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W.L.M. KING PAPERS

Memoranda and Notes

1940-1950

MG 26 J 4 Volume 262

Pages C178714-C179500

W.L.M. King Papers, Memoranda and Notes, 1940-1950,
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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 3.

Ottawa, 14th September 1940.

Summary of Information Respecting Departmental Activities

SUMMARY NO. 45

(For Week ending 14th September)

Naval Services

1. Personnel

Mobilised strength of R.C.N. and Reserve Forces as at September 12th, 1940.

(Figures in brackets are those of previous report)

	Officers	Ratings	TOTAL
R.C.N.	253 (252)	2341 (2337)	2594 (2589)
R.C.N.R.	441 (433)	2288 (2268)	2729 (2701)
R.C.N.V.R.	719 (706)	4871 (4756)	5590 (5462)
TOTAL.....	1413 (1391)	9500 (9361)	10913 (10752)

Recruiting Activities from September 5, 1940 to September 12, 1940.

	Officers	Ratings	TOTAL
R.C.N.	-	7	7
R.C.N.R.	8	24	32
R.C.N.V.R.	18	150	168
	26	181	207

2. Casualties

Robert Huot, Leading Cook (O), R.C.N. O.N. 40443, was killed as a result of an air raid on September 6th, 1940.

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3. Operations

(a) Ships

At Halifax

Departures

(i) H.M.S. "AUSONIA" for Bermuda. 7.9.40

(ii) H.M.S. "JERVIS BAY" with Convoy HX 72. H.M.C.S. "SAGUENAY" was local escort. 9.9.40

(iii) H.M.S. "LACONIA" for Bermuda. 11.9.40

Arrivals

(iv) United States Destroyers "RUSSELL", "WILKES" and "HERNDON". 5.9.40

(v) United States Destroyers "WELBORN C. WOOD", "CROWNINSHIELD", "BUCHANAN","HALE", "AARON WARD", "ABEL P. UPSHUR" and the United States Destroyer Tender "DENEBOLA". 6.9.40

(vi) H.M.C.S. "ASSINIBOINE" from escort duty with HX 71. 6.9.40

(vii) H.M.S. "LACONIA" from ocean escort duties. 7.9.40

(viii) H.M.S."JERVIS BAY" from St. John, N.B. 7.9.40

(ix) H.M.C.S. "SAGUENAY" from local escort duties with Convoy HX 71. 7.9.40

(x) H.M.S. "MONTCLARE" from escort duties with Convoy HX 70. 7.9.40

(xi) H.M.C.S. "ELK" from Pictou. 8.9.40

(xii) H.M.S. "AURANIA" from escort duty with Convoy HX 68. 11.9.40

(xiii) H.M.C.S. "SAGUENAY" from local escort duty with Convoy HX 72. 11.9.40

.....

(xiv) H.M.C.S. "MOOSE" sailed from Quebec for Halifax on September 9th, 1940.

(xv) H.M.C.S. "OTTAWA" arrived at Liverpool, England, on September 10th. The vessel is replacing H.M.C.S. "RESTIGOUCHE", which arrived in Halifax on September 5th for refit.

(xvi) H.M.S. "RAJPUTANA" arrived at St. John, N.B., on September 12th.

(xvii) H.M.C.S. "PRINCE ROBERT" sailed from Esquimalt September 12th on special patrol duties on the West Coast. Final adjustments to her machinery and equipment were completed during the week.

(xvii) H.M.C.S. "ELK" sailed from Pictou, N.S., on September 7th for Halifax.

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(b) Convoy

(i) On the 4th and 5th September, respectively, the Bermuda (11), and Halifax (11) and the Sydney (12) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "RANPURA". The 34 Ships consisted of 24 British, 4 Norwegian, 3 Dutch, 1 Polish, 1 French and 1 Swedish, all of which were bound for the United Kingdom. (This is the convoy mentioned in last week's report, at the time of the compilation of which exact details were not available.) 4.9.40

(ii) On the 8th and 9th September, respectively, the Bermuda (15), the Halifax (21) and the Sydney (11) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "VOLTAIRE". The combined convoy sailed under the ocean escort of H.M.S. "JERVIS BAY". The 47 ships consisted of 37 British, 5 Norwegian, 2 Polish, 2 Greek and 1 Dutch, all of which were bound for the United Kingdom, with the exception of 1 Polish vessel, which was travelling to Eire. 8.9.40

(iii) On the 10th September, a convoy under the ocean escort of H.M.S. "DEPTFORD" left Sydney. The 32 ships consisted of 16 Norwegian, 10 British, 2 Polish, 2 Swedish, 1 Dutch and 1 Greek, all of which were bound for the United Kingdom. 10.9.40

(iv) There were 6 independent trans-ocean sailings during the week, one from the Atlantic Coast and 5 from the Pacific Coast.

(4) Works

(a) A total of 104 ships were inspected at D.E.M.S. ports throughout Canada during the week. These inspections were carried out at the following ports: 43 at Sydney, 32 at Halifax, 26 at Montreal, 2 at St. John and 1 at Quebec. Returns from the West Coast were not available at the time this report was compiled.

(b) The Norwegian Motor Vessel "BRAKAR" has been armed with a 4 in. Breach Loading equipment on the West Coast and the "CAPE HORN" is in hand for the installation of similar equipment.

(c) The Norwegian Ship "HARDANGER" is being stiffened at Halifax for the installation of 4 in. D.E.M.S. Equipment, and the vessel has been provided with a Thompson machine gun to enable her to sail in convoy.

(d) The "OSRIO" (Dutch) has been provided with bridge protection at Sydney.

(e) The British Ship "KAIPARA" is being provided with complete D.E.M.S. paravane equipment at Montreal.

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(f) The "QUEBEC CITY" and the "QUEEN CITY" are in hand at Montreal for the erection of bridge protection as a defence against anti-aircraft attack.

(g) Ninety-four vessels were inspected for defects in their degaussing gear during the week, 91 of which were found to be satisfactory, 2 in need of repairs and 1 to have been wiped overseas.

(h) Twelve ships are now in hand in Canadian ports for the installation of degaussing gear, the work on 6 of which has already been completed.

(i) The repair work on the degaussing gear of 12 vessels was virtually completed last week. One ship was provided with a dynamo for degaussing purposes.

(j) No reports of degaussing activities in United States had been received at N.S.H.Q. at the time this report was being compiled.

(k) Work on the conversion of H.M.C.S. "MOOSE" to an auxiliary patrol vessel was completed September 9th, one day ahead of the anticipated completion date. The work, which cost an estimated $20,000, began on June 28th, 1940.

(l) Listed herewith are new developments in connection with the works projects at Halifax, mentioned in last week's report:

(1) Plans for the gunnery school are expected within 10 days; the estimated cost of the project has been placed at $350,000.

(2) It is doubtful whether work on the R.C.N. Barracks Boathouse and the Lay Apart Store can be proceeded with as the proposed sites in both cases are already in use for naval purposes.

(3) Work on the Works Department Building cannot be started until the Ordnance and Gun Mounting Store is completed.

(4) Work on the Motor Repair Shop cannot get under-way until the Central Store and General Store are completed.

At Esquimalt:

(1) Due to pressure of urgent work, plans for the construction of a new Torpedo Storage Building are temporarily being set aside.

(2) Plans for the construction of a wharf at Comox Rifle Range, a walkway and a crane were approved September 9th.

(Both projects were mentioned in last week's report)

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5. Stores

The equipment purchased by Naval Stores amounted this week to $70,339.50.

6. General

(a) H.M.S. "DIANA" was commissioned as H.M.C.S. "MARGAREE" on September 6th. Commander J.W.R. Roy, R.C.N., is Commanding Officer.

(b) Twenty Allied and British ships have been supplied with Thompson machine guns during the past 10 days for defence against enemy aircraft.

(c) Signals have been exchanged with the Admiralty and New York regarding the degaussing and arming of the Dutch ship "NIEUW AMSTERDAM" at Halifax.

(d) Some delay has been occasioned to the degaussing of D.E.M. ships owing to the installation of the degaussing gear in the former United States destroyers. Work on eight of these vessels was completed in four working days at Halifax.

(e) There were no launchings of corvettes or minesweepers during the week.

(f) Herewith is presented a revised list of names that have been allocated to corvettes and minesweepers now being built for the Royal Canadian Navy, together with the vessel number and shipyard.

Corvettes

	P.V. No.	Builders	Name
	1	St. John Dry Dock and Shipbuilding Co.	AMHERST
	2	" " " "	DALHOUSIE
	3	" " " "	CAMPBELLTON
	4	Morton Engineer & Dry Dock	MATAPEDIA
	5	" " " "	ARVIDA
	6	" " " "	SUMMERSIDE
	7	" " " "	LOUISBURG
	8	Davie Shipbuilding Co. "	(Admiralty Vessel)
	9	" " "	(" ")
	10	" " "	(" ")
	11	" " "	(" ")
	12	" " "	RIMOUSKI
	13	" " "	PICTOU
	14	" " "	BADDECK
	15	" " "	BATHURST
	16	" " "	SHEDIAC
	17	" " "	BRANDON
x	18	Geo. T. Davie and Sons	LEVIS
	19	" " "	SHAWINIGAN
	20	" " "	LUNENBURG
	21	Marine Industries Ltd.	(Admiralty Vessel)
	22	" " "	(" ")
	23	" " "	(" ")

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24	Marine Industries Ltd.		SHERBROOKE
25	"	"	DUNVEGAN
26	"	"	SOREL
27	"	"	CAMROSE
28	Canadian Vickers, Ltd.		(Admiralty Vessel)
29	"	"	" "
30	"	"	" "
x 31	"	"	CHAMBLY
32	"	"	CHICOUTIMI
33	"	"	DAUPHIN
34	"	"	SASKATOON
35	"	"	LETHBRIDGE
x 36	Kingston Shipbuilding Co.		NAPANEE
37	"	"	PRESCOTT
38	"	"	SUDBURY
x 39	Collingwood Shipyards Ltd.		COLLINGWOOD
40	"	"	ORILLIA
41	"	"	BARRIE
42	"	"	GALT
43	"	"	CHURCHILL
44	"	"	BATTLEFORD
45	"	"	DRUMHELLER
46	"	"	THE PAS
x 47	Port Arthur Shipbuilding Co.		COBALT
x 48	" "	"	KENOGAMI
49	" "	"	ALGOMA
50	" "	"	ROSTHERN
51	" "	"	MORDEN
52	" "	"	CARLTON
53	" "	"	SELKIRK
54	" "	"	WEYBURN
x 55	Burrard Dry Dock Company		BANFF
x 56	" "	"	AGASSIZ
57	" "	"	CHILLIWACK
58	" "	"	TRAIL
x 59	Victoria Machinery Depot		JASPER
60	"	"	QUESNEL
61	"	"	DAWSON
x 62	Yarrows Limited		ALBERNI
63	"	"	NANAIMO
64	"	"	EDMUNDSTON

MINESWEEPERS

M/S No.	Builders	Name
x 1	North Van Ship Repairs	COWICHAN
x 2	" " "	MALPEQUE
3	" " "	UNGAVA
4	" " "	MAHONE
5	" " "	CHIGNECTO
6	" " "	OUTARDE
7	Burrard Dry Dock Company	WASAGA
8	" " "	MINAS
9	" " "	QUINTE
10	" " "	CHEDABUCTO
11	" " "	MIRAMICHI
12	" " "	BELLECHASSE
13	Prince Rupert Dry Dock & Shipyards	ESPERANZA
14	" " "	QUATSINO
15	Dufferin Shipbuilding Co.	NIPIGON
16	" " "	BURLINGTON
17	" " "	GEORGIAN
18	" " "	THUNDER

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x Recapitulation of corvette and minesweeper launchings in Canada as of Thursday, September 12th, 1940.

CORVETTES

	Name of Vessel	Where Launched	Date
56	"AGASSIZ"	Vancouver, B.C.	August 15th, 1940
62	"ALBERNI"	Esquimalt, B.C.	August 22nd, 1940
55	"BANFF"	Vancouver, B.C.	July 18th, 1940
31	"CHAMBLY"	Montreal, P.Q.	July 29th, 1940
47	"COBALT"	Port Arthur, Ont.	August 17th, 1940
39	"COLLINGWOOD"	Collingwood, Ont.	July 27th, 1940
59	"JASPER"	Esquimalt B.C.	August 7th, 1940
48	"KENOGAMI"	Port Arthur, Ont.	September 5th, 1940
36	"NAPANEE"	Kingston, Ontario	August 31st, 1940
18	"LEVIS"	Lauzon, P.Q.	September 4th, 1940

MINESWEEPERS

1	"COWICHAN"	Vancouver, B.C.	August 9th, 1940
2	"MALPEQUE"	Vancouver, B.C.	September 5th, 1940

Chiefs of Staff Committee
September 14th, 1940.

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S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 3

Ottawa, 21st September, 1940

Summary of Information respecting Departmental activities.

SUMMARY NO. 46

(For Week ending 21st September)

Naval Services

1. Personnel.

The mobilized strength of the Royal Canadian Navy and Reserve Forces as at September 19th, 1940

(Figures in brackets are those of previous report)

	Officers		Ratings		TOTAL	
R.C.N.	253	(253)	2349	(2341)	2602	(2594)
R.C.N.R.	450	(441)	2383	(2288)	2833	(2729)
R.C.N.V.R.	762	(719)	5000	(4871)	5762	(5590)
TOTAL.....	1465	(1413)	9732	(9500)	11197	(10913)

Recruiting Activities from September 12, 1940, to September 19, 1940

	Officers	Ratings	TOTAL
R.C.N.	1	10	11
R.C.N.R.	9	99	108
R.C.N.V.R.	43	154	197
	53	263	316

2. Casualties

Frederick S. Ker, Act. Sub. Lieut. - Killed in action.
Peter D. Hincks, Act. Sub. Lieut. - Missing, Believed killed in action.

Both were serving in H.M.S. "GODETIA".

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3. Operations

(a) Ships -

At Halifax:

Departures

(i) Cable Ship "CYRUS FIELD". 12.9.40

(ii) H.M.S. "ASCANIA" with Convoy HX 73. H.M.C.S. "ASSINIBOINE" was local escort. 13.9.40

(iii) Cable Ship "JOHN W. MACKAY" southbound. 13.9.40

(iv) H.M.S. "MONTCLARE" with Convoy HX 74. H.M.C.S. "ASSINIBOINE" was local escort. 18.9.40.

(v) H.M.C.S. "CORTICELLI" for Bermuda for conversion to a coil skid sweeper. 18.9.40.

Arrivals

(vi) H.M.C.S. "MOOSE" from Quebec. 12.9.40.

(vii) H.M.C.S. "PUGWASH" from Pictou. 14.9.40.

(viii) H.M.S. "ALAUNIA" from ocean escort duties. 14.9.40.

(ix) H.M.C.S. "ASSINIBOINE" from escort duties. 15.9.40

(x) H.M.S. "LACONIA" from Bermuda escort duties. 16.9.40.

(xi) H.M.C.S. "ASSINIBOINE". 19.9.40

.....

(xii) H.M.S. "FOLKSTONE" arrived Sydney for convoy excort duties on September 12th, 1940.

(xiii) H.M.C.S. "GANNEFF" arrived Bermuda on September 12th, 1940, for conversion to a coil skid sweeper.

(xiv) H.M.C.S. "OTTAWA", H.M.C.S. "SKEENA" and H.M.C.S. "ST. LAURENT" are now undertaking escort duties in the Western Approaches.

(b) Convoys -

On the 12th and 13th September, respectively, the Bermuda (12), the Halifax (17) and the Sydney (15) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section,

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until junction with the Halifax Section, was under the escort of H.M.S. "AUSONIA". The combined convoy sailed under the ocean escort of H.M.S. "ASCANIA". The 44 ships consisted of 29 British, 5 Norwegian, 4 Dutch, 3 Greek, 1 Swedish, 1 Belgian and 1 Polish, all but two of which were bound for the United Kingdom. One British and 1 Greek vessel were travelling to Eire. 12.9.40

(ii) On the 17th September the Halifax (21) and the Sydney (12) Sections of a Convoy left their assembly ports to effect junction at sea. The combined convoy sailed under the ocean escort of H.M.S. "MONTCLARE". The 33 ships consisted of 24 British, 5 Norwegian, 2 Dutch, 1 Egyptian and 1 Greek, all of which were bound for the United Kingdom. There was no Bermuda Section to this convoy. Because of a threatened hurricane, all ships were diverted to Halifax. 17.9.40

(iii) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific.

4. Works.

(a) A total of 103 ships were inspected at D.E.M.S. ports throughout Canada during the week. These inspections were carried out at the following ports: 42 at Sydney, 26 at Halifax, 22 at Montreal, 8 at Esquimalt and 5 at Saint John.

(b) The Dutch vessel "NIEUW AMSTERDAM" is being stiffened for the installation of defensive armament and the erection of bridge protection at Halifax. The provision of a 4-in. gun for this ship exhausts the supply in Canada of this type of weapon for merchant ships, but more (32) 4-in. guns are expected in the near future.

(c) The Norwegian vessels "RISANGER", "MURENA" and "EGDA" have refused to sail without armament. They have been taken in hand for stiffening at Halifax and will await the arrival of the new equipment.

(d) Twenty vessels were provided with Thompson machine guns during the week for defence against attack by enemy aircraft. It is expected that the stock of high angle machine guns will be replenished in the near future.

(e) Sixty-nine vessels were inspected for defects in their degaussing gear during the week. Of these 64 were found to be satisfactory, 3 in need of repairs, 1 unsatisfactory and 1 to have been wiped.

(f) Seventeen vessels are no in hand in Canadian ports, either for the installation of degaussing gear or for repairs to their present equipment.

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(g) The British Ministry of Shipping in New York reports that in the United States last week the installation of degaussing gear in 3 vessels was completed and that 6 vessels were in hand for repairs to their gear.

(h) Eleven ships are expected shortly for fitting with degaussing gear in American ports. Some of these are already in hand.

(i) Minor repairs to H.M.S. "ASCANIA", H.M.S. "AUSONIA" and H.M.S. "RANPURA" were carried out last week at Halifax Dockyard under instructions from the Admiralty.

(j) An investigation is being made in an attempt to reduce the cost of the construction of the Central Store at Halifax. Currently, the cost is set at $265,777.

(k) Two motor vessels "GANNEFF" and "CORTICELLI" have been requisitioned for the Commander-in-Chief, American and West Indies Station, and will be converted to coil skid sweepers. (See "SHIPS" above).

(l) The refit of H.M.C.S. "MARGAREE" has been considerably delayed owing to the lack of power, etc., occasioned by air raids. A definite completion date for the work cannot yet be set.

(m) Two vessels, "LOOS" and "CHEDABUCTO" are being inspected and appraised with a view to requisitioning them as Gate Vessels.

(n) The Department of Transport vessel "DRUID" will be taken over about October 15th and will be used as a boom working vessel. Barge No. 6 at Sorel is also being considered for similar work.

(o) H. M. C. S. "COUGAR" was commissioned on September 11th. Work on the conversion of the ship to an Auxiliary Patrol vessel was completed on August 27th last.

5. Stores

The equipment purchased by the Naval Stores amounted this week to $150,995.

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6. GENERAL

(a) The first flotilla of United States Destroyers, with the exception of the HERNDON and the WOOD, sailed from St. John's, Nfld., for the United Kingdom on September 18th, 1940. The HERNDON and WOOD were in collision with the result that the former will be delayed a week and the latter a month while repairs to them are carried out.

(b) This Flotilla is known as the "Town" Flotilla because the vessels in it are to be named after Towns.

(c) A list of the new names and Commanding Officers of the 6 United States Destroyers for the Royal Canadian Navy follows:

Old Name	New Name	Commanding Officer
"MACKENZIE"	H.M.C.S. "ANNAPOLIS"	Act. Cdr. C.D. Donald, R.C.N.
"HARADEN"	H.M.C.S. "COLUMBIA"	Lt. Cdr. S.W. Davis, R.C.N.
"THATCHER"	H.M.C.S. "NIAGARA"	Lt. Cdr. E.L. Armstrong, R.C.N.
"WILLIAMS"	H.M.C.S. "ST. CLAIR"	Lt. Cdr. D.C. Wallace, R.C.N.R.
"McCOOK"	H.M.C.S. "ST. CROIX"	Lt. M.A. Medland, R.C.N.
"BANCROFT"	H.M.C.S. "ST. FRANCIS"	Lt. Cdr. H.F. Pullen, R.C.N.

These ships, due to arrive in Halifax on September 20th, 1940, will be manned by Canadian crews. The complement in each case is approximately 140 officers and men.

(d) On the 2nd October a Royal Canadian Naval Volunteer Reserve draft of 600 seamen ratings and 100 stoker ratings will proceed to the Royal Canadian Naval Barracks at Halifax for training. These ratings have been selected from the various Divisions throughout the Dominion and it will be the largest single draft made since the outbreak of hostilities.

(e) A draft of 100 new entry seamen reported at the Esquimalt Barracks last week.

(f) Recruiting of special classes of ratings -- Electrical Artificers, Sick Berth Attendants, Probationary Officer's Stewards, etc. -- is continuing. A small draft of about 10 each are expected to report to R.C.N. Barracks at both Halifax and Esquimalt during next week.

(g) Two more corvettes were launched last week, one at Collingwood -- H.M.C.S. "ORILLIA" -- and one at Quebec City -- H.M.C.S. "MATAPEDIA". This brings to 12 the number of corvettes launched to date.

Chiefs of Staff Committee,
September 21, 1940.

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S E C R E T

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3

Ottawa, 28th September, 1940

Summary of Information respecting Departmental activities.

SUMMARY NO. 47

(For Week Ending 28th September)

NAVAL SERVICES

1. Personnel

Mobilised strength of R.C.N. and Reserve Forces as at September 26th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	254	2494	2748
R.C.N.R.	459	2442	2901
R.C.N.V.R.	810	5254	6064
TOTAL.....	1523	10190	11713

TOTAL for Previous Week - 11197

Recruiting Activities from September 19, 1940, to September 26, 1940.

	Officers	Ratings	TOTAL
R.C.N.	1	145	146
R.C.N.R.	9	59	68
R.C.N.V.R.	48	254	302
TOTAL.....	58	458	516

2. Casualties

James Moorman, Signaller, O.N. V6385, suffered amputation of a leg at the Antigonish Hospital as a result of an accident while on active service.

3. Operations

Ships

At Halifax: DEPARTURES

(1) H.M.C.S. "ELK" for Sydney. 19.9.40

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(ii) H.M.S. "ALAUNIA" for Bermuda. 20.9.40

(iii) H.M.S. "AURANIA" with convoy HX 75. H.M.C.S. "SAGUENAY" and H.M.C.S. "ASSINIBOINE" were local escort. 21.9.40.

(iv) H.M.C.S. "MARLIS" for Pictou. 23.9.40.

(v) Cable ship "CAMBRIA". 25.9.40.

ARRIVALS

(vi) H.M.S. "AUSONIA" and H.M.C.S. "ASSINIBOINE". 19.9.40.

(vii) Cable ship "CYRUS FIELD". 20.9.40

(viii) H.M.S. "RANPURA". 22.9.40

(ix) H.M.C.S. "SAGUENAY" and H.M.C.S. "ASSINIBOINE" from local escort duties. 23.9.40.

(x) Dutch Submarine O-14 from Bermuda. 25.9.40.

.....

(xi) H.M.S. "FOLKESTONE" sailed from Sydney, escorting Slow Convoy No. 5. 19.9.40

(xii) H.M.C.S. "ELK" arrived Sydney. 20.9.40.

(xiii) H.M.C.S. "CORTICELLI" arrived Bermuda. 21.9.40

(xiv) H.M.S. "ENCHANTRESS" arrived Sydney for Slow Convoy duty. 21.9.40.

(xv) H.M.C.S. "PRINCE ROBERT" is proceeding to Esquimalt after the capture of the German ship "WESER" on September 26th off Manzanillo, Mexico.

CONVOYS.

On September 19th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "FOLKESTONE". The 43 vessels composing the convoy consisted of 16 British, 2 Polish, 3 Dutch, 14 Norwegian, 7 Greek and 1 Panamanian. All but one were bound for the United Kingdom; one Panamanian was heading for Eire. 19.9.40.

On the 20th and 21st September, respectively, the Bermuda (17), the Halifax (34) and the Sydney (12) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "VOLTAIRE". The combined convoy sailed under the ocean escort of H.M.S. "AURANIA". The 61 ships consisted of 43 British, 5 Swedish, 6 Norwegian, 4 Dutch, and 3 Greek, all of which were bound for the United Kingdom. 20.9.40

There were 2 independent trans-ocean sailings during the week, one from each coast.

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4. Works

(a) A total of 99 D.E.M.S. inspections were carried out during the week at the following ports: 44 at Sydney, 30 at Halifax, 19 at Montreal, 3 at St. John and 3 at Quebec.

(b) The supply of Thompson guns for anti-aircraft defence has been exhausted and Lewis guns again are being issued together with gunners. No notification has been received regarding the 32 4-in. B.L. guns which the Admiralty advised were being shipped to Canada during the first week in September and the stock of this class of weapon is now exhausted. The demand, however, is more for anti-aircraft protection. Moreover, a supply of 200 Smith and Wesson guns for this purpose is expected this week from the U.S.

(c) The S.S. "MURENA", of Dutch registry, is being stiffened and armed at Halifax. She will be provided with Lewis guns and a 4-in. B.L. gun.

(d) The degaussing equipment of 95 ships was inspected during the week. Eighty-nine were reported as satisfactory. Repairs were made to the remaining 6.

(e) Instructions have been received from the Admiralty to install degaussing coils in conduits between decks. This is to apply to all merchant ships other than tankers, in the case of new installations and complete renewals. It is expected, however, that two weeks will elapse before this can be made owing to the necessity of arranging specifications and material. It has not been possible to complete the degaussing range at Halifax owing to the non-arrival of instruments from England.

(f) Minor repairs to H.M.S. "MONTCLARE", H.M.S. "ASCANIA" and H.M.S. "LACONIA" were carried out during the week at H.M.C. Dockyard, Halifax, according to British Admiralty requirements.

(g) H.M.C.S. "SANKATY" which was requisitioned to be converted into a looplayer is now ready for service. The work, which was commenced on the 8th July, 1940, was completed on the 24th September, 1940 one day after the anticipated date, at a cost of $32,636.

(h) The Tug "ST. ANNE" has been requisitioned for use in Halifax Harbour. She had previously been employed by the Naval Service during the winter months but had beenreleased to the owners for the summer months.

(i) H.M.C.S. "ASSINIBOINE" was docked September 25th for examination of Asdic Dome.

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5. General

(a) The six newly acquired destroyers, H.M.C.S. "ANNAPOLIS", H.M.C.S. "COLUMBIA", H.M.C.S. "NIAGARA", H.M.C.S. "ST. CLAIR", H.M.C.S. "ST. CROIX" and H.M.C.S. "ST. FRANCIS", will commence working-up exercises at Shelburne, October 1st, for ten days.

(b) Sometime during the evening of 25th September, H.M.C.S. "PRINCE ROBERT" captured the German merchant ship "WESER"(9,179 gross tons and 17 knots) 4½ miles off the port of Manzanillo, Mexico.

(c) Typhoid infection of drinking water has been found in four vessels from Baltimore and three from Norfolk on their arrival at Halifax for convoy. Necessary steps to rectify this are now being taken through Consular Shipping Advisers in the U.S.A.

(d) Two corvettes, H.M.C.S. "CHILLIWACK" and H.M.C.S. "ARVIDA", were successfully launched on Saturday, September 21st, 1940, at Burrard Drydock Company, North Vancouver, B.C., and at the Morton Engineering Company, Quebec City, P.Q., respectively. Her Royal Highness Princess Alice sponsored the launching of H.M.C.S. "ARVIDA".

Chiefs of Staff Committee,
September 28th, 1940.

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S E C R E T

COPY NO. /

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3

Ottawa, 5th October, 1940.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 48

(For Week Ending 5th October)

NAVAL SERVICES

1. Personnel

(a) Mobilised strength of R.C.N. and Reserve Forces as at October 3rd, 1940.

	Officers	Ratings	TOTAL
R.C.N.	254	2508	2762
R.C.N.R.	463	2516	2979
R.C.N.V.R.	819	5783	6602
TOTAL.....	1536	10807	12343

Increase - 558

(b) Recruiting Activities from September 26th, 1940, to October 3rd, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	15	15
R.C.N.R.	5	86	91
R.C.N.V.R.	12	466	478
TOTAL	17	567	584

Discharges

(a) Medically Unfit	8
(b) Other Reasons	17
TOTAL	26

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
69	894	963

2. Casualties

A.W. Proctor, Acting Sub-Lieutenant, is listed as missing, believed killed in action.

3. Operations

Ships

At Halifax:

Departures

(i) H.M.S. "AUSONIA" with Convoy HX 76. H.M.C.S. "SAGUENAY" was local escort. 26.9.40

(ii) H.M.S. "RANPURA" with Convoy HX 77. H.M.C.S. "SAGUENAY" and H.M.C.S. "ASSINIBOINE" were local escorts. 30.9.40

Arrivals

(iii) H.M.S. "JERVIS BAY". 26.9.40

(iv) H.M.C.S. "SAGUENAY" from local escort duties. 28.9.40.

(v) Cable Ship "CYRUS FIELD". 29.9.40.

(vi) H.M.C.S. "OTTER" and H.M.C.S. "VISON" from Pictou. 2.10.40

(vii) H.M.C.S. "SAGUENAY" and H.M.C.S. "ASSINIBOINE" from local escort duties. 2.10.40.

.....

(viii) H.M.S. "ENCHANTRESS" sailed from Sydney as escort to Convoy SC 6. 27.9.40.

(ix) H.M.S. "SCARBOROUGH" arrived Sydney. 29.9.40.

Five former United States Destroyers, now units of the Royal Canadian Navy, arrived at Shelburne, N.S., on October 1st, 1940, to carry out various training functions. The 5 destroyers were H.M.C.S. "ANNAPOLIS", H.M.C.S. "COLUMBIA", H.M.C.S. "NIAGARA", H.M.C.S. "ST. CROIX" and H.M.C.S. "ST. FRANCIS". Two days later on October 3rd the sixth vessel, H.M.C.S. "ST. CLAIR" left Halifax to join her sister ships. On their return to Halifax they will be taken in hand in groups of 2 for necessary repairs.

Convoys

On the 24th, 26th and 27th September, respectively, the Bermuda (10, the Halifax (17) and the Sydney (12) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S.

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(ii) "ALAUNIA". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 39 ships consisted of 28 British, 6 Norwegian, 2 Dutch, 1 Belgian, 1 Polish and 1 Greek, all of which were bound for the United Kingdom. 24.9.40

(ii) On September 27th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "ENCHANTRESS". The 39 vessels in the convoy consisted of 22 British, 6 Norwegian, 3 Greek, 3 Estonian, 2 Polish, 2 Swedish and 1 Dutch, all of which were bound for the United Kingdom with the exception of 1 Estonian vessel which was travelling to Eire. 27.9.40.

(iii) On the 28th and 30th September, and the 1st October, respectively, the Bermuda (14), the Halifax (14) and the Sydney (12) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "LACONIA". The combined convoy sailed under the ocean escort of H.M.S. "RANPURA". The 40 ships consisted of 27 British, 6 Norwegian, 3 Greek, 2 Dutch, 1 Swedish and 1 Polish, all of which were bound for the United Kingdom. 28.9.40.

(iv) The only independent trans-ocean sailing during the week was made from the Atlantic Coast.

IV. Works

(a) A total of 128 D.E.M.S. inspections were carried out during the week at the following ports: 52 at Halifax, 41 at Sydney, 22 at Montreal, 6 at both Quebec and Esquimalt, and 1 at St. John.

(b) The 32 4-in. Breach Loading guns and mountings being shipped to Canada from the United Kingdom and to which reference was made in a recent report have begun to arrive in Halifax. A number of the guns have already been delivered but as yet the mountings have not arrived.

(c) S.S. "LEOPOLDVILLE" is being armed with a 4-in. Breach Loading gun which has been transferred from the C.N.S. "LADY SOMERS". (This vessel was requisitioned at Montreal on October 2nd, 1940 on behalf of the British Admiralty and will be converted into an armed ocean boarding vessel; it will be sailed for the United Kingdom when completed.)

(d) S.S. "IDESJORD" has been equipped with a 4-in. Breach Loading gun at Montreal.

(e) The degaussing equipment of 126 ships was inspected during the week. One hundred and seventeen were reported as satisfactory; repairs were made to the remaining nine.

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(f) The Construction of the Harbour Defence Building at Halifax was completed on September 30th, 1940 at an estimated cost of $89,000.00. Work on this project was begun on August 2nd, 1940.

(g) The construction of #5 Wharf at Halifax has been virtually completed and is now in use. There are still a few minor items to be finished. The project was begun on April 25th, 1940, and its contract price was $64,938.00.

(h) The Administration Building at Sydney has been completed and is now being used by the Naval Service. This project which began on the 27th May, 1940, cost $47,500.00.

(i) H.M.C.S. "EILEEN" of the St. Lawrence River Patrol has not proved to be a satisfactory vessel. She is being sailed for Halifax as soon as possible and will be released to her owner, Peter R. Jack, Esq., on completion of necessary repairs.

(j) The tug "ST. ANNE" has been requisitioned for delivery to C.O.A.C. about October 15th, 1940. She will be employed for towing targets and general harbour duties.

(k) H.M.C.S. "PRINCE ROBERT" is due to arrive at Esquimalt late on Friday, October 4th, 1940, tetether with the captured German ship "WESER". She will be sailed as soon as possible to continue her patrol duties off the West Coast of South and Central America.

V. Stores

The equipment purchased by the Naval Stores amounted this week to $131,478.00.

VI. General

(a) The Netherlands ship "STAD SCHIEDAM" loaded sulphur at Port Sulphur, La., and sailed for the United Kingdom via Sydney, C.B. The vessel called at Bermuda on September 13th and two days later was destroyed by internal explosions believed to have been caused by time bombs. Twenty of the crew were killed and 12 survived.

(b) The German ship "ARAUCA" is expected to sail from Fort Lauderdale, Fla., in the near future.

(c) Seven more vessels have arrived at convoy assembly ports with typhoid infection of drinking water. This makes a total of 14 vessels so infected, all of which have taken on water at Norfolk, Va., or Baltimore, Md. U.S. officials are investigating the situation.

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(d) The September report of traffic handled by the Ottawa Naval W/T Station is as follows:

IN Messages	2,708
OUT Messages	2,753
T O T A L	5,461

Increase over previous month 529

Number of 5-figure groups 300,593.

This number is 37,417 more than the previous record month of June, 1940.

(e) Another minesweeper H.M.C.S. "NIPIGON" was successfully launched on Monday, September 30th, 1940, at the Dufferin Shipbuilding Company, Toronto; it was the third minesweeper launched under the present shipbuilding programme.

Chiefs of Staff Committee, (

5th October 1940.

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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Vol. 3.

Ottawa, 12th October 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 49

(For Week Ending 12th October)

Naval Services

1. Personnel

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 10th, 1940.

	Officers	Ratings	Total
R. C. N.	254	2521	2775
R. C. N. R.	469	2543	3012
R. C. N. V. R.	838	5949	6787
T O T A L	1561	11013	12574
Increase			231

(b) Recruiting Activities from October 3rd, 1940, to October 10th, 1940.

	Officers	Ratings	Total
R. C. N.	-	15	15
R. C. N. R.	9	36	45
R. C. N. V. R.	19	183	202
T O T A L	28	234	262

DISCHARGES

(a) Medically Unfit	13
(b) Other Reasons	18
T O T A L	31

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	Total
72	924	996

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2. Casualties.

(a) Malcolm MacAulay, Skipper, R.C.N.R., died September 28th, 1940, as a result of a fall from ship to dock.

(b) J.A.E. Dompierre, Ordinary Seaman, R.C.N.V.R., was killed accidentally at home on September 26th, 1940.

3. Operations.

(a) Ships -

At Halifax:

Departures

(i) H.M.S. "JERVIS BAY" with Convoy HX 78. H.M.C.S. "ASSINIBOINE" was local escort. 4.10.40

(ii) H.M.S. "ASCANIA" for Bermuda. 5.10.40

(iii) H.M.C.S. "ASSINIBOINE" for Shelburne. 7.10.40

(iv) H.M.S. "MONTCLARE" and Netherlands Submarine Ø-14 with Convoy HX 79. H.M.C.S. "SAGUENAY" was local escort. 8.10.40

Arrivals

(v) H.M.S. "MONTCLARE". 4.10.40

(vi) H.M.S. "LACONIA". 5.10.40

(vii) H.M.C.S. "ASSINIBOINE" from local escort duty with Convoy HX 78. 6.10.40

(viii) H.M.S. "VOLTAIRE" and H.M.S. "AURANIA". 9.10.40

.....

(ix) H.M.C.S. "ST. CLAIR" arrived Shelburne. 3.10.40

(x) H.M.C.S. "ASSINIBOINE" arrived Shelburne from Halifax. 7.10.40

(xi) H.M.S. "SCARBOROUGH" sailed from Sydney as escort to Convoy SC 7. 5.10.40

(xii) H.M.C.S. "ADVERSUS" sailed from Mulgrave for Halifax. 6.10.40

(xiii) H.M.S. "SANDWICH" arrived Sydney for escort duties with Convoy SC 8. 11.10.40

(xiv) H.M.C.S. "ANNAPOLIS", H.M.C.S. "COLUMBIA", H.M.C.S. "NIAGARA", H.M.C.S. "ST. CROIX", H.M.C.S. "ST. FRANCIS" and H.M.C.S. "ST. CLAIR" sailed from Shelburne for their training voyage and trials. 4.10.40

(b) Convoys -

On the 2nd, 4th and 5th October, respectively, the Bermuda (7), the Halifax (13) and the Sydney (15) Sections of a convoy left their assembly ports

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to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "VOLTAIRE". The combined convoy sailed under the ocean escort of H.M.S. "JERVIS BAY". The 35 ships consisted of 30 British, 2 Dutch, 1 Norwegian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. 2.10.40

(ii) On October 5th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "SCARBOROUGH". The 35 vessels in the convoy consisted of 20 British, 6 Norwegian, 4 Greek, 3 Swedish and 2 Dutch, all of which were bound for the United Kingdom with the exception of 1 Greek vessel, which was travelling to Eire. 5.10.40

(iii) On the 6th and 8th October, respectively, the Bermuda (9), the Halifax (20) and the Sydney (22) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "ALAUNIA" and the Netherlands Submarine O-14. The combined convoy sailed under the ocean escort of H.M.S. "MONTCLARE". The 51 ships consisted of 34 British, 7 Swedish, 7 Norwegian, 2 Dutch and 1 Greek, all of which were bound for the United Kingdom. 6.10.40.

(iv) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works.

(a) A total of 109 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (51), Halifax (29), Montreal (21), Esquimalt (6) and Saint John (2).

(b) Tenders have been called for the stiffening and installation of Bridge Protection in the S.S. "WESER", the vessel recently captured by H.M.C.S. "PRINCE ROBERT" off the Mexican Coast and now at Esquimalt, B.C.

(c) Eight complete 4-in. Breech Loading guns have arrived in Halifax, 4 of which are being sent to Esquimalt. It is expected that the remaining 24 of the 32 on order will continue to arrive almost daily.

(d) The S.S. "TENERIFFA" and the S.S. "TACHEE" have been taken in hand at Halifax and Sydney, respectively, for stiffening and the installation of a 4-in. Breech Loading gun.

(e) Work on the installation of D.E.M.S. equipment in the Canadian prize ship "CAPO NOLI" has been completed at Quebec.

(f) The Smith and Wesson guns which were being supplied to defensively equipped merchant ships as a defence

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to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "VOLTAIRE". The combined convoy sailed under the ocean escort of H.M.S. "JERVIS BAY". The 35 ships consisted of 30 British, 2 Dutch, 1 Norwegian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. 2.10.40

(ii) On October 5th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "SCARBOROUGH". The 35 vessels in the convoy consisted of 20 British, 6 Norwegian, 4 Greek, 3 Swedish and 2 Dutch, all of which were bound for the United Kingdom with the exception of 1 Greek vessel, which was travelling to Eire. 5.10.40

(iii) On the 6th and 8th October, respectively, the Bermuda (9), the Halifax (20) and the Sydney (22) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "ALAUNIA" and the Netherlands Submarine O-14. The combined convoy sailed under the ocean escort of H.M.S. "MONTCLARE". The 51 ships consisted of 34 British, 7 Swedish, 7 Norwegian, 2 Dutch and 1 Greek, all of which were bound for the United Kingdom. 6.10.40.

(iv) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works.

(a) A total of 109 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (51), Halifax (29), Montreal (21), Esquimalt (6) and Saint John (2).

(b) Tenders have been called for the stiffening and installation of Bridge Protection in the S.S. "WESER", the vessel recently captured by H.M.C.S. "PRINCE ROBERT" off the Mexican Coast and now at Esquimalt, B.C.

(c) Eight complete 4-in. Breech Loading guns have arrived in Halifax, 4 of which are being sent to Esquimalt. It is expected that the remaining 24 of the 32 on order will continue to arrive almost daily.

(d) The S.S. "TENERIFFA" and the S.S. "TACHEE" have been taken in hand at Halifax and Sydney, respectively, for stiffening and the installation of a 4-in. Breech Loading gun.

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(f) The Smith and Wesson guns which were being supplied to defensively equipped merchant ships as a defence

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against aircraft have been found to be defective. In their place it is proposed to issue Thompson sub-machine guns, a supply of which will be shipped from the United States to Halifax immediately. These guns, together with whatever Lewis guns are available, will continue to be issued to merchant ships.

(g) The degaussing equipment of 127 ships was inspected during the week. One hundred and seventeen of these were reported as satisfactory and repairs were made to the remaining ten.

(h) Arrangements for the installation of a permanent type of degaussing equipment is under way.

(i) Permission has been received from the Admiralty to maintain a stock of generators at certain key ports for installation in ships where the existing electrical output is insufficient.

(j) Reports from the United States are to the effect that 2 vessels were degaussed during the week and the equipment of 5 was repaired; of the 8 now in hand 6 will be fitted with degaussing gear and 2 will have their present equipment repaired.

(k) Last week, minor repairs were carried out to the following vessels at the Halifax Dockyard in accordance with Admiralty instructions:

H.M.S. "RANPURA", H.M.S. "JERVIS BAY", H.M.S. "ASCANIA", H.M.S. "ALAUNIA", H.M.S. "AUSONIA", and H.M.S. "AURANIA".

(l) The contract for the construction of #2 Wharf at Halifax was awarded to A. Robertson Ltd., Montreal. The project is to cost $150,000.

(m) The ex-U.S. Destroyers taken over by the R.C.N. have now completed a 10-day working-up period at Shelburne and are returning to Halifax. Two of them, the ANNAPOLIS and ST. CLAIR, are now being taken in hand for certain alterations.

(n) It has been reported by the Naval Officer in Charge of the Port of London that H.M.C.S. "MARGAREE" sailed for Sheerness on October 10th. When ammunition and stores have been embarked, she is expected to carry out gun trials and swing for adjustment of compasses, etc., on Saturday, October 12, 1940.

(o) H.M.C.S. "ASSINIBOINE" and H.M.C.S. "SAGUENAY" docked at Saint John, N.B., Thursday, October 10th, for a 3-day docking period. On completion, it is intended to sail H.M.C.S. "SAGUENAY" for the United Kingdom. Admiralty will be asked to sail H.M.C.S. "MARGAREE" so that she and "SAGUENAY" cross in the Western Approaches. H.M.C.S. "MARGAREE" will be sent to Halifax to complete her refit and undergo certain alterations, such as installation of central heating, etc.

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(p) H.M.C.S. "PRINCE ROBERT" sailed from Esquimalt October 10th to continue her cruise off the West Coast of South America.

(q) H.M.S. "TRILLIUM", while carrying out trials, grounded near the Eastern entrance of Lac St. Pierre at 1500 on Wednesday, October 9th. She was at the time in the hands of the builders who were, of course, responsible for her safety. She was later towed off by tugs. It is not yet known what extent the damage may have been.

(r) The armed yachts "OTTER" and "VISON" were commissioned at Halifax on October 4th and 5th, respectively.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $79,579.00.

6. General.

(a) The former French merchant ship "MAURIENNE", has been transferred to the Canadian Government as a replacement for the C.N.S. "LADY SOMERS" in the West Indies trade.

(b) In consequence of reports that a world-wide scheme of sabotage has been planned through local Gestapo chiefs for the destruction of merchant shipping by means of time-bombs, Admiralty have ordered a general tightening of anti-sabotage precautions.

(c) A Norwegian whaler arrived recently at Trinidad with burned-out bearings, due to sand in lubricating oil loaded at Pernambuco.

(d) The Polish S.S. "CZESTOCHOWA" has arrived at Quebec with degaussing gear damaged. Sabotage is suspected.

(e) The German S.S. "ARAUCA" settled litigation last week and was free to sail, but new fines of $50,000 and $3,000 were immediately imposed and the United States Coast Guard resumed guard of the vessel.

(f) Commander W.G. Shedden, R.C.N.V.R., Commanding Officer of the Toronto Division of the R.C.N.V.R., has been appointed Executive Officer of the A.M.C. "PRINCE DAVID". The appointment will take effect October 16th.

(g) The third "TOWN" flotilla of former United States destroyers are proceeding overseas and when last reported were off the coast of Newfoundland. Three more destroyers of this class are now in the Halifax approaches.

(h) The following launchings took place last week:

Name of Vessel	Type	Where Launched	Date
RIMOUSKI	Corvette	Quebec	3.10.40
PICTOU	Corvette	Quebec	5.10.40
ESPERANZA	Minesweeper	Prince Rupert	3.10.40
UNGAVA	Minesweeper	Vancouver	9.10.40

CHIEFS OF STAFF COMMITTEE, 12th October 1940.

There are now 16 corvettes and 5 minesweepers launched.

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CHIEFS OF STAFF COMMITTEE,
12th October 1940.

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Vol. 3.

Ottawa, 19th October 1940.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 50

(For Week Ending 19th October)

Naval Services.

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 17th, 1940.

	Officers	Ratings	Total
R.C.N.	255	2526	2781
R.C.N.R.	471	2558	3029
R.C.N.V.R.	851	5985	6836
T O T A L	1577	11069	12646
Increase	---		72.

(b) Recruiting Activities from October 10th, 1940, to October 17th, 1940.

	Officers	Ratings	Total
R.C.N.	1	6	7
R.C.N.R.	3	18	21
R.C.N.V.R.	15	40	55
T O T A L	19	64	83

Discharges

(a) Medically Unfit	4
(b) Other Reasons	6
(c) Casualties (See Section 2)	1
T O T A L	11

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	Total
75	1084	1159

2. Casualties.

George H.K. Strathy, Acting Sub-Lieutenant, R.C.N.V.R., was killed in action aboard H.M.S. "AJAX" in the Mediterranean on October 12th. It was assumed that this Officer was killed in the action that took place with the units of the Italian Fleet in which three enemy destroyers were sunk. Sub-Lieutenant G.H.K. Strathy joined the R.C.N.V.R. in April as a Physicist and was sent to the United Kingdom for service in the R.N. Special Group.

3. Operations.

(a) Ships -

At Halifax:

Departures.

(i) Cable Ship "JOHN W. MACKAY". 10.10.40.

(ii) H.M.S. "GEORGETOWN" and H.M.S. "HAMILTON". 11.10.40.

(iii) H.M.C.S. "ST. ELOI" for Pictou, N.S. 11.10.40.

(iv) H.M.S. "LACONIA" with convoy HX 80. H.M.C.S. "NIAGARA" and H.M.C.S. "ST. CROIX" were local escorts. 12.10.40

(v) H.M.S. "AUSONIA" for Bermuda. 14.10.40.

(vi) H.M.S. "BEVERLEY", H.M.S. "BELMONT", H.M.S. "BROADWAY" and H.M.S. "BROADWATER" for St. Johns, Nfld. 15.10.40.

(vii) H.M.C.S. "VISON" for Gaspe where she will be employed as a patrol vessel in the Gulf of St. Lawrence. 16.10.40.

(viii) H.M.C.S. "SAGUENAY" from the United Kingdom to relieve H.M.C.S. "MARGAREE". 16.10.40.

(ix) H.M.S. "VOLTAIRE" with convoy HX 81. H.M.C.S. "ST. FRANCIS" and H.M.C.S. "COLUMBIA" were local escorts. 16.10.40.

Arrivals.

(x) H.M.C.S. "ST. FRANCIS, H.M.C.S. "ANNAPOLIS", H.M.C.S. "COLUMBIA", H.M.C.S. "NIAGARA", H.M.C.S. "ST. CROIX", and H.M.C.S. "ST. CLAIR" from training voyage and trials. 11.10.40.

(xi) H.M.S. "AUSONIA" from convoy escort duties. 12.10.40

(xii) H.M.S. "ALAUNIA" from escort duties with convoy BHX 79. 13.10.40.

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(xiii) H.M.C.S. "SAGUENAY" and H.M.C.S. "ASSINIBOINE" from Saint John, N. B., where they had been undergoing refit. 14.10.40.

(xiv) H.M.C.S. "NIAGARA" and H.M.C.S. "ST. CROIX" from local escort duties with convoy HX 80. 14.10.40.

(xv) H.M.S. "RAJPUTANA". 15.10.40.

(xvi) H.M.C.S. "EILEEN" from Riviere du Loup. 16.10.40.

(xvii) Nine former American Destroyers from the United States. 16.10.40.

(xviii) H.M.S. "ASCANIA". 17.10.40.

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(xix) H.M.S. "CORTICELLI" arrived Trinidad. 10.10.40

(xx) H.M.C.S. "PRINCE ROBERT" sailed from Esquimalt. 10.10.40

(xxi) H.M.S. "GEORGETOWN" and H.M.S. "HAMILTON" arrived Saint John, N.B. (See Halifax "Departures" above) 12.10.40.

(xxii) H.M.S. "SANDWICH" arrived Sydney October 13, 1940, and sailed as escort to convoy SC 8 October 15, 1940.

(xxiii) H.M.C.S. "ST. ELOI" arrived Pictou, N.S., from Halifax. 13.10.40

(xxiv) H.M.S. "BEVERLEY", H.M.S. "BELMONT", H.M.S. "BROADWAY" and H.M.S. "BROADWATER", former United States destroyers, arrived St. Johns, Nfld., on October 17, 1940. (See Halifax "Departures" above) H.M.S. "BURNHAM", H.M.S. "BUXTON", H.M.S. "BURWELL", H.M.S. "BRADFORD" and H.M.S. "CHESTERFIELD" are expected to arrive St. Johns shortly. (These nine are <u>not</u> those mentioned in Halifax "Arrivals" above.)

(b) <u>Convoys</u> -

(i) On the 10th, 12th and 13th October, respectively, the Bermuda (9), the Halifax (16), and the Sydney (11) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "ASCANIA". The combined convoy sailed under the ocean escort of H.M.S. "LACONIA". The thirty-six ships consisted of 25 British, 5 Norwegian, 3 Swedish, 2 Greek and 1 Dutch, all of which were bound for the United Kingdom. 9.10.40.

(ii) Sections of a convoy left Bermuda, Halifax and Sydney on the 14th, 16th, and 17th October, respectively. Details of this sailing will be included in next week's report. 14.10.40

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(iii) On October 15th a slow convoy left Sydney, N.S. under the ocean escort of H.M.S. "SANDWICH". The 42 vessels in the convoy consisted of 21 British, 9 Norwegian, 5 Greek, 3 Dutch, 2 Swedish and 2 Belgian, all of which were bound for the United Kingdom. 15.10.40.

(iv) There were 8 independent trans-ocean sailings during the week, seven from the Atlantic Coast and 1 from the Pacific Coast.

4. Works.

(a) A total of 105 D.E.M.S. inspections were carried out during the week at the following ports: Sydney, (44), Halifax (39), Montreal (18), and St. John (4). (Reports from Quebec and Esquimalt were not received in time to be included in the report).

(b) The "LISBETH", "BERNHARD" and "SOLSTEN" have been taken in hand at Halifax for stiffening and the installation of 4-inch breech loading guns. It is proposed to carry out similar work to the "ROZENBURG" and "SURINAM" at Saint John, N.B., and to the "GEISHA" and "TOSARI" on the Pacific Coast.

(c) In an effort to speed up the installation of D.E.M.S. equipment, consideration is being given to a plan by which such installation would be carried out in three stages, viz:

(i) Providing stiffening material and blue prints for completing at next port of call.

(ii) Stiffening only.

(iii) Arming.

The work undertaken would depend on the time the ship can be delayed and the equipment available.

(d) The Norwegian vessels "OSLOFJORD" and "BERGENSFJORD" now in the United States, will be transferred to Halifax for the installation of defensive equipment.

(e) Paravane equipment has been supplied to the "KAIPARA" in Montreal.

(f) One hundred and twenty Thompson machine guns, now being issued to merchant vessels for aircraft defence, have arrived at Halifax. Ten were forwarded to Sydney for installation in ships at that port.

(g) The degaussing equipment of 97 ships was inspected during the week. Eighty-seven of these were reported as satisfactory and repairs were made to the remaining 10.

(h) With reference to the installation of permament degaussing equipment mentioned in a previous report, the Admiralty were asked to accept a modified form, so that congestion would be avoided at convoy ports especially during the winter months. As a result, instructions have been issued to concentrate on semi-permanent installation. This is in line with the type of work being carried on at present.

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(i) Work on the conversion of H.M.C.S. "WOLF" to an Auxiliary Patrol Vessel was completed on October 10th, 1940, at an estimated cost of $29,110. Work has begun on July 25, 1940. H.M.C.S. "WOLF" was formerly a private yacht.

(j) H.M.C.S. "RACCOON" is being sailed for Pictou where she will be refitted and converted to an Armed Yacht.

(k) H.M.C.S. "COLLINGWOOD", a Corvette launched by the Collingwood Shipyards on July 27th, 1940, started dock trials for main and auxiliary machinery on October 14th, 1940. It is expected that she will be ready to sail about November 1st, 1940.

(l) With reference to the manning of Canadian Corvettes the following are the expected key dates of the first eight:

Name	Completion Dates
H.M.C.S. "MATAPEDIA"	25.11.40
H.M.C.S. "ARVIDA"	25.11.40
H.M.C.S. "LEVIS"	1.12.40
H.M.C.S. "NAPANEE"	20.11.40
H.M.C.S. "COLLINGWOOD"	28.10.40
H.M.C.S. "BARRIE"	25.11.40
H.M.C.S. "COBALT"	15.11.40
H.M.C.S. "KENOGAMI"	15.11.40

(m) Work on the R.C.N. Town Class destroyers is being rushed as quickly as possible as they are urgently required for duty in the United Kingdom.

(n) Five vessels are being inspected with a view to requisitioning them as harbour craft for duties at Halifax and Sydney.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $55,388.00.

6. General.

(a) Recruiting of officers for the R.C.N.V.R. has ceased pending the provision of an R.C.N.V.R. Officers' Training Establishment and the necessary staff.

(b) Tenders for the installation of D.E.M.S. equipment for the German freighter "WESER" have been received and it is expected that work on this vessel will begin very shortly. The "WESER" has now been renamed "VANCOUVER ISLAND".

(c) Owing to the lateness of the season, work on the "LADY SOMERS" cannot be completed at Quebec before the St. Lawrence River is closed to navigation. The Admiralty have asked if this work can be carried out in Bermuda.

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(d) Commander Edmund Johnstone, R.C.N., Temporary, has been appointed Manning Commander at Naval Service Headquarters.

(e) Two more corvettes were launched last week, both on Thursday, October 17th. They were:

(1) H.M.C.S. "TRAIL" at the Burrard Drydock Company, Vancouver.

(2) H.M.C.S. "CHICOUTIMI" at Canadian Vickers, Limited, Montreal.

Chiefs of Staff Committee,

19th October 1940.

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Volume 3.

Ottawa, 26th October, 1940.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 51

(For Week Ending 26th October)

Naval Services

1. **Personnel.**

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 24th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	255	2526	2781
R.C.N.R.	480	2614	3094
R.C.N.V.R.	867	6064	6931
TOTAL	1,602	11,204	12,806

Increase - 160

(b) Recruiting Activities from October 17th, 1940, to October 24th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	3	3
R.C.N.R.	9	65	74
R.C.N.V.R.	16	82	98
TOTAL	25	150	175

DISCHARGES

(a) Medically Unfit	5
(b) Other Reasons	7
(c) Casualties (See Section II)	3
TOTAL	15

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
79	1190	1269

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2. Casualties.

(i) Charles D. Devine, Petty Officer Writer, R.C.N., O.N. 40348; killed in motor accident.

(ii) Vernon M. Ward, Able Seaman, R.C.N., O.N. 2275; died while on leave (details not to hand).

(iii) Ralph H. Baxter, Ordinary Seaman, R.C.N.V.R., O.N. V. 14435; died of spinal meningitis.

3. Operations.

(a) Ships -

At Halifax:

Departures

(i) H.M.S. "RAJPUTANA" for Bermuda. 17.10.40

(ii) H.M.S. "RACCOON" for Pictou. 18.10.40

(iii) H.M.S. "ALAUNIA" with Convoy HX 82. H.M.C.S "ST. FRANCIS" and H.M.C.S. "ST. CROIX" were local escorts. 20.10.40

(iv) H.M.S. "RANPURA" for Bermuda. 21.10.40

(v) H.M.S. "DEPTFORD". 24.10.40

(vi) H.M.S. "ASCANIA" with Convoy HX 83. (Confirmation of local escorts for this convoy were lacking when the report was compiled.) 24.10.40

Arrivals

(vii) H.M.S. "ASCANIA" and H.M.S. "LEWES". 17.10.40

(viii) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS" from convoy escort duties. 18.10.40

(ix) H.M.S. "DEPTFORD" for slight repairs. 19.10.40

(x) H.M.S. "JERVIS BAY". 20.10.40
Cable Ship "JOHN W. MACKAY". 21.10.40

(xi) H.M.C.S. "ST. FRANCIS" and H.M.C.S. "ST. CROIX" from local escort duties. 22.10.40

At Sydney:

Departures

(xii) H.M.S. "DEPTFORD" for Halifax. 18.10.40

Arrivals

(xiii) H.M.S. "DEPTFORD" from escort duties with a slow convoy. 17.10.40

(xiv) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS". 18.10.40

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(xv) H.M.C.S. "DRUID" from Gaspe. 21.10.40

(xvi) H.M.S. "FOLKESTONE" from escort duties with a slow convoy. 23.10.40

.....

(xvii) H.M.S. "BURNHAM", H.M.S. "BUXTON", H.M.S. "BRADFORD", H.M.S. "BURWELL" and H.M.S. "CHESTERFIELD" arrived St. John's, Nfld. 18.10.40

(xviii) H.M.S. "BEVERLEY", H.M.S. "BELMONT", H.M.S. "BROADWATER" and H.M.S. "BROADWAY" sailed from St. John's, Nfld., for the United Kingdom. 18.10.40

(xix) H.M.S. "VISON" arrived Gaspe. 18.10.40

(xx) H.M.C.S. "DRUID" arrived Gaspe October 18th and sailed for Sydney on the following day.

(xxi) H.M.S. "RAJPUTANA" arrived Bermuda. 19.10.40

(xxii) H.M.C.S. "RACCOON" arrived Pictou, N.S. 19.10.40

(xxiii) H.M.S. "BURNHAM, H.M.S. "BURWELL", H.M.S. "BRADFORD" and H.M.S. "CHESTERFIELD" sailed from St. John's, Nfld., for the United Kingdom. 21.10.40

(xxiv) H.M.C.S. "VISON" sailed from Gaspe on its first patrol. 21.10.40

(xxv) H.M.S. "BRADFORD" broke down on October 21st off Newfoundland and is returning to Halifax.

(xxvi) H.M.S. "AURANIA" arrived Saint John, N.B., for refit. 22.10.40

(b) <u>Convoys</u>.

(i) On the 14th, 16th and 17th October, respectively, the Bermuda (9), the Halifax (22) and the Sydney (9) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of HMS "AURANIA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 40 ships consisted of 24 British, 7 Norwegian, 4 Dutch, 2 Belgian, 1 Panamanian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. (This is the convoy mentioned in last week's report). 14.10.40

(ii) On the 18th, 20th and 21st October, respectively, the Bermuda (18), the Halifax (8) and the Sydney (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "AUSONIA". The combined convoy sailed under the ocean escort of H.M.S. "ALAUNIA". The 44 ships consisted of 34 British, 6 Dutch and 4 Norwegian, all of which were bound for the United Kingdom. 18.10.40

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(iii) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works

(a) A total of 116 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (54), Halifax (28), Montreal (18), Esquimalt (9), Quebec (5) and Saint John (2).

(b) The following were fitted with 4-inch breech loading guns last week:

"CAPE HORN"
"TENERIFFA"
"JOHN P. PEDERSEN".

(c) Work has begun on the installation of bridge protection and armament on the "VANCOUVER ISLAND", formerly the Nazi freighter "WESER".

(d) The degaussing equipment of 102 ships was inspected during the week. Of these 99 were reported as satisfactory and repairs were made to the remaining three.

(e) The British Ministry of Shipping, New York, last week reported that degaussing gear was installed in six vessels and repairs carried out to eight. There are now in American ports five vessels in hand for degaussing.

(f) The contract for the installation of a heating system in the Grandstand Industrial Building, Halifax, has been awarded for $30,898. Work on the conversion of this building to lecture rooms and barracks has been completed at an estimated cost of $20,000.

(g) At Esquimalt, the following projects were reported completed last week:

1. Receiving store; cost $65,975.

2. Guard House for Fuel Oil Storage; cost $1,500.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $290,000.

6. General.

(a) Three R.C.N. Town Class Destroyers, H.M.C.S. "ANNAPOLIS", H.M.C.S. "ST. CLAIR" and H.M.C.S. "NIAGARA" were taken in hand for refit, prior to departure for the United Kingdom. They should be completed approximately November 15th.

(b) S.S. "INCEMORE", ashore on the Island of Anti-

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2. Casualties.

(i) Charles D. Devine, Petty Officer Writer, R.C.N., O.N. 40348; killed in motor accident.

(ii) Vernon M. Ward, Able Seaman, R.C.N., O.N. 2275; died while on leave (details not to hand).

(iii) Ralph H. Baxter, Ordinary Seaman, R.C.N.V.R., O.N. V. 14435; died of spinal meningitis.

3. Operations.

(a) Ships -

At Halifax:

Departures

(i) H.M.S. "RAJPUTANA" for Bermuda. 17.10.40

(ii) H.M.S. "RACCOON" for Pictou. 18.10.40

(iii) H.M.S. "ALAUNIA" with Convoy HX 82. H.M.C.S "ST. FRANCIS" and H.M.C.S. "ST. CROIX" were local escorts. 20.10.40

(iv) H.M.S. "RANPURA" for Bermuda. 21.10.40

(v) H.M.S. "DEPTFORD". 24.10.40

(vi) H.M.S. "ASCANIA" with Convoy HX 83. (Confirmation of local escorts for this convoy were lacking when the report was compiled.) 24.10.40

Arrivals

(vii) H.M.S. "ASCANIA" and H.M.S. "LEWES". 17.10.40

(viii) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS" from convoy escort duties. 18.10.40

(ix) H.M.S. "DEPTFORD" for slight repairs. 19.10.40

(x) H.M.S. "JERVIS BAY". 20.10.40
Cable Ship "JOHN W. MACKAY". 21.10.40

(xi) H.M.C.S. "ST. FRANCIS" and H.M.C.S. "ST. CROIX" from local escort duties. 22.10.40

At Sydney:

Departures

(xii) H.M.S. "DEPTFORD" for Halifax. 18.10.40

Arrivals

(xiii) H.M.S. "DEPTFORD" from escort duties with a slow convoy. 17.10.40

(xiv) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS". 18.10.40

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(xv) H.M.C.S. "DRUID" from Gaspe. 21.10.40

(xvi) H.M.S. "FOLKESTONE" from escort duties with a slow convoy. 23.10.40

.....

(xvii) H.M.S. "BURNHAM", H.M.S. "BUXTON", H.M.S. "BRADFORD", H.M.S. "BURWELL" and H.M.S. "CHESTERFIELD" arrived St. John's, Nfld. 18.10.40

(xviii) H.M.S. "BEVERLEY", H.M.S. "BELMONT", H.M.S. "BROADWATER" and H.M.S. "BROADWAY" sailed from St. John's, Nfld., for the United Kingdom. 18.10.40

(xix) H.M.S. "VISON" arrived Gaspe. 18.10.40

(xx) H.M.C.S. "DRUID" arrived Gaspe October 18th and sailed for Sydney on the following day.

(xxi) H.M.S. "RAJPUTANA" arrived Bermuda. 19.10.40

(xxii) H.M.C.S. "RACCOON" arrived Pictou, N.S. 19.10.40

(xxiii) H.M.S. "BURNHAM, H.M.S. "BURWELL", H.M.S. "BRADFORD" and H.M.S. "CHESTERFIELD" sailed from St. John's, Nfld., for the United Kingdom. 21.10.40

(xxiv) H.M.C.S. "VISON" sailed from Gaspe on its first patrol. 21.10.40

(xxv) H.M.S. "BRADFORD" broke down on October 21st off Newfoundland and is returning to Halifax.

(xxvi) H.M.S. "AURANIA" arrived Saint John, N.B., for refit. 22.10.40

(b) <u>Convoys</u>.

(i) On the 14th, 16th and 17th October, respectively, the Bermuda (9), the Halifax (22) and the Sydney (9) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of HMS "AURANIA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 40 ships consisted of 24 British, 7 Norwegian, 4 Dutch, 2 Belgian, 1 Panamanian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. (This is the convoy mentioned in last week's report). 14.10.40

(ii) On the 18th, 20th and 21st October, respectively, the Bermuda (18), the Halifax (8) and the Sydney (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "AUSONIA". The combined convoy sailed under the ocean escort of H.M.S. "ALAUNIA". The 44 ships consisted of 34 British, 6 Dutch and 4 Norwegian, all of which were bound for the United Kingdom. 18.10.40

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(xv) H.M.C.S. "DRUID" from Gaspe. 21.10.40

(xvi) H.M.S. "FOLKESTONE" from escort duties with a slow convoy. 23.10.40

.....

(xvii) H.M.S. "BURNHAM", H.M.S. "BUXTON", H.M.S. "BRADFORD", H.M.S. "BURWELL" and H.M.S. "CHESTERFIELD" arrived St. John's, Nfld. 18.10.40

(xviii) H.M.S. "BEVERLEY", H.M.S. "BELMONT", H.M.S. "BROADWATER" and H.M.S. "BROADWAY" sailed from St. John's, Nfld., for the United Kingdom. 18.10.40

(xix) H.M.S. "VISON" arrived Gaspe. 18.10.40

(xx) H.M.C.S. "DRUID" arrived Gaspe October 18th and sailed for Sydney on the following day.

(xxi) H.M.S. "RAJPUTANA" arrived Bermuda. 19.10.40

(xxii) H.M.C.S. "RACCOON" arrived Pictou, N.S. 19.10.40

(xxiii) H.M.S. "BURNHAM, H.M.S. "BURWELL", H.M.S. "BRADFORD" and H.M.S. "CHESTERFIELD" sailed from St. John's, Nfld., for the United Kingdom. 21.10.40

(xxiv) H.M.C.S. "VISON" sailed from Gaspe on its first patrol. 21.10.40

(xxv) H.M.S. "BRADFORD" broke down on October 21st off Newfoundland and is returning to Halifax.

(xxvi) H.M.S. "AURANIA" arrived Saint John, N.B., for refit. 22.10.40

(b) Convoys.

(i) On the 14th, 16th and 17th October, respectively, the Bermuda (9), the Halifax (22) and the Sydney (9) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of HMS "AURANIA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 40 ships consisted of 24 British, 7 Norwegian, 4 Dutch, 2 Belgian, 1 Panamanian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. (This is the convoy mentioned in last week's report). 14.10.40

(ii) On the 18th, 20th and 21st October, respectively, the Bermuda (18), the Halifax (8) and the Sydney (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "AUSONIA". The combined convoy sailed under the ocean escort of H.M.S. "ALAUNIA". The 44 ships consisted of 34 British, 6 Dutch and 4 Norwegian, all of which were bound for the United Kingdom. 18.10.40

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(iii) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works

(a) A total of 116 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (54), Halifax (28), Montreal (18), Esquimalt (9), Quebec (5) and Saint John (2).

(b) The following were fitted with 4-inch breech loading guns last week:

"CAPE HORN"
"TENERIFFA"
"JOHN P. PEDERSEN".

(c) Work has begun on the installation of bridge protection and armament on the "VANCOUVER ISLAND", formerly the Nazi freighter "WESER".

(d) The degaussing equipment of 102 ships was inspected during the week. Of these 99 were reported as satisfactory and repairs were made to the remaining three.

(e) The British Ministry of Shipping, New York, last week reported that degaussing gear was installed in six vessels and repairs carried out to eight. There are now in American ports five vessels in hand for degaussing.

(f) The contract for the installation of a heating system in the Grandstand Industrial Building, Halifax, has been awarded for $30,898. Work on the conversion of this building to lecture rooms and barracks has been completed at an estimated cost of $20,000.

(g) At Esquimalt, the following projects were reported completed last week:

1. Receiving store; cost $65,975.

2. Guard House for Fuel Oil Storage; cost $1,500.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $290,000.

6. General.

(a) Three R.C.N. Town Class Destroyers, H.M.C.S. "ANNAPOLIS", H.M.C.S. "ST. CLAIR" and H.M.C.S. "NIAGARA" were taken in hand for refit, prior to departure for the United Kingdom. They should be completed approximately November 15th.

(b) S.S. "INCEMORE", ashore on the Island of Anti-

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costi, is overrun with pirates. H.M.C.S. "VISON" has been sent from Gaspe to investigate.

(d) S.S. "LADY SOMERS", recently requisitioned for the Admiralty as an Ocean Boarding vessel, is now in the process of conversion. As much work as possible will be done at Montreal before the close of navigation. She will then probably sail for Bermuda and be completed there.

(e) It is now proposed to build six new vessels for the Fishermen's Reserve on the West Coast, instead of requisitioning. Plans and specifications are being prepared with a view to calling for tenders.

(f) H.M.C.S. "MARGAREE" sailed from the United Kingdom for Halifax on October 20th.

(g) H.M.C.S. "ASSINIBOINE", H.M.C.S. "ST. CROIX" and H.M.C.S. "ST. FRANCIS" carried out exercises in the Halifax approaches on October 22nd.

(h) H.M.C.S. "HUSKY" and H.M.C.S. "REINDEER" were damaged in a gale on October 23rd.

There were no launchings last week.

Chiefs of Staff Committee,

26th October 1940.

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COPY NO. 1

S E C R E T

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3.

Ottawa, 2nd November 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 52.

(For Week Ending 2nd November)

Naval Services

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 31st, 1940.

	Officers	Ratings	TOTAL
R.C.N.	253	2424	2677
R.C.N.R.	480	2663	3143
R.C.N.V.R.	868	6233	7101
TOTAL	1601	11320	12921

Increase - 115.

(b) Recruiting Activities from October 24th, 1940, to October 31st, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	9	9
R.C.N.R.	2	59	61
R.C.N.V.R.	3	198	201
TOTAL.....	5	266	271

Discharges

(a)	Medically Unfit	6
(b)	Other Reasons	9
(c)	Casualties (See Section 2)	4 Officers 137 Ratings
	TOTAL	156

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
82	1131	1213

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2. Casualties.

Anthony Leskin, Ordinary Seaman, R.C.N.V.R., V. 11314; lost in sinking of D.E.M.S. "WHITFORD POINT".

Four Officers and 137 Ratings killed in sinking of H.M.C.S. "MARGAREE".

(Casualties of H.M.C.S. "BRAS D'OR" are not included in this list).

3. OPERATIONS.

(a) Ships -

At Halifax:

Departures

(i) H.M.S. "ASCANIA" with Convoy HX 83. H.M.C.S. "ASSINIBOINE" and H.M.C.S. "COLUMBIA" were local escorts. 24.10.40

(ii) Cable Ship "CAMBRIA". 27.10.40

(iii) Cable Ship "JOHN W. MACKAY". 28.10.40

(iv) H.M.S. "JERVIS BAY" with Convoy HX 84. H.M.C.S. "ST. FRANCIS" and H.M.C.S. "COLUMBIA" were local escorts. 28.10.40

(v) H.M.S. "MONTCLARE" for Bermuda. 29.10.40

(vi) H.M.S. "GEORGETOWN" for Newfoundland. 29.10.40

Arrivals

(vii) Cable Ship "CAMBRIA". 24.10.40

(viii) H.M.S. "MONTCLARE" and H.M.S. "GEORGETOWN". 25.10.40

(ix) H.M.C.S. "COLUMBIA" and H.M.C.S. "ASSINIBOINE" from local escort duties. 26.10.40

(x) H.M.S. "LACONIA" from escort duties with Convoy HX 80. 29.10.40

(xi) H.M.S. "RAJPUTANA" arrived from escort duty with Convoy BHX 83. 29.10.40

(xii) H.M.C.S. "MARLIS". 29.10.40

(xiii) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS" from local escort duties with Convoy HX 84. 30.10.40

(xiv) H.M.C.S. "MARLIS" sailed from Pictou for Halifax. 27.10.40

(xv) H.M.C.S. "PRINCE ROBERT" arrived Callao, Peru. 27.10.40

(xvi) H.M.S. "WINDFLOWER", an Admiralty corvette, left Quebec for Halifax. 28.10.40

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(xvii) H.M.S. "ENCHANTRESS" arrived Sydney for convoy escort duties. 30.10.40

(xviii) H.M.S. "GEORGETOWN" arrived St. Johns, Nfld. 31.10.40

(b) Convoys -

(i) On October 24th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "DEPTFORD". The 31 vessels in the convoy consisted of 16 British, 8 Norwegian, 3 Greek, 2 Dutch and 2 Polish, all of which were bound for the United Kingdom. 24.10.40

(ii) On the 22nd, 24th, and 25th October, respectively, the Bermuda (15), the Halifax (20) and the Sydney (2) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "ASCANIA". The 37 ships consisted of 28 British, 5 Norwegian, 2 Dutch, 1 Swedish and 1 Belgian, all of which were bound for the United Kingdom. 22.10.40

(iii) On the 26th, 28th and 29th October, respectively, the Bermuda (8), the Halifax (18) and the Sydney (12) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RANPURA". The combined convoy sailed under the ocean escort of H.M.S. "JERVIS BAY". The 38 ships consisted of 26 British, 4 Swedish, 3 Norwegian, 2 Belgian, 2 Polish and 1 Greek, all of which were bound for the United Kingdom. 26.10.40

(iv) On the 29th October a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "FOLKESTONE". The 14 vessels in the convoy consisted of 7 British, 3 Norwegian, 2 Greek, 1 Dutch and 1 Swedish, all of which were bound for the United Kingdom. 29.10.40

(v) There were 5 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 3 from the Pacific Coast.

4. Works.

(a) A total of 99 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (44), Halifax (22), Montreal (21), Quebec (6), Esquimalt (4) and Saint John (2).

(b) The following were fitted with 4-in. Breech Loading guns last week:

"MURENA"
"LISBETH"
"SOLSTEN"
"CAPE HORN"
"BIC ISLAND".

(c) The following vessels have been taken in hand:

(a) The "OSLOFJORD", at Halifax, for installation of arming, bridge protection and degaussing gear.

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(b) The "SALABANGRA", at Halifax, for stiffening.

(c) The "GEISHA", on the West Coast, for the installation of arming, bridge protection and degaussing gear.

(d) The degaussing equipment of 85 ships was inspected during the week. Of these 82 were reported as satisfactory and repairs were made to the remaining three.

(e) The British Ministry of Shipping, New York, last week reported that the installation of degaussing gear in 5 vessels was completed and that repairs were carried out to two. There are now in American ports 5 vessels in hand for degaussing.

(f) Minor items of repair were carried out to H.M.S. "ASCANIA", H.M.S. "RANPURA", and H.M.S. "ALAUNIA" at the Halifax Dockyard as per instructions from the Admiralty.

(g) Plans for the new gunnery school at Halifax have been held up pending a decision on a new site. The estimated cost of this project has been set at $350,000.

(h) Plans and specifications are being prepared by the E. in C.'s Department in order that tenders may be called for the construction of six new Fishermen's Reserve vessels for the West Coast.

(i) S.S. "LOOS" is being put into a seaworthy condition by Marine Industries Limited for requisitioning as a gate vessel for Shelburne.

(j) Coal Barge #6 is being put into a seaworthy condition, for use as a Boom Maintenance Vessel.

(k) H.M.C.S. "ANNAPOLIS" has a seriously damaged boiler, which will delay her refit. A fourth ship, H.M.C.S. "ST. CROIX" has been taken in hand, in order that the first three Town Class destroyers may sail for the United Kingdom on approximately November 15th.

(l) Contracts for the construction of four additional 170-foot minesweepers have been let to the following firms:

1. Dufferin Shipbuilding Company, Toronto (two).

2. Prince Rupert Dry Dock and Shipyards Co., Prince Rupert, B.C. (two)

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $71,668.00, of which $59,804 was for material for the six former United States destroyers.

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6. General.

(a) Increased activity of German vessels in neutral ports is reported. The tanker "GEDANIA" sailed from Las Palmas to arrive St. Nazaire October 31st. S.S. "HELGOLAND" sailed Baranquilla October 28th for Cartagena.

(b) German S.S. "KULMERLAND" at Kobe has been transferred to Japanese registry and renamed "TEIYO MARU". The "BURGENLAND" also tied up in Kobe is to be similarly transferred.

(c) H.M.C.S. "BRAS D'OR" was reported as missing on October 25th, 1940. She sailed from Clark City, P.Q., October 18th, shadowing the Rumanian Ship S.S. "ING. N. VLASSOPOL", bound for Sydney, C.B. She was last sighted by "VLASSOPOL" at 0350 October 19th off Anticosti Island in the Gaspe passage. A search by air and sea has failed to reveal any trace of her and it is presumed she is lost. A Board of Inquiry will sit in Quebec on November 1st, 1940, to inquire into the circumstances. Captain C.R.H. Taylor, R.C.N., will be President of the Board. Meanwhile, H.M.C.S. "VISON" is continuing the search.

(d) H.M.C.S. "MARGAREE" was sunk in collision with S.S. "PORT FAIRY" in the North Atlantic on October 22nd, 1940. This information was released to the press on Monday, October 28th.

(e) It is proposed to withdraw the St. Lawrence River patrol on November 7th, with the exception of H.M.C.S. "AMBLER" which will remain till shortly before the close of navigation, usually around November 30th.

(f) There were two launchings last week:

(a) H.M.C.S. "SHERBROOKE", a corvette, at Marine Industries Ltd., Sorel, P.Q., on Friday, October 25th, 1940.

(b) H.M.C.S. "NANAIMO", a corvette, at Yarrows, Ltd., Esquimalt, B.C., on Wednesday, October 30th, 1940.

Chiefs of Staff Committee,

2nd November 1940.

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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol.3.

Ottawa, 9th November, 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 53

(For Week Ending 9th November)

Naval Services

1. Personnel

(a) Mobilised strength of R.C.N. and Reserve Forces as at November 7th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	253	2425	2678
R.C.N.R.	482	2671	3153
R.C.N.V.R.	877	6326	7203
TOTAL.....	1612	11422	13034

Increase - 113

(b) Recruiting Activities from October 31st, 1940, to November 7th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	6	6
R.C.N.R.	7	24	31
R.C.N.V.R.	10	113	123
TOTAL.....	17	143	160

Discharges

(a)	Medically Unfit	8
(b)	Other Reasons	9
(c)	Casualties (See Section II)	5 Officers 25 Ratings
	TOTAL	47

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(c) Complement borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
79	1180	1259

2. Casualties

Five Officers and 25 Ratings killed in sinking of H.M.C.S. "BRAS D'OR".

3. Operations

(a) Ships -

At Halifax:

Departures

(i) U.S.S. "RUSSEL" (Destroyer Leader) and U.S.S. "DENEBOLA" (Depot Ship). 30.10.40.

(ii) H.M.S. "RAJPUTANA" with Convoy HX 85. H.M.C.S. "ASSINIBOINE" was local escort. 1.11.40.

(iii) H.M.S. "LEAMINGTON", H.M.S. "LEEDS", H.M.S. "MONTGOMERY", H.M.S. "STANLEY", H.M.S. "CHURCHILL" and H.M.S. "SHERWOOD" for the United Kingdom via St. Johns, Nfld. 1.11.40.

(iv) H.M.C.S. "ADVERSUS" for Mulgrave. 1.11.40.

(v) H.M.C.S. "CARTIER" for Saint John, N.B. 2.11.40.

(vi) H.M.S. "LACONIA" for Bermuda. 4.11.40.

Arrivals

(vii) H.M.S. "WINDFLOWER" due to sail for the United Kingdom shortly. 31.10.40.

(viii) H.M.C.S. "CARTIER" from Saint John. 31.10.40.

(ix) H.M.S. "VOLTAIRE" from ocean escort duties. 2.11.40.

(x) H.M.C.S. "ASSINIBOINE" from local escort duties. 3.11.40.

(xi) H.M.S. "MALOJA" from the United Kingdom. 3.11.40.

(xii) Cable Ship "CAMBRIA". 3.11.40.

(xiii) H.M.S. "COMORIN" from the United Kingdom. 7.11.40.

(xiv) H.M.C.S. "COLUMBIA", H.M.C.S. "ST. FRANCIS" and H.M.S. "VOLTAIRE" bringing back HX 86, after being ordered to return to port. 6.11.40.

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(xv) H.M.S. "GEORGETOWN" arrived St. John's, Nfld. 31.10.40.

(xvi) H.M.S. "BUXTON", H.M.S. "GEORGETOWN", H.M.S. "CHESTERFIELD" and H.M.S. "CAMERON" arrived St. John's, Nfld. 31.10.40.

(xvii) H.M.S. "GEORGETOWN" and H.M.S. "CAMERON" sailed from St. John's, Nfld. 2.11.40.

(xviii) H.M.S. "LEWES", H.M.S. "LINCOLN" and H.M.S. "LUDLOW" sailed from St. John's, Nfld., for the United Kingdom. 3.11.40.

(xix) H.M.S. "LEAMINGTON", H.M.S. "LEEDS", H.M.S. "MONTGOMERY", H.M.S. "STANLEY", H.M.S. "SHERWOOD" and H.M.S. "CHURCHILL" arrived St. John's, Nfld. 3.11.40.

.....

(xx) H.M.S. "LINCOLN", H.M.S. "LEWES", H.M.S. "LUDLOW" arrived Saint John, N.B. 2.11.40.

(xxi) H.M.S. "RANPURA" arrived Saint John, N.B., for refit. 2.11.40.

(xxii) H.M.C.S. "CARTIER" arrived Saint John, N.B., from Halifax. 5.11.40.

.....

(xxiii) H.M.S. "ENCHANTRESS" arrived Sydney, N.S., for slow convoy escort. 30.10.40.

(xxiv) H.M.C.S. "VISON" arrived Gaspe. 2.11.40.

(xxv) H.M.C.S. "ALACHASSE" arrived Pictou from Mulgrave. 3.11.40.

(b) Convoys -

(i) Owing to the presence of a German raider in the North Atlantic, convoys were ordered back to ports of St. John's, Nfld., Halifax and Bermuda, and new arrangements for sailing have been made. The German raider is reported to be the "ADMIRAL SCHEER".

(ii) However, although the independent trans-ocean sailings were at first suspended, they have been resumed. During the week there were 7 independent trans-ocean sailings, 4 from the Atlantic Coast and 3 from the Pacific Coast.

4. Works -

(a) A total of 103 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (36), Halifax (28), Montreal (28), Esquimalt (5), Saint John (4) and Quebec (2).

(b) The following were fitted with 4-in. Breech Loading guns last week:

"TOSARI" at Esquimalt.
"BERNHARD" at Halifax.

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Works (Cont'd.)

(c) Notice has been received from Admiralty to the effect that no further guns will be supplied from the United Kingdom for D.E.M.S. purposes, as stocks do not permit. This applies after the 32 guns already ordered and of which 8 have been received, have been exhausted.

(d) The following vessels have been taken in hand:

(i) The "RENA", at Saint John, for stiffening and degaussing. The "ROZENBURG" and "SURINAM" have been stiffened only, no further 4-in. guns being available.

(ii) The "INDUSTRA" and "INDIAN PRINCE " at Esquimalt for bridge protection.

(iii) The "KAIPAKI", at Montreal, for repairs to her paravane gear.

(iv) The "ANTHEA" at Sydney for bridge protection.

(e) The degaussing equipment of 98 ships was inspected during the week. Of these, 91 were reported as satisfactory, the remainder undergoing repairs.

(f) An examination service will be established at the Port of St. John's, Nfld., on December 1, 1940. H.M.C.S. "MACSIN" will be the examination vessel, leaving Quebec, where she is at present employed, on November 15th, 1940. H.M.C.S. "AMBLER" will replace H.M.C.S. "MACSIN" on the Quebec Examination Service.

(g) Motor Torpedo Boat No.1 was scheduled to carry out trials at Montreal on November 7th, 1940. These trials have now been postponed for approximately one week, as the ship is not quite ready.

(h) Owing to the presence of an enemy raider in mid-Atlantic and the possibility of her appearing off the shores of Canada, refit of H.M.C.S. "RESTIGOUCHE", which was to be completed November 14th, 1940, has been rushed and she was expected to be ready p.m., Friday, November 8th, 1940. Also, there will be available H.M.C.S. "ASSINIBOINE", H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS".

(i) The definite completion date for refitting of H.M.C.S. "RENARD" at Quebec has been given as November 20th, 1940.

(j) Work on H.M.C.S. "MARLIS", an examination vessel, was completed on the 28th October, 1940. The estimated cost of repairs is $16,500.

(k) A contract was awarded to the Pictou Foundry Company for conversion of H.M.C.S. "RACCOON" into an auxiliary patrol vessel. The work was commenced on the 24th October, 1940.

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(l) H.M.C.S. "ST. CLAIR" is at the present undergoing certain alterations and additions.

(m) H.M.S "DEPTFORD", H.M.S. "ASCANIA" and H.M.S. "JERVIS BAY" were taken in hand at Halifax to undergo certain minor alterations according to Admiralty specifications.

(n) The contract for a new boom defence hut, which will be built at Sydney at a cost of $3,361, was awarded to J. C. McMillan.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $9,752.

6. General.

(a) Two vessels, H.M.C.S. "CLEOPATRA" and H.M.C.S. "ANNA MILDRED", have been withdrawn from the St. Lawrence River Patrol and will be hauled out of the water for laying up for the winter at Quebec. H.M.C.S. "AMBLER" will remain on patrol until November 14th, 1940.

(b) Three motor boats have been requisitioned to be employed as harbour craft, Motor Vessel "LILA G" and Motor Boat No. 635 for Halifax, and Motor Vessel "DORIS MARY" for Sydney.

(c) Owing to the shortage of Royal Navy crews for the last ten United States destroyers arriving at Halifax on November 15th, 1940, the R.C.N. is providing a Care and Maintenance Party for seven of these ships at the request of the Admiralty.

(d) It is anticipated H.M.C.S. "COLLINGWOOD" will sail from Collingwood this week for Quebec and Halifax.

(e) A Board of Inquiry into the loss of H.M.C.S. "MARGAREE" was held at Bermuda this week, Captain E. S. Brand, R.C.N., attending. A report has not yet been received at N.S.H.Q.

(f) A Greek Shipping Committee has been set up in London for control of Greek shipping. Voyages to Japan have been restricted to avoid any possibility of concentration of Greek ships in Japanese waters.

(g) The German S. S. "RIO GRANDE" ran aground in attempting to leave Rio Grande do Sul, Brazil. The German ships "CERIGO" at Guayaquil, Ecuador, the "IDARWALD" at Tampico and the "EISENACH" and Italian ship "FELLA", both at Puntarenas, Costa Rica, are reported ready and about to sail. There has been no report of the German ship "HELGOLAND" which sailed from Barranquilla, Colombia, on October 28th.

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(h) W/T Traffic for Month of October, 1940.

I N	Messages	- 2556
O U T	Messages	- 2830
T O T A L		- 5387

Total Number of Groups: 287,461.

This represents a slight decrease from September. Conditions are nearly always poor at this time of year, though traffic has on the whole moved with very few delays. Whitehall W/T, the Admiralty Station, has been choked with traffic on a number of occasions due chiefly to poor conditions.

Chiefs of Staff Committee,

9th November 1940.

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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3.

Ottawa, 16th November 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 54

(For Week Ending 16th November)

Naval Services

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 14th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	253	2429	2682
R.C.N.R.	486	2670	3156
R.C.N.V.R.	881	6554	7435
TOTAL	1620	11653	13273

Increase - 239

(b) Recruiting Activities from November 7th, 1940, to November 14th, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	6	6
R.C.N.R.	5	8	13
R.C.N.V.R.	4	261	265
TOTAL	9	275	284

DISCHARGES

(a) Medically Unfit	17
(b) Other Reasons	13
(c) Casualties (See Section II)	15
TOTAL	45

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
81	1033	1114

2. Casualties.

(i) Nelson Uriah Conrad, Able-Bodied Seaman, R.C.N.R., O.N. A. 2279; missing from D.E.M.S. "DAVENGER" since October 11th, 1940.

(ii) Lloyd G. McKinnon, Ordinary Seaman, R.C.N.V.R., O.N. V. 16090; missing from D.E.M.S. "SCOTTISH MAIDEN" since November 5th, 1940.

(iii) In the sinking of H.M.S. "JERVIS BAY" two were injured and thirteen are missing, believed killed.

(iv) Robert L. Porter, Able-Bodied Seaman, R.C.N.R., O.N. A. 1555; wounded on S.S. "CREEMUIR" on November 11th, 1940.

3. Operations.

(a) Ships -

At. Halifax

- Departures -

(i) H.M.S. "LANCASTER" and H.M.S. "MANSFIELD" for St. Johns, Nfld. 8.11.40

(ii) H.M.S. "VOLTAIRE" with Convoy HX 86. H.M.C.S. "RESTIGOUCHE" and H.M.C.S. "ASSINIBOINE" were local escorts. 10.11.40

(iii) H.M.S. "RAJPUTANA" for Sydney to act as escort to Convoy HX 85 which had been ordered to return to Canada the previous week owing to the presence of a German raider in the North Atlantic. This convoy was later joined by H.M.S. "RODNEY" as ocean escort. 11.11.40

(iv) H.M.S. "ASCANIA" for Bermuda. 13.11.40

(v) H.M.S. "ALAUNIA" with Convoy HX 87. H.M.C.S. "ST. FRANCIS" and H.M.C.S. "COLUMBIA" were local escorts. 14.11.40

- Arrivals -

(vi) H.M.S. "ASCANIA" from ocean escort duties. 9.11.40

(vii) H.M.S. "RAJPUTANA" from Sydney. 9.11.40

(viii) H.M.S. "BUXTON" from St. Johns, Nfld., to undergo refit before sailing for the United Kingdom. 10.11.40

(ix) Cable Ship "JOHN W. MACKAY". 11.11.40

(x) H.M.C.S. "RESTIGOUCHE" and H.M.C.S. "ASSINIBOINE" from local escort duties. 12.11.40

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At Sydney:

- Departures -

(xi) H.M.S. "RAJPUTANA" for Halifax. 9.11.40

(xii) H.M.S. "ENCHANTRESS" with Convoy SC 11. 9.11.40

(xiii) H.M.S. "LEITH" with Convoy SC 12. 13.11.40

- Arrivals -

(xiv) H.M.S. "RAJPUTANA" with Convoy ordered back because of presence of German raider. 8.11.40

(xv) H.M.S. "LEITH" for convoy escort duty. 8.11.40

.....

(xvi) H.M.S. "TRILLIUM" left Montreal November 9th for Quebec where she arrived on the 11th. She sailed the same day for Mulgrave and was expected to arrive in Halifax on November 13th. As yet, no report of its arrival there has been received.

(xvii) H.M.S. "LANCASTER", H.M.S. "MANSFIELD", H.M.S. "STANLEY" and H.M.S. "SHERWOOD" left St. Johns, Nfld., November 12th for the United Kingdom.

(b) Convoys -

(i) On November 9th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "ENCHANTRESS". The 38 vessels in the convoy consisted of 18 British, 11 Norwegian, 3 Dutch, 2 Swedish, 2 Greek, 1 Rumanian and 1 Finnish, all of which were bound for the United Kingdom with the exception of 1 Finnish ship which was travelling to Eire. 9.11.40

(ii) The Bermuda (14), the Halifax (8) and the Sydney (6) Sections of Convoy HX 85, which were ordered back to Sydney because of the presence of a German raider in the North Atlantic, set sail from Sydney on the 11th November under the ocean escort of H.M.S. "RAJPUTANA" and H.M.S. "RODNEY". The 28 ships consisted of 24 British, 2 Swedish, 1 Belgian and 1 Norwegian, all of which were bound for the United Kingdom. 11.11.40

(iii) On the 8th, 10th and 11th November, respectively, the Bermuda (13), the Halifax (20) and the Sydney (10) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "LACONIA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 43 ships consisted of 28 British, 9 Norwegian, 4 Dutch, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. 8.11.40

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(iv) On November 13th a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "LEITH". The 17 vessels in the convoy consisted of 7 British, 6 Norwegian, 3 Greek and 1Polish, all of which were bound for the United Kingdom. 13.11.40

(v) There were 5 independent trans-ocean sailings during the week, 1 from the Atlantic Coast and 4 from the Pacific Coast.

4. Works.

(a) A total of 58 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (33), Halifax (17), Esquimalt (7) and Saint John (1).

(b) The "TUNGSHA" is in hand for stiffening at Saint John.

(c) Work on the installation of a 4-inch gun and bridge protection in the "GEISHA" has been completed on the West Coast.

(d) Instructions have been received from the Admiralty to accord Greek vessels the same treatment and consideration as other Allied ships.

(e) The degaussing equipment of 58 ships was inspected during the week. Of these 52 were reported as satisfactory; repairs are being made where necessary.

(f) In the United States last week 2 vessels were degaussed, 2 had their degaussing equipment repaired and 4 are now in hand for installation of degaussing gear.

(g) The conversion of H.M.C.S. "CARIBOU" to an auxiliary patrol vessel was completed on November 14th, two days ahead of the anticipated completion date. Work on this vessel began on August 27th, 1940, and, as yet, the cost of the project is not certain.

(h) Minor items of repair were made to H.M.S. "MONTCLARE", H.M.S. "LACONIA" and H.M.S. "VOLTAIRE" by Halifax Dockyard last week as per instructions from the Admiralty.

(i) The plans for the construction of a Temporary Barracks at Esquimalt were approved last week and have been passed to the Department of Public Works, which department will call for tenders. The estimated cost of the project is $16,000.00.

(j) H.M.C.S. "LIL II" was laid up for the winter at Quebec City on November 9th.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $161,285.00.

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6. General.

(a) H.M.C.S. "COLLINGWOOD", the first corvette to be completed in Canada for the Canadian Navy, arrived at Kingston on November 14th and has sailed for Montreal en route to Halifax.

(b) H.M.C.S. "COBALT" successfully completed her endurance trials during the week and she is expected to undergo speed trials on the 16th.

(c) Four German merchant ships at Tampico, Mexico, are reported to have completed bunkers and are preparing to sail. A United States destroyer is now patrolling the area just outside Mexican territorial waters.

(d) Enemy minefields have again been discovered in Australian coastal waters. On November 7th and 8th a British vessel and a U.S.A. vessel sank in the Bass Straits after striking mines.

(e) Recapitulation of Naval Casualty List as of Thursday, November 14, 1940.

Deaths.

	Officers	Ratings
H.M.C.S. "FRASER"	-	47
H.M.C.S. "BRAS D'OR"	5	25
H.M.C.S. "MARGAREE"	4	136
H.M.S. "JERVIS BAY"	-	13
Active Service (Enemy Action, etc., not listed previously)	4	3 (includes (ONE from ("RESTIGOUCHE"- ("FRASER" dis- (aster).
On Defensively Equipped Merchant Ships	-	4
Died on Active Service - (Natural Causes)	-	10
Other Deaths, including accidents, etc.	1	5
TOTAL	14	243

Injured and Wounded:

	Officers	Ratings
H.M.C.S. "FRASER"	1	17
H.M.S. "JERVIS BAY"	-	2
TOTAL	1	19

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7. Casualties Last Week

See Section II.

8. Recapitulation of Awards Made to Members of the Naval Service Since the Outbreak of War:

Distinguished Service Cross	-- 5 Officers
Medal of the Order of the British Empire for meritorious service	- 1 Rating.
Mentioned in Despatches	- 4 Officers 5 Ratings.

The following corvette launchings have been successfully carried out:

(1) H.M.C.S. "SASKATOON", at Montreal, on November 6th, 1940.

(2) H.M.C.S. "QUESNEL", at Victoria, on November 12th, 1940.

Chiefs of Staff Committee,

16th November 1940.

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S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3.

Ottawa, 23rd November, 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 55

(For week Ending 23rd November)

Naval Services

1. Personnel

(a) The Mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 21st, 1940.

	Officers	Ratings	TOTAL
R.C.N.	253	2430	2683
R.C.N.R.	492	2700	3192
R.C.N.V.R.	887	6677	7564
TOTAL	1632	11807	13439
		Increase -	166

(b) Recruiting Activities from November 14th, 1940, to November 21st, 1940.

	Officers	Ratings	TOTAL
R.C.N.	0	1	1
R.C.N.R.	7	35	42
R.C.N.V.R.	6	140	146
	13	176	189

Discharges

(a) Medically Unfit	18
(b) Other Reasons	4
(c) Casualties (See Section II)	1
Total	23

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
78	1090	1168

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2. Casualties

Laughlin Elwood Stewart, A.B., R.C.N.R., O.N.C. 192; killed on S.S. "BEAVERFORD" November 5th, 1940.

3. Operations

(a) Ships -

At Halifax:

- Departures -

(i) H.M.S. "AUSONIA" with Convoy HX 88. H.M.C.S. "ASSINIBOINE" sailed as ocean escort. 14.11.40

(ii) H.M.S. "COMORIN" with Convoy HX 89. H.M.C.S. "COLUMBIA" AND H.M.C.S. "ST. FRANCIS" were local escorts. 17.11.40

(iii) H.M.C.S. "RESTIGOUCHE" for Shelburne. 18.11.40

(iv) H.M.C.S. "FLEUR DE LYS" for Mulgrave. 18.11.40

(v) Cable Ship "CAMBRIA". 21.11.40

- Arrivals -

(i) H.M.S. "LACONIA". 15.11.40

(ii) H.M.C.S. "COLUMBIA", H.M.C.S. "ST. FRANCIS" and H.M.C.S. "ASSINIBOINE" from local escort duties. 16.11.40

(iii) H.M.C.S. "VISON". 17.11.40

(iv) H.M.C.S. "CARIBOU". 18.11.40

(v) H.M.C.SL "COLUMBIA" and H.M.C.S. "ST. FRANCIS". 19.11.40

(vi) H.M.S. "HEPATICA". 19.11.40

(vii) H.M.S. "MONTCLARE". 20.11.40

Ten former U.S.A. destroyers and 1 Depot Ship (Names not given). 20.11.40

(viii) H.M.S. "REVENGE". 21.11.40

(ix) H.M.C.S. "ASSINIBOINE". 21.11.40

.....

(x) H.M.C.S. "AMBLER", which was withdrawn from patrol at Quebec. 14.11.40

(xi) H.M.C.S. "CARIBOU" sailed from Quebec for Halifax. 14.11.40

(xii) H.M.S. "HEPATICA" sailed from Quebec for Halifax. 16.11.40

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(xiii) H.M.S. "ASCANIA" arrived Bermuda. 15.11.40

(xiv) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS" carried out exercises in the Halifax Approaches. 16.11.40.

(xv) H.M.C.S. "ALACHASSE" sailed from Pictou on November 18th and arrived Mulgrave on the same day.

(xvi) H.M.C.S. "RESTIGOUCHE" arrived Shelburne. 18.11.40

(xvii) H.M.C.S. "FLEUR DE LYS" arrived Mulgrave. 18.11.40

(xviii) H.M.S. "LANCASTER", H.M.S. "CHESTERFIELD", H.M.S. "MANSFIELD" and H.M.S. "SHERWOOD" arrived in the United Kingdom. 19.11.40.

(b) Convoys

(i) On the 14th and 15th November, respectively, the Halifax (17) and the Sydney (16) Sections of a convoy left their assembly ports to effect junction at sea. The Sydney Section, until junction with the Halifax Section, was under the escort of H.M.C.S. "ELK". The combined convoy sailed under the ocean escort of H.M.S. "ALAUNIA". The 33 Vessels in the convoy consisted of 22 British, 4 Norwegian, 3 Greek, 2 Dutch, 1 Polish and 1 Belgian, all of which were bound for the United Kingdom with the exception of 1 Greek ship which was travelling to Eire. 14.11.40

(ii) On the 12th, 14th and 15th November, respectively, the Bermuda (15), the Halifax (28) and the Sydney (10) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "MONTCLARE", the Halifax Section being under the escort of H.M.C.S. "HUSKY". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 53 ships consisted of 43 British, 6 Dutch, 2 Norwegian, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. 12.11.40

(iii) On the 17th and 18th November, respectively, the Halifax (12) and the Sydney (18) Sections of a convoy left their assembly ports to effect junction at sea. The Sydney Section, until junction with the Halifax Section was under the escort of H.M.C.S "ELK" and H.M.C.S. "HUSKY". The combined convoy sailed under the ocean escort of H.M.S. "COMORIN". The 30 ships consisted of 16 British, 7 Norwegian, 1 Dutch, 5 Greek and 1 Polish, all of which were bound for the United Kingdom. 17.11.40

There were 6 independent trans-ocean sailings during the week, 5 from the Atlantic Coast and 1 from the Pacific Coast.

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CANADA

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There were 6 independent trans-ocean sailings during the week, 5 from the Atlantic Coast and 1 from the Pacific Coast.

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4. Works.

(a) A total of 103 D.E.M.S. inspections were carried out during the week at the following ports: Montreal (52), Sydney (35), Halifax (13) and Quebec (3).

(b) The following vessels have been taken in hand:

(i) The "RENA" and "SALABANGKA" for stiffening at Saint John.

(ii) The "SOPHOCLES" is being provided with machine gun protection at Montreal.

(iii) The "KAROSS" for bridge protection and installation of a High Angle gun.

(c) Eight Mark VII mountings have now been received in Halifax and guns awaiting mountings have been allotted to the following ships:

BERGENSFJORD
ANNA KNUDSON
KEDOE
LETIOPA
BINGTANG
TACHEE
ROSENBURG
SURINAM.

(d) It has been submitted to the Admiralty that with the closing of the St. Lawrence ports, greater use should be made of Kingston and Bermuda for stiffening and arming. Ships requiring arming from U.S.A. ports should be routed to Bermuda.

(e) The degaussing equipment of 95 ships was inspected during the week. Of these 84 were reported as satisfactory. Repairs are being carried out where necessary.

(f) The scheme to provide ships, which have not sufficient power for degaussing, with generators is now in operation.

(g) Refit work on H.M.C.S. RESTIGOUCHE, which was commenced on the 13th August, 1940, was completed on the 17th November, 1940, at a cost of $35,523.00.

(h) Refit work on H.M.C.S. "MURRAY STEWART" was completed on November 12th, 1940, at a cost of $3,337.00.

(i) H.M.C.S. "NIAGARA", H.M.C.S. "ST. CLAIR" and H.M.C.S. "ST. CROIX", which were undergoing refit, were completed on November 18th, 1940.

(j) H.M.C.S. "COLUMBIA" and H.M.C.S. "ST. FRANCIS" were taken in hand by Halifax Shipyard. Refit work was commenced on November 20th.

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5. Stores.

The equipment purchased by the Naval Stores amounted this week to $979,775.00.

6. General.

(a) The four German freighters at Tampico left port November 15th but on sighting warships which the masters believed to be British, the "PHRYGIA" was scuttled while the "RHEIN", "ORINOCO" and "IDARWALD" returned to port. It is now reported that the latter three are again preparing to leave.

(b) The "HELGOLAND" which sailed from Barranquilla October 28th is still unreported and is considered to have escaped the Caribbean patrol and to be heading for an enemy port.

7. Total Casualties to Date

	Officers	Ratings	Total
Killed in action	4	52	56
Killed on Active Service	10	177	187
Other Deaths	0	14	14
TOTAL	14	243	257
Wounded or Injured	1	21	

The following corvette launchings have been successfully carried out:

(1) H.M.C.S. "CAMROSE" at Montreal on November 16th, 1940.

(2) H.M.C.S. "SOREL" at Sorel, P.Q., on November 16th, 1940.

(3) H.M.C.S. "BADDECK" at Lauzon, P.Q., on November 18th 1940.

Chiefs of Staff Committee,

23rd November 1940.

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C178940

S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199, Vol. 3

Ottawa, 30th November, 1940

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 56

(For week Ending 30th November)

Naval Services

1. Personnel

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 28th, 1940.

	Officers	Ratings	Total
R.C.N.	253	2432	2685
R.C.N.R.	493	2717	3210
R.C.N.V.R.	896	6902	7798
	1642	12051	13693

Increase - 254

(b) Recruiting Activities from November 21st, 1940, to November 28th, 1940.

	Officers	Ratings	Total
R.C.N.	0	3	3
R.C.N.R.	3	19	22
R.C.N.V.R.	9	236	245
Total	12	258	270

Discharges

(a)	Medically Unfit	5
(b)	Other Reasons	9
(c)	Casualties (See Section II)	2 Ratings
	Total	16

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	Total
73	1110	1183

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2. Casualties

Sydney A. Bateman, A.B., R.C.N.V.R., O.N. V. 6150; missing, believed killed while serving on D.E.M.S. "MAIDEN" -- 5th November, 1940.

Earl F.D. Huson, A.B., R.C.N.V.R., O.N. V. 6337; lost overboard at sea, while serving on H.M.C.S. "ST. LAURENT" -- reported by signal of 25th November, 1940.

3. Operations

(a) Ships

At Halifax:

- Departures -

(i) H.M.S. "WINDFLOWER" and H.M.C.S. "ASSINIBOINE" with Convoy HX 90. H.M.S. "LACONIA" acted as ocean escort. 21.11.40

(ii) H.M.C.S. "ASSINIBOINE" as local escort for Convoy HX 91. H.M.S. "ASCANIA" acted as ocean escort. 25.11.40

(iii) H.M.S. "REVENGE" as ocean escort for Convoy HX 91. 26.11.40

- Arrivals -

(iv) H.M.C.S. "RESTIGOUCHE" from Shelburne. 22.11.40

(v) H.M.S. "WINDFLOWER" from local escort of Convoy HX 90. 22.11.40

(vi) H.M.C.S. "ASSINIBOINE" from local escort duty. 23.11.40

(vii) H.M.S. "REVENGE". 24.11.40

(viii) H.M.C.S. "ASSINIBOINE". 27.11.40

(vix) H.M.S. "RAJPUTANA". 28.11.40

.....

(x) H.M.C.S. "MACSIN" sailed from Quebec for St. Johns, Nfld., via Sydney. 23.11.40

(xi) Motor Torpedo Boat 1 sailed from Montreal for Quebec. 23.11.40

(xii) Motor Torpedo Boat 1 sailed from Quebec for Halifax. 24.11.40

(xiii) Motor Torpedo Boat 1 arrived at Rimouski. 24.-11.40.

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Ships (Cont'd)

(xiv) H.M.C.S. "COLLINGWOOD" arrived Quebec. 24.11.40

(xv) H.M.C.S. "COLLINGWOOD", H.M.C.S. "RENARD" sailed from Quebec for Halifax. 27.11.40

(xvi) H.M.S. "ARROWHEAD" arrived Quebec. 27.11.40

.....

(xvii) Motor Boat D-14 arrived Sydney from Mulgrave. 22.11.40

(xviii) H.M.C.S. "ORILLIA" sailed from Collingwood for Montreal. 26.11.40 She is expected to arrive in Montreal on December 3rd.

(b) Convoys

(i) On the 19th, 21st and 22nd November, respectively, the Bermuda (23), the Halifax (11) and the Sydney (7) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections was under the escort of H.M.S. "MALOJA", the Sydney Section being under the escort of H.M.C.S. "ELK". The combined convoy sailed under the ocean escort of H.M.S. "LACONIA". The 41 ships consisted of 32 British, 5 Norwegian, 3 Dutch and 1 Belgian, all of which were bound for the United Kingdom. 19.11.40

(ii) On November 22nd a Slow Convoy left Sydney, N.S. The 43 vessels in the convoy consisted of 21 British, 10 Norwegian, 9 Greek and 3 Dutch, all of which were bound for the United Kingdom. 22.11.40

(iii) On the 23rd, 25th and 26th November, respectively, the Bermuda (6), the Halifax (13) and the Sydney (14) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "ASCANIA", the Sydney Section being under the escort of H.M.C.S. "ELK" and H.M.C.S. "HUSKY". The combined convoy sailed under the ocean escort of H.M.S. "REVENGE". The 33 ships consisted of 19 British, 5 Norwegian, 4 Greek, 2 Swedish, 2 Dutch and 1 Belgian, all of which were bound for the United Kingdom. 23.11.40

(iv) There were 3 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 1 from the Pacific Coast.

4. Works

(a) A total of 130 D.E.M.S. inspections were carried out during the week at the following ports: Sydney (60), Halifax (43), Esquimalt (13), Montreal (12), Quebec 2.

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4. Works (Cont'd)

(b) The "BERGENSFJORD" has been equipped with a 12-pounder High Angle gun in addition to the 4" Low Angle gun already supplied.

(c) Stiffening of the "TUNGSHA" and "RENA" was completed at Saint John and the stiffening of the "TACHEE" was completed at Sydney.

(d) The "JENNY" and "BRAGANZA" are in hand for stiffening at Halifax and Saint John, respectively.

(e) The Norwegian Ministry of Shipping has purchased Colt Marlin machine guns in the U.S.A. Two of these guns are being installed in each ship which previously did not carry such equipment.

(f) The degaussing equipment of 124 ships was inspected during the week. Of these 119 were reported as satisfactory. Repairs have been carried out on the remaining 5.

(g) The British Ministry of Shipping, New York, reports the following work on degaussing equipment in U.S. ports: ships degaussed 2, repaired 5, in hand 9, for repairs 2.

(h) Instructions have been received from the Admiralty that future work of fitting coils between decks of merchant ships is only to be undertaken in case of ships under construction and those undergoing refit over a period of more than one month.

(i) H.M.C.S. "PRINCE DAVID", which is being converted to an Armed Merchant Cruiser at Halifax Shipyards, was reported as being 94% completed. H.M.C.S. "PRINCE HENRY", which is being converted by Canadian Vickers, is reported as being 95% completed.

(j) Work on H.M.C.S. "RENARD", which was commenced August 8th, 1940, is now reported as completed.

(k) Certain minor items of repair were carried out by H.M.C. Dockyard at Halifax, according to Admiralty specifications, to the following ships: H.M.S. "AUSONIA", H.M.S. "ASCANIA", H.M.S. "ALAUNIA", H.M.S. "VOLTAIRE", H.M.S. "WINDFLOWER", H.M.S. "MANSFIELD" and H.M.S. "LANCASTER".

5. Stores

The equipment purchased by the Naval Stores amounted this week to $187,912.00.

6. General

The Director of Naval Personnel and Commander E.R.

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6. General (Cont'd)

Brock left on a tour of inspection of R.C.N.V.R. Divisions from Kingston to Vancouver on the 26th November and will return a.m., Friday, 13th December. During this tour, they will interview candidates for entry into the R.C.N.V.R. as Probationary Sub-Lieutenants.

(b) Paymaster Commander F.O. Stredder, R.C.N.V.R., is at present visiting Montreal, Toronto and Ottawa, interviewing candidates for entry as Paymaster Sub-Lieutenants and Paymaster Lieutenants, R.C.N.V.R.

(c) Acting Commander Edmund Johnstone, Manning Commander at Naval Service Headquarters, has taken over the duties as Acting D.N.P. during Captain Grant's absence.

(d) Captain C.R.H. Taylor, R.C.N. has been appointed Captain (D), Town Class Flotilla, and at a later date will become Commanding Officer, H.M.C.S. "DOMINION", and will carry out liaison duties between Canadian ships and personnel in United Kingdom waters and the Admiralty.

There were three corvettes launched during the week:

(1) H.M.C.S. "BUCTOUCHE" at the Davie Shipbuilding and Repair Company, Lauzon, P.Q., on November 20th.

(2) H.M.C.S. "LETHBRIDGE" at Canadian Vickers, Montreal, on November 21st.

(3) H.M.C.S. "BARRIE" at the Collingwood Shipyards, Collingwood, Ontario, on November 23rd.

Chiefs of Staff Committee
30th November, 1940.

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3.

Ottawa, 7th December 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 57.

(For week ending 7th December)

Naval Services.

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 5th, 1940.

	Officers	Ratings	Total.
R.C.N.	255	2436	2691
R.C.N.R.	498	2768	3266
R.C.N.V.R.	898	7020	7918
TOTAL	1651	12224	13875

Increase - 182.

(b) Recruiting Activities from November 28th, 1940, to December 5th, 1940.

	Officers	Ratings	Total
R.C.N.	2	5	7
R.C.N.R.	5	52	57
R.C.N.V.R.	2	122	124
TOTAL	9	179	188

Discharges.

(a)	Medically Unfit	1
(b)	Other Reasons	3
(c)	Casualties (See Section II)	2 Ratings.
	TOTAL	6

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
71	1324	1395

2. Casualties.

(a) William J. Lower, A.B., R.C.N., O.N. 3498; missing, believed lost, while serving on D.E.M.S. "LISIEUX" - per W/T 1529 of December 2nd, 1940.

(b) Robert McKenzie Sinclair, Ordinary Seaman for Commission, R.C.N.V.R., O.N. V 12309; missing, believed killed in action on S.S. "MADOC" - per W/T 1229 of December 2nd, 1940.

3. Operations.

(a) Ships - "At Halifax":

- Departures -

(i) H.M.S. "MONTCLARE", escorint Convoy HX 92. H.M.C.S. "RESTIGOUCHE" and H.M.S. "WINDFLOWER" were local escorts. 30.11.40

(ii) H.M.C.S. "NIAGARA", H.M.C.S. "ST. CLAIR" and H.M.C.S. "ST. CROIX" for the United Kingdom via St. Johns. 30.11.40

(Iii) H.M.S. "VOLTAIRE" for Bermuda. 1.12.40

(iv) H.M.S. "ALAUNIA" for Bermuda. 2.12.40

(v) Cable Ship "CYRUS FIELD" for vicinity of Sydney to repair cables. 3.12.40

(vi) H.M.S. "AURANIA" and H.M.C.S. "ASSINIBOINE" with Convoy HX 93. 3.12.40

(vii) U.S.S. "DENEBOLA" and U.S.S. "ROWE" (Depot Ship and Leader for ex-U.S. Destroyers). 3.12.40

- Arrivals -

(viii) H.M.S. "AURANIA" from Saint John, N.B. 30.11.40

(ix) H.M.S. "ALAUNIA" and H.M.C.S. "RESTIGOUCHE". 1.12.40

(x) H.M.S. "AUSONIA". 1.12.40

(xi) H.M.S. "WINDFLOWER" from local escort duties. 1.12.40

(xii) H.M.C.S. "ARROWHEAD" and H.M.C.S. "RENARD". 3.12.40

(xiii) H.M.S. "COMORIN" from convoy escort duties. 3.12.40

(xiv) H.M.C.S. "COLLINGWOOD". 4.12.40

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(xv) H.M.CS. "ARROWHEAD" arrived Quebec. 29.11.40

(xvi) H.M.C.S. "RENARD" and H.M.C.S. "ARROWHEAD" sailed from Quebec. 30.11.40

(xvii) H.M.C.S. "NAPANEE" sailed from Kingston, Ontario, on November 30th. She suffered an accident at the head of Morrisburg Canal, and returned to Kingston on December 3rd, 1940, where she will have to remain for the winter.

(xviii) H.M.S. "ASCANIA" arrived Bermuda. 2.12.40

(xix) H.M.C.S. "ORILLIA" arrived Montreal. 4.12.40

(xx) H.M.C.S. "ORILLIA" sailed from Montreal for Halifax. 5.12.40

(xxi) H.M.C.S. "COBALT" which sailed from Port Arthur November 25th for Montreal was reported to have arrived at Coteau (head of Soulange Canal) on December 5th, and is now trying to get through the Canal.

(b) Convoys.-

(i) On the 29th and 30th November, respectively, the Halifax (12) and the Sydney (12) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section was unable to sail as there was no escort available. The Sydney Section, until junction with the Halifax Section, was under the escort of H.M.C.S. "ELK". The Combined convoy sailed under the ocean escort of H.M.S. "MONTCLARE". The 24 ships consisted of 7 British, 7 Swedish, 4 Norwegian, 3 Dutch, 2 Greek and 1 Belgian, all of which were bound for the United Kingdom. 29.11.40.

(ii) On 30th November a Slow Convoy left Sydney, N.S. The 22 vessels in the convoy consisted of 10 British, 6 Norwegian, 3 Greek, 2 Dutch and 1 Belgian, all of which were bound for the United Kingdom. 30.11.40

(iii) On the 1st, 3rd and 4th December, respectively, the Bermuda (15), the Halifax (10) and the Sydney (6) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "MALOJA". The combined convoy sailed under the ocean escort of H.M.S. "AURANIA". The 31 ships consisted of 25 British, 3 Dutch, 2 Norwegian and 1 Greek, all of which were bound for the United Kingdom. 1.12.40

(iv) There were 6 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 3 from the Pacific Coast.

4. Works.

(a) Fifty-seven D.E.M.S. inspections have been carried out during the week at the following ports: Sydney (35), Halifax (14), Montreal (5) and Saint John (3).

(b) The following vessels have been taken in hand for stiffening:

(i) At Montreal:

"HADA COUNTY" will be equipped with a 4-in. Breech Loading gun.

"EDAM" will be mounted with a H/A gun.

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(ii) At Halifax:

The "JENNY", the "BELLA" and the "RUTH I" will each be equipped with a 4-in. Breech Loading gun. The "SYDNEY" is also in hand for stiffening.

(iii) At Saint John:

The "HELLEN" and "CURACAO" will each be equipped with a 4-in. Breech Loading gun.

(c) Protection was provided to the "HOPETARN" 12-pounded H/A gun at Esquimalt.

(d) Stiffening has been completed on the "BRAGANZA" at Saint John and 4-in. Breech Loading guns have been mounted on the "TUNGSHA" and "SALABANGKA" at Halifax.

(e) The remaining 16 4-in. Breech Loading guns of the 32 allotted for D.E.M.S. purposes have been received. When these have been installed, no further guns will be available for the present.

(f) One hundred Thompson guns have been received in Halifax from the United States.

(g) During the week the degaussing equipment of 56 vessels was inspected in Canadian ports. Fifty-four were reported as satisfactory; repairs have been carried out on the remaining two.

(h) The British Ministry of Shipping in New York reports the following work in U;S. ports:

Ships degaussed	4
Repairs carried out	4
Ships in hand for degaussing.	11
Ships in hand for repairs . .	3.

(i) Further instructions have been received from the Admiralty regarding permanent degaussing and it has now been decided that permanent installations can be made when causing no delay to ships' movements.

(j) Forecastle and Quarterdeck coils, however, are to be fitted in all cases below deck except in tankers.

(k) The "PRINCE HENRY" which was converted into an armed merchant cruiser at the Canadian Vickers Montreal, was reported as completed on December 3rd, 1940.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $29,653.85.

6. General.

(a) H.M.C.S. "M.T.B. No. 1" sailed from Montreal, November 23rd, 1940, for Halifax. En route she went ashore on a sandbank off Richibucto, November 27th, 1940. Salvage operations are now in progress.

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(b) Two empty life boats of the Port Line, stocked with provisions, water, etc., have been found indicating that survivors of the S.S. "PORT HOBART" were taken aboard the enemy raider which sank her.

(c) German and Italian vessels in Central and South American ports and in Asiatic ports are increasingly active and some have already sailed.

(d) Volume of W/T Traffic.

Wireless conditions were very poor during the last ten days of November - particularly between Ottawa and Whitehall. Although there has been a marked improvement in reception since the new W/T Receiving Station at the Experimental Farm has been in use, poor conditions must always be expected at this time of year. It will be seen that traffic has fallen off slightly: and an increased number of messages have been routed over cable systems.

	November	October
OUT Messages	2615	2831
IN Messages	2358	2556
	4973	5387
No of "Groups" Handled:	262,214	287,461

(e) Two corvettes were launched during the week:

(i) H.M.C.S. "ROSTHERN" at Port Arthur Shipyard on November 20th.

(ii) H.M.C.S. "AMHERST" at the Saint John Shipyard, Saint John, N.B., on December 4th.

(f) H.M.C.S. "ST. ANNE", a minesweeper, was launched at the Dufferin Shipyard, Toronto, On November 23rd.

Chiefs of Staff Committee,

7th December 1940.

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C178950

S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol.3

Ottawa, 14th December 1940.

Summary of Information Respecting
Departmental Activities

SUMMARY NO. 58

(For week ending 14th December)

Naval Services

1. Personnel

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 12th, 1940.

	Officers	Ratings	Total
R.C.N.	256	2429	2685
R.C.N.R.	507	2804	3311
R.C.N.V.R.	905	7224	8129
TOTAL.	1668	12457	14125

Increase - 250

(b) Recruiting Activities from December 5th, 1940, to December 12th, 1940:

	Officers	Ratings	Total
R.C.N.	1	3	4
R.C.N.R.	9	41	50
R.C.N.V.R.	7	224	231
TOTAL.	17	268	285

Discharges.

(a)	Medically unfit	6
(b)	Other Reasons	7
(c)	Casualties (see Section II)	22
	TOTAL. .	35

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
91	1263	1354

2. Casualties

(a) In the torpedoing of H.M.C.S. "SAGUENAY" on 1st December 1940, 21 ratings are believed killed and 18 ratings were wounded.

(b) James Crookes Moloney, A.B., R.C.N.V.R. O.N. V. 5246; missing, believed killed in action on 2nd December, 1940, while serving on D.E.M.S. "WILHELMINA".

3. Operations

(a) Ships - "At Halifax"

- Departures -

(i) H.M.S. "COMORIN" for Bermuda. 6.12.40

(ii) H.M.S. "AUSONIA" escorting convoy HX 95. H.M.C.S. "RESTIGOUCHE" was local escort. 10.12.40

- Arrivals -

(iii) H.M.C.S. "ASSINIBOINE" and H.M.S. "LACONIA" 8.12.40

(iv) H.M.S. "MALOJA". 9.12.40

(v) H.M.S. "ROYAL SOVEREIGN". 10.12.40

(vi) H.M.C.S. "ELK" and H.M.C.S. "HUSKY". 11.12.40

(vii) H.M.S. "SPIKENHEAD", H.M.S. "MAYFLOWER", H.M.S.S. "EYEBRIGHT" and H.M.C.S. "ORILLIA". 11.12.40

(viii) H.M.C.S. "ASSINIBOINE". 11.12.40

(ix) H.M.S. "REVENGE". 11.12.40

(x) H.M.C.S. "PRINCE HENRY". 11.12.40

(xi) H.M.S. "RANPURA" and H.M.C.S. "RESTIGOUCHE". 12.12.40

- Arrivals -

At St. Johns, Nfld:

(xii) H.M.S. "RAMSAY", H.M.S. "RIPLEY" and H.M.S. "READING" en route to United Kingdom. 6.12.40

(xiii) H.M.S. "ROXBOROUGH" and H.M.S. "ROCKINGHAM". 9.12.40.

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(xiv) H.M.S. "ASCANIA". 12.12.40

At Sydney:

(xv) H.M.C.S. "DRUID" arrived Sydney. 7.12.40

(xvi) H.M.C.S. "ELK" and H.M.C.S. "HUSKY" sailed from Sydney for Halifax. 10.12.40

At Three Rivers:

(xvii) H.M.S. "FENNEL" arrived Three Rivers. 9.12.40

(xviii) H.M.C.S. "COBALT" en route to Halifax arrived Three Rivers. 10.12.40

(xix) H.M.C.S. "COBALT" sailed from Three Rivers. 11.12.40

At Quebec:

(xx) H.M.S. "MAYFLOWER", H.M.S. "EYEBRIGHT" and H.M.C.S. "ORILLIA" arrived Quebec. 6.12.40

(xxi) H.M.S. "FENNEL" arrived Quebec. 10.12.40

(xxii) H.M.C.S. "COBALT" arrived Quebec. 11.12.40

. . . . . .

(xxiii) H.M.S. "ALAUNIA" arrived Bermuda. 5.12.40

(xxiv) H.M.C.S. "COBALT" sailed from Montreal for Halifax. 8.12.40

(xxv) H.M.S. "COMORIN" arrived Bermuda. 8.12.40

(xxvi) H.M.C.S. "COBALT" sailed from Sorel. 10.12.40

(xxvii) H.M.S. "SNOWBERRY" arrived Mulgrave December 10th with Motor Torpedo Boat No.1.

(xxviii) H.M.C.S. "ST. CLAIR" and H.M.C.S. "NIAGARA" arrived in the United Kingdom. 11.12.40

(xxix) H.M.C.S. "ST. CROIX" returning to Halifax via St. Johns, Nfld.

(b) Convoys -

(i) On the 4th, 6th and 7th December, respectively, the Bermuda (8), the Halifax (5), the Sydney (7) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax and Sydney Sections, was under the escort of H.M.S. "ASCANIA", the Sydney Section being under the escort of H.M.C.S. "ELK" and H.M.C.S. "HUSKY". The combined convoysailed under the ocean escort of H.M.S. "RAJPUTANA", H.M.S. "WINDFLOWER" and H.M.S. "TRILLIUM". The 20

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ships consisted of 13 British, 4 Norwegian, 1 Swedish, 1 Dutch and 1 Greek, all of which were bound for the United Kingdom. 4.12.40

(ii) On 8th December a Slow Convoy left Sydney, N.S., under the escort from about 44° W. of H.M.S. "CILICIA". The 25 vessels in the convoy consisted of 11 British, 7 Norwegian, 4 Greek, 1 Swedish, 1 Dutch and 1 Polish, all of which were bound for the United Kingdom. 8.12.40

(iii) On 8th and 10th December, respectively, the Bermuda (12) and the Halifax (12) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "VOLTAIRE". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA" . The 24 ships consisted of 15 British, 4 Dutch, 3 Greek and 2 Norwegian, all of which were bound for the United Kingdom. 8.12.40

(iv) There were 7 independent trans-ocean sailings during the week, 5 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works

(a) Fifty-eight D.E.M.S. inspections have been carried out during the week at the following ports: Sydney (32), Halifax (18), Quebec (5), Esquimalt (3).

(b) The "BENJAMIN FRANKLIN" has been taken in hand for arming, degaussing and bridge protection at Esquimalt.

(c) The "FRONTENAC" has been taken in hand for Stiffening at St. John, N.B.

(d) Each of the following ships has been mounted with a 4" Breach Loading Gun: "TACHEE", "LEIF ERICKSSON" AND "JENNY.

(e) The "RUTH I" and "HELLEN", which were being stiffened at Sydney and St. John, respectively, have been completed.

(f) The degaussing equipment of 54 vessels has been inspected during the week. Fifty-one were reported as satisfactory; repairs have been carried out on the remainder.

(g) The British Ministry of Shipping reports the following degaussing activities in U.S. ports:

Ships degaussed.....	1
Repairs carried out.....	5
Ships in hand for degaussing.....	25
Ships in hand for repairs.....	6

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(h) Permanent degaussing installations are being made on all ships taken over in the U.S.A. on behalf of British interests.

(i) The factory being built at the Canadian Power Boat Corporation, Montreal, is nearing completion. This company, which is to manufacture Motor Torpedo Boats, has commenced the construction of the first hull.

(j) H.M.C.S. "ORILLIA" which was built by the Collingwood Shipyards and H.M.C.S. "COBALT" which was built by the Port Arthur Shipyards, have been provisionally accepted by the Royal Canadian Navy.

(k) Repairs on H.M.C.S. "BEAVER" and H.M.S. "ST. ELOIS" are reported as being 80% completed.

(l) H.M.C.S. "PRINCE DAVID" which is being converted into an Armed Merchant Cruiser by the Halifax Shipyards, was expected to be completed by December 12th. Still, at that date, it was reported as being only 98% completed.

(m) H.M.C.S. "ANNAPOLIS" and H.M.C.S. "GRIZZLY" are at present undergoing certain minor items of repair. The date of anticipated completion is uncertain.

(n) The extension to the main machine shop at Halifax, which was built at a cost of $11,500 was completed on December 10th.

(o) Tenders were called for the building of temporary accommodation barracks at Esquimalt. The estimated cost of construction is $63,000.

(p) The Department of Public Works is calling for tenders for the construction of the new sick bay at Esquimalt at an estimated cost of $70,000.

5. Stores

The equipment purchased by the Naval Stores amounted this week to $94,654.24.

6. General

(a) H.M.C.S. "TUNA" was delivered by the owners to the Royal Canadian Navy at Halifax on 9th December.

(b) H.M.C.S. "LOOS" was requisitioned on December 11th at Sorel.

(c) Motor Torpedo Boat No. 1 has been successfully salvaged and towed to Hawkesbury, C.B., where she will be overhauled before proceeding to Halifax. Damage is not serious.

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(d) It is expected that H.M.C.S. "ELK", H.M.C.S. "HUSKY" and H.M.C.S. "VISON" will sail for Bermuda from Halifax on December 19th and will be under Commander-in-Chief, America and West Indies' orders for the winter months.

(e) The German freighters "IDARWALD" and "RHEIN" which sailed from Tampico November 29th, were intercepted at sea during the past week. Both vessels were fired by their own crews. The "IDARWALD" was eventually sunk by H.M.S. "DIOMEDE" while a Netherlands' warship was making every effort to salvage the "RHEIN".

(f) Owing to heavy weather, a number of ships have wirelessed distress calls in the past week. These included the "BEOTHIC", ashore near Cape Bauld, in a heavy snowstorm December 8th. The crew of the vessel is safe, but the master reports the ship a total loss. A second vessel, the "ANTHEA" was abandoned by her crew after collision with the Dutch freighter "MAASDAM" in thick weather.

(g) Several vessels put back to port with extensive weather damage sustained while outward bound in convoy. These included the Norwegian "IRON BARON", ex-French "FORT MEDINE" and Dutch "STAD MAASLUIS".

Total Casualties to Date

	Officers	Ratings	Total
Killed on Active Service	14	255	269
Other Deaths.....	0	14	14
TOTAL.	14	269	283
Wounded or Injured.....	1	39	40

There were two launchings successfully carried out during the week:

(a) H.M.C.S. "DUNVEGAN", a corvette, on December 11th, 1940, at Marine Industries, Ltd., Sorel, P.Q.

(b) H.M.C.S. "WASAGA", a minesweeper, on December 12th at Burrard Drydock Co., Vancouver, B.C.

Chiefs of Staff Committee,

14th December 1940.

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 3

Ottawa, 21st December 1940.

Summary of Information Respecting
Departmental Activities

SUMMARY NO. 59

(For week ending 21st December)

Naval Services

1. Personnel

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 19th, 1940:

	Officers	Ratings	TOTAL
R.C.N.	256	2476	2732
R.C.N.R.	510	2819	3329
R.C.N.V.R.	909	7645	8554
TOTAL.	1675	12940	14615

Increase - 490

(b) Recruiting Activities from December 12th, 1940, to December 19th, 1940:

	Officers	Ratings	TOTAL
R.C.N.	0	48	48
R.C.N.R.	3	17	20
R.C.N.V.R.	5	432	437
TOTAL.	8	497	505

Discharges

(a)	Medically Unfit	2
(b)	Other Reasons	13
(c)	Casualties (See Section II)	0.
	TOTAL. .	15

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
104	1025	1129

2. Casualties

Nil

Total Casualties to Date

	Officers	Ratings	TOTAL
Killed on Active Service	14	255	269
Other Deaths.	0	14	14
TOTAL.	14	269	283
Wounded or Injured. . . .	1	39	40

3. Operations

(a) Ships - "At Halifax"

- Departures -

(i) H.M.S. "RANPURA" escorting Convoy HX 96. 14.12.40

(ii) H.M.C.S. "COLLINGWOOD" escorting Slow Convoy 16. 15.12.40

(iii) H.M.S. "ROYAL SOVEREIGN" to contact and escort Slow Convoy 16. 16.12.40

(iv) H.M.S. "REVENGE" escorting Troop Convoy No.8. 16.12.40.

(v) H.M.C.S. "ASSINIBOINE" and H.M.C.S. "RESTIGOUCHE" acting as local escort to Troop Convoy No. 8. 16.12.40

(vi) H.M.S. "WELLS" and H.M.S. "NEWARK" (former U.S.A. Destroyers) for St. John, N.B. 17.12.40

(vii) Convoy HX 97 with H.M.S. "HEPATICA" as ocean escort. 18.12.40

(viii) H.M.C.S. "HUSKY", H.M.C.S. "ELK" and H.M.C.S. "VISON" for Bermuda where they will spend the winter months under the operational orders of the C. in C., A. & W.I. They were escorted by H.M.S. "MONTCLARE". 19.12.40

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- Arrivals -

(ix) H.M.C.S. "ORILLIA" from Quebec. 11.12.40

(x) H.M.S. "RANPURA". 12.12.40

(xi) H.M.C.S. "RESTIGOUCHE" from local escort duties. 12.12.40

(xii) H.M.S. "SNOWBERRY". 13.12.40

(xiii) U.S. Ship "DENEBOLA" for equipment. 15.12.40

(xiv) H.M.S. "AURANIA" from ocean escort duties.17.12.40

(xv) H.M.S. "MONTCLARE" from ocean escort duties.17.12.40

(xvi) H.M.S. "PORPOISE" (submarine) from the United Kingdom. 17.12.40

(xvii) H.M.C.S. "FLEUR DE LIS" with Motor Torpedo Boat No. 1, after having towed the latter from Hawkesbury. 17.12.40

(xviii) H.M.C.S. "COLLINGWOOD" from local escort duties. 18.12.40

(xix) H.M.C.S. "ASSINIBOINE" and H.M.C.S. "RESTIGOUCHE" from local escort of Troop Convoy No. 18. 18.12.40

(xx) H.M.C.S. "ST. CROIX" from St. Johns, Nfld. 18.12.40

(xxi) H.M.S. "ALAUNIA". 19.12.40

<u>At St. Johns, Nfld</u>:

(xxii) H.M.C.S. "ST. CROIX" returning from an attempted sailing to the United Kingdom arrived St. Johns, Nfld. 13.12.40

(xxiii) H.M.S. "ROCKINGHAM" and H.M.S. "STANLEY" sailed from St. Johns for the United Kingdom. 14.12.40

(xxiv) H.M.C.S. "ST. CROIX" sailed for Halifax. 16.12.40

<u>At. St. John, N.B.</u>:

(xxv) H.M.S. "RANPURA" sailed for Halifax. 11.12.40

(xxvi) H.M.S. "ASCANIA" arrived. 12.12.40

(xxvii) H.M.S. "WELLS" and H.M.S. "NEWARK" arrived from Halifax. 19.12.40

. . . . . .

(xxviii) H.M.C.S. "SUNBEAM" arrived Three Rivers from Sorel, P.Q. 12.12.40

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(xxix) H.M.C.S. "LOOS" sailed from Sorel, P.Q. accompanied by Icebreaker "N.B. McLEAN", arriving Three Rivers on the same day. 13.12.40

(xxx) H.M.C.S. "CHAMBLY" sailed from Montreal for Halifax. 14.12.40

(xxxi) H.M.S. "BITTERSWEET", H.M.C.S. "MOONBEAM" and H.M.C.S. "CHAMBLY" arrived Three Rivers.15.12.40

(xxxii) H.M.S. "READING" and H.M.S. "ROMSEY" arrived United Kingdom. 15.12.40

(xxxiii) H.M.S. "VOLTAIRE" arrived Bermuda from Halifax. 16.12.40

(xxxiv) H.M.C.S. "FLEUR DE LIS" with Motor Torpedo Boat No. 1 sailed from Mulgrave for Halifax. 16.12.40

(xxxv) H.M.S. "BITTERSWEET", H.M.C.S. "CHAMBLY", H.M.C.S. "LOOS", H.M.C.S. "SUNBEAM" and H.M.C.S. "MOONBEAM", accompanied by the Icebreaker "N.B. McLEAN" sailed from Three Rivers for Quebec. 16.12.40

(xxxvi) H.M.C.S. "CHAMBLY", H.M.C.S. "LOOS", H.M.C.S. "SUNBEAM", H.M.C.S. "MOONBEAM" and H.M.S. "BITTERSWEET" arrived Quebec. 17.12.40

(xxxvii) H.M.S. "WINDFLOWER" and H.M.S. "TRILLIUM" arrived United Kingdom. 17.12.40 (N.B. These are the first Royal Navy corvettes to arrive in England).

(xxxviii) H.M.C.S. "MACSIN", which had been held at Argentia, Nfld., due to adverse weather, sailed for St. Johns, Nfld. 18.12.40

(b) Convoys -

(i) On the 12th and 14th December, respectively, the Bermuda (19) and the Halifax (14) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "ALAUNIA". The combined convoy sailed under the ocean escort of H.M.S. "RANPURA". The 33 vessels in the convoy consisted of 14 British, 9 Norwegian, 6 Dutch, 2 Swedish and 2 Greek, all of which were bound for the United Kingdom. 12.12.40

(ii) On the 15th December a Slow Convoy left Sydney, N.S. The 15 ships consisted of 10 British, 3 Norwegian and 2 Greek, all of which were bound for the United Kingdom. 15.12.40

(iii) On the 16th and 18th December, respectively, the Bermuda (6) and the Halifax (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "COMORIN". The combined convoy sailed under the ocean escort of H.M.S. "HEPATICA". . The 24 vessels

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(xxix) H.M.C.S. "LOOS" sailed from Sorel, P.Q. accompanied by Icebreaker "N.B. McLEAN", arriving Three Rivers on the same day. 13.12.40

(xxx) H.M.C.S. "CHAMBLY" sailed from Montreal for Halifax. 14.12.40

(xxxi) H.M.S. "BITTERSWEET", H.M.C.S. "MOONBEAM" and H.M.C.S. "CHAMBLY" arrived Three Rivers. 15.12.40

(xxxii) H.M.S. "READING" and H.M.S. "ROMSEY" arrived United Kingdom. 15.12.40

(xxxiii) H.M.S. "VOLTAIRE" arrived Bermuda from Halifax. 16.12.40

(xxxiv) H.M.C.S. "FLEUR DE LIS" with Motor Torpedo Boat No. 1 sailed from Mulgrave for Halifax. 16.12.40

(xxxv) H.M.S. "BITTERSWEET", H.M.C.S. "CHAMBLY", H.M.C.S. "LOOS", H.M.C.S. "SUNBEAM" and H.M.C.S. "MOONBEAM", accompanied by the Icebreaker "N.B. McLEAN" sailed from Three Rivers for Quebec. 16.12.40

(xxxvi) H.M.C.S. "CHAMBLY", H.M.C.S. "LOOS", H.M.C.S. "SUNBEAM", H.M.C.S. "MOONBEAM" and H.M.S. "BITTERSWEET" arrived Quebec. 17.12.40

(xxxvii) H.M.S. "WINDFLOWER" and H.M.S. "TRILLIUM" arrived United Kingdom. 17.12.40 (N.B. These are the first Royal Navy corvettes to arrive in England).

(xxxviii) H.M.C.S. "MACSIN", which had been held at Argentia, Nfld., due to adverse weather, sailed for St. Johns, Nfld. 18.12.40

(b) Convoys -

(i) On the 12th and 14th December, respectively, the Bermuda (19) and the Halifax (14) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "ALAUNIA". The combined convoy sailed under the ocean escort of H.M.S. "RANPURA". The 33 vessels in the convoy consisted of 14 British, 9 Norwegian, 6 Dutch, 2 Swedish and 2 Greek, all of which were bound for the United Kingdom. 12.12.40

(ii) On the 15th December a Slow Convoy left Sydney, N.S. The 15 ships consisted of 10 British, 3 Norwegian and 2 Greek, all of which were bound for the United Kingdom. 15.12.40

(iii) On the 16th and 18th December, respectively, the Bermuda (6) and the Halifax (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "COMORIN". The combined convoy sailed under the ocean escort of H.M.S. "HEPATICA". The 24 vessels

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(iii) continued

in the convoy consisted of 19 British, 3 Greek, 1 Norwegian and 1 Swedish, all of which were Bound for the United Kingdom.

(iv) There were 4 independent trans-ocean sailings during the week, all of which were from the Atlantic Coast.

4. Works

(a) Eighty-nine D.E.M.S. inspections were carried out during the week at the following ports: Sydney (37), Halifax (33), St. John (17) and Esquimalt (2).

(b) The following vessels have been taken in hand for stiffening:

"BORGFRED" at Sydney
"BINTANG" at Halifax
"GARD" at Halifax

(c) Stiffening of the "FRONTENAC" and "CURACAO" at St. John has been completed.

(d) The "KEDOE" was armed with a 4-in. Breech Loading gun at Halifax.

(e) The degaussing equipment of 81 vessels was inspected in Canada during the week, 72 being reported as satisfactory and repairs having been carried out on the remainder.

(f) The British Ministry of Shipping reports the following degaussing activities in U.S. ports:

Ships Degaussed.....2
Repairs Carried out.....4
Ships in Hand for Degaussing.27
Repairs in Hand.....7

(g) H.M.C.S. "WETASKIWIN" which was launched July 18th, 1940, recently underwent trials.

(h) At the Davie Shipbuilding and Repairing Company, Lauzon, P.Q., the keels of Hulls No. 86 and 87 were laid.

(i) H.M.C.S. "PRINCE DAVID" is reported as being 99% completed.

(j) Temporary Officers' Accommodation at Admiralty House, Halifax, is to be built by Dockyard labour at an estimated cost of $13,000.00

(k) The extension to the Dockyard Jetty at Esquimalt which was commenced on March 6th, 1940, was completed on the 12th December, 1940, at an estimated cost of $105,000.00

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(1) The Department of Public Works called for tenders for the building of a new Sick Bay at Esquimalt at an estimated cost of $70,000.00

5. Stores

The equipment purchased by the Naval Stores amounted this week to $351,853.07

Spare parts for Colt Automatic Machine Guns, purchased by Naval Ordnance, amounted this week to $85,107.00.

6. General

(a) H.M.C.S. "WETASKIWIN" was taken over from contractors on December 17th at Esquimalt and commissioned as tender to H.M.C.S. "GIVENCHY".

(b) H.M.C.S. "CHAMBLY" was commissioned 18th December.

(c) The Director of Naval Personnel and the Commanding Officer, Volunteer Reserve, returned from their tour of R.C.N.V.R. Divisions and R.C.N. Barracks, Esquimalt, on Sunday, the 15th December. During this trip, formal inspections of Divisions were held and candidates for Probationary Sub-Lieutenants, R.C.N.V.R., were interviewed. The Divisions visited were -- Kingston, Toronto, Hamilton, Windsor, London, Port Arthur, Winnipeg, Regina, Saskatoon, Edmonton, Calgary and Vancouver as well as R.C.N. Barracks and Hatley Park.

(d) The former Dunsmuir estate near Esquimalt, Hatley Park, has been taken over by the Department of National Defence and was commissioned on Friday, the 13th December, as H.M.C.S. "ROYAL ROADS". Steps are now being taken to convert the property to an Officers' Training Establishment accommodating one hundred Probationary Sub-Lieutenants, R.C.N.V.R., and the necessary staff. Acting Commander J.M. Grant, R.C.N., Temporary, has been appointed in command and Lieutenant R.A. Webber, R.C.N., as Executive Officer. Additional Officers will be appointed for training and instructional duties as required. It is expected that the first class of officers will commence their thirteen weeks' course about the 15th January.

(e) During the last week the quarters of the Ottawa Division, R.C.N.V.R., were destroyed by fire and water damage and had to be evacuated. Temporary accommodation for Divisional office has been provided in the basement of Naval Service Headquarters, pending new quarters being found.

Chiefs of Staff Committee
21st December, 1940

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COPY NO. 1

SECRET

DEPARTMENT OF NATIONAL DEFENCE.

H. Q. S. 5199-U, Vol. 4.

Ottawa, 28th December 1940.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 60.

(For week ending 28th December)

Naval Services.

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 26th, 1940:

	Officers	Ratings	TOTAL
R. C. N.	257	2566	2823
R. C. N. R.	513	2844	3357
R. C. N. V. R.	911	7700	8611
T O T A L	1681	13110	14791
Increase -			176

(b) Recruiting Activities from December 19th, 1940, to December 26th, 1940:

	Officers	Ratings	TOTAL
R. C. N.	1	92	93
R. C. N. R.	3	29	32
R. C. N. V. R.	2	72	74
T O T A L	6	193	199

D I S C H A R G E S

(a)	Medically Unfit	3
(b)	Other Reasons	17
(c)	Casualties (See Section II)	3
	T O T A L	23

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
117	1064	1181

2. Casualties.

(a) Thomas C. Wormworth, A.B., O.N. 3201, R.C.N.; missing, believed killed on war service overseas.

(b) Lorne Mackay Russell, A.B., O.N. A.3007, R.C.N. R.; killed in motor accident - 23rd December, 1940.

(c) Ralph Thomas Shelley, A.B., O.N. V. 13261, R.C.N. - V.R.; lost overboard while serving on H.M.C.S. "Vison" -- 21st December, 1940.

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	14	257	271
Other Deaths.....	0	15	15
	14	272	286
Wounded or Injured.....	1	39	40

3. Operations.

(a) Ships - "At Halifax":

- Departures -

(i) H.M.S. "Richmond", H.M.S. "Newport" and H.M.S. "Salisbury" for St. John's, Nfld. 19.12.40

(ii) H.M.C.S. "Restigouche", H.M.C.S. "St. Francis", H.M.C.S. "Columbia" and H.M.C.S. "Assiniboine" to carry out sweep for reported raider in Western Atlantic. 22.12.40

(iii) H.M.S. "Laconia" escorting Convoy HX 98. 23.12.40

(iv) H.M.S. "MALOJA" escorting Slow Convoy 17. 23.12.40

- Arrivals -

(v) Cable Ship "Cyrus Field". 21.12.40

(vi) H.M.S. "Rajputana" from convoy escort duties. 23.12.40

(vii) H.M.S. "Comorin" from ocean escort duties. 23.12.40

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(vii) H.M.C.S. "Cobalt", H.M.C.S. "Loos", H.M.C.S. "Chambly", H.M.C.S. "Sunbeam" and H.M.C.S. "Moonbeam". 24.12.40

(viii) H.M.C.S. "Columbia" and H.M.C.S. "St. Francis". 25.12.40

.....

(ix) H.M.S. "Richmond", H.M.S. "Newport" and H.M.S. "Salisbury" arrived St. John's, Nfld. 21.12.40

(x) H.M.S. "Trillium", the second corvette built in Canada for the Admiralty, arrived in the United Kingdom. 22.12.40

(xi) H.M.S. "Bittersweet", H.M.S. "Fennel" and Icebreaker "Saurel" sailed from Quebec for Pictou. 23.12.40

(xii) H.M.S. "Fennel," H.M.S. "Bittersweet" and Icebreaker "Saurel" returned to Quebec on December 23rd, owing to engine trouble in H.M.S. "Fennel".

(xiii) H.M.S. "Montclare", H.M.C.S. "Vison", H.M.C.S. "Elk" and H.M.C.S. "Husky" arrived Bermuda. 23.12.40

(xiv) H.M.S. "Richmond", H.M.S. "Newport" and H.M.S. "Salisbury" sailed from St. John's, Nfld. 24.12.40

(xv) H.M.C.S. "Reindeer", H.M.C.S. "Lynx", H.M.C.S. "Viernoe" and H.M.C.S. "Druid" sailed from Sydney for Halifax. 26.12.40

(xvi) Convoy HX 98 was reported returning to Sydney in order to sail at a later date.

(b) Convoys -

(i) On the 20th and 22nd December, respectively, the Bermuda (9) and the Halifax (20) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "Voltaire". The combined convoy sailed under the ocean escort of H.M.S. "Laconia". The 29 ships consisted of 20 British, 2 Norwegian, 2 Swedish, 2 Dutch, 1 Belgian, 1 Polish, and 1 Greek, all of which were bound for the United Kingdom. 20.12.40

(ii) On 23rd December a Slow Convoy left Sydney, N.S., under the ocean escort of H.M.S. "Maloja". The 20 vessels in the convoy consisted of 10 British, 5 Norwegian, 2 Swedish, 2 Dutch and 1 Polish, all of which were bound for the United Kingdom. 23.12.40

(iii) On 24th and 26th December, respectively, a convoy sailed from Bermuda and Halifax, details of which will be in next week's report.

(iv) There were 7 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 5 from the Pacific Coast.

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4. Works.

(a) Eighty D.E.M.S. inspections were carried out during the week at the following ports: Halifax (48), Sydney (20) and Saint John (12).

(b) Two vessels, the "Emma Bakke" and the "Hada County" have been taken in hand for stiffening, the first at Esquimalt and the latter at Saint John.

(c) The "Benjamin Franklin" and the "Hellen", which were being armed with 4-in. Breech Loading guns were completed at Esquimalt and Halifax, respectively.

(d) The Admiralty has given instructions that neutral ships are not to be supplied with armaments. Bridge protection, however, may be provided on request at owner's expense.

(e) The degaussing equipment of 77 vessels was inspected during the week. Sixty-nine were reported as satisfactory; repairs have been carried out on the remainder.

(f) The British Ministry of Shipping reported the following work in U.S. ports: ships degaussed - 5, repairs carried out - 10, ships in hand for degaussing - 27, repairs in hand - 3.

(g) H.M.S. "Ascania", H.M.S. "Wells" and H.M.S. "Newark" entered drydock at Saint John, N.B., for repairs on 21st December, 1940.

(h) Weighing of the anti-submarine net at Sydney was completed on December 23rd.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $313,808.22.

6. General.

(a) Two temporary barracks, one 60 ft. by 98 ft. and the other 75 ft. by 112 ft., together with the Lorne Club, were damaged by fire at Halifax during the night of December 25th.

(b) H.M.C.S. "Chignecto", a minesweeper, was successfully launched at the North Vancouver Shipyard on December 21st, 1940.

Chiefs of Staff Committee,

28th December 1940.

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 4

Ottawa, 11th January 1941.

Summary of Information Respecting
Departmental Activities

SUMMARY NO. 62

(For week ending 11th January)

Naval Services

1. Personnel

(a) The mobilised strength ofthe Royal Canadian Navy and Reserve Forces as at January 9th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	268	2585	2853
R.C.N.R.	512	2861	3373
R.C.N.V.R.	927	7782	8709
T O T A L.....	1707	13228	14935

Increase - 63

(b) Recruiting Activities from January 2nd, 1941, to January 9th, 1941:

R.C.N.	10	5	15
R.C.N.R.	2	23	25
R.C.N.V.R.	16	56	72
TOTAL.....	28	84	112

(c) D I S C H A R G E S

(a) Medically Unfit....16

(b) Other Reasons.....33

(c) Casualties..... 0

T O T A L..... 49

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(d) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
165	1235	1400

2. Casualties

(a) Nil

TOTAL CASUALTIES TO DATE

Killed on Active Service	14	258	272
Other Deaths.....	0	16	16
TOTAL.....	14	274	288
Wounded or Injured.....	1	46	47

3. Operations

(a) Ships -

At Halifax:

- Departures -

(i) Slow Convoy 18 escorted by H.M.S. "LACONIA". 2.1.41

(ii) Cable Ship "JOHN W. MACKAY". 2.1.41

(iii) H.M.S. "REVENGE" to escort HX 98 which sailed from Sydney. 2.1.41

(iv) H.M.S. "RANPURA" for Bermuda. 4.1.41

(v) H.M.S. "AUSONIA" escorting HX 101. 5.1.41

- Arrivals -

(vi) H.M.S. "MALOJA" from ocean escort duties. 8.1.41

.....

(vii) H.M.S. "BITTERSWEET" arrived Liverpool. 3.1.41

(viii) H.M.S. "FENNEL" arrived Liverpool. 4.1.41

(ix) H.M.C. Ships "ADVERSUS" and "ALACHASSE" sailed from Mulgrave for Halifax on January 3rd and arrived January 4th where they will be used as examination vessels.

(x) H.M.S. "MONTCLARE" arrived Bermuda from Halifax. 8.1.41

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(xi) H.M.C.S. "ELK" is now at Bermuda and H.M.C. Ships "HUSKY" and "VISON" are now at Trinidad operating under the orders of the Commander-in-Chief, America & West Indies Station.

(b) Convoys

(i) On 30th December and 1st January, respectively, the Bermuda (17) and the Halifax (22) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "MONTCLARE". The combined convoy sailed under the ocean escort of H.M.S. "COMORIN" which was covered by H.M.S. "REVENGE". The 39 ships consisted of 27 British, 4 Dutch, 4 Norwegian, 2 Swedish, 1 Greek and 1 Belgian, all of which were bound for the United Kingdom with the exception of 2 vessels, 1 British and 1 Norwegian, which were bound for Reykjavik (Iceland). 30.12.40

(ii) On 2nd January a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "LACONIA". The 30 vessels in the convoy consisted of 18 British, 5 Norwegian, 4 Greek and 3 Dutch, all of which were bound for the United Kingdom. (This is the Slow Convoy mentioned in last week's report). 2.1.41

(iii) On 2nd January a convoy made up of Bermuda and Halifax Sections, comprising 23 ships, sailed from Sydney under the escort of H.M.S. "REVENGE". This is the convoy which sailed from Halifax on 22nd December and returned to Sydney on 29th December. Six ships remained behind temporarily in order to have defects repaired and other miscellaneous causes. The 23 vessels in the convoy consisted of 18 British, 2 Dutch, 1 Polish, 1 Swedish and 1 Greek, all of which were bound for the United Kingdom. 2.1.41

(iv) On 3rd and 5th January, respectively, the Bermuda (12) and the Halifax (16) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 28 ships consisted of 17 British, 4 Norwegian, 2 Swedish, 2 Dutch, 1 Belgian, 1 Polish and 1 Greek, all of which were bound for the United Kingdom. 3.1.41

(v) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. Works

(a) Sixty-seven D.E.M.S. inspections were carried out during the week at the following ports: Halifax (58) and Sydney (9).

(b) Information concerning the arming of the following vessels has been received:

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"HERANGER" -- in hand for stiffening at Vancouver
"RUTH I" -- in hand for arming at Halifax
"EMMA BAKKE"- stiffening completed at Esquimalt
"BINTANG" -- 4 in. BL gun mounted at Halifax
"FRONTENAC"-- 4 in. BL gun mounted at Halifax

(c) Admiralty advises that it has been given to understand that 128 4-in. L/A guns have been purchased by "NORTRASHIP" to be delivered at Halifax for use on Norwegian ships. Particulars regarding the origin of these is being sought by Naval Service Headquarters.

(d) The degaussing equipment of 63 vessels was inspected in Canada during the week. Fifty-eight were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping reported the following work in U.S. ports:

Ships degaussed.....	3
Repairs carried out... .	3
Ships in hand for degaussing.	30
Ships in hand for repairs.	7

(f) The Minister of National Defence for Naval Service has definitely decided that the cost of the degaussing of Canadian ships should not be borne by the Royal Canadian Navy. The owners will, therefore, continue to pay installation costs, the wire only being supplied by the Canadian Government.

(g) H.M. Ships "FENNEL" and "BITTERSWEET", R.N. Corvettes, built in Canada, have arrived at Liverpool from Quebec, where they will complete being fitted out.

(h) H.M.C.S. "RACCOON" has been completed as an Armed Yacht and is now at Halifax

(i) Conversion work on H.M.C.S. "ST. ELOI", which was commenced at the beginning of October, 1940, was completed on December 27th at a cost of $51,374.

(j) Work on H.M.C.S. "GRIZZLY" will not be undertaken until further decision regarding conversion has been reached.

(k) The additional alterations and additions being carried out on H.M.C. Ships "COLUMBIA" and "ST. FRANCIS" will not affect the sailing date of the two vessels.

(l) Outstanding additions and alterations will be carried out on H.M.C. Ships "ASSINIBOINE" and "RESTIGOUCHE", as convenient while on service.

(m) H.M.C.S. "ST. CROIX" is undergoing repairs, alterations and additions.

5. Stores

(a) The equipment purchased by the Naval Stores amounted this week to $620,354.95.

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6. General

(a) The Tug "BERSIMIS", the property of the Department of Public Works, is being released for the winter months for charter to the Foundation Maritime Company, which urgently needs a tug at Halifax.

(b) H.M.C.S. "ST. ELOI", which sailed from Pictou on 28th December, 1940, has arrived at Halifax. She will be employed as a gate vessel at Shelburne, when the A/S net is laid there.

(c) There were two vessels successfully launched during the week:

(1) On January 9th at Kingston, H.M.C.S. "PRESCOTT", a corvette.

(2) On January 9th at Prince Rupert, H.M.C.S. "QUATSINO", a minesweeper.

Chiefs of Staff Committee,

11th January, 1941.

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE.

H. Q. S. 5199-U, Vol. 4.

Ottawa, 18th January 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 63.

(For week ending 18th January)

Naval Services.

1. Personnel.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 16th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	268	2588	2856
R.C.N.R.	516	2896	3412
R.C.N.V.R.	1005	7844	8849
T O T A L	1789	13328	15117

Increase - 182

(b) Recruiting Activities from January 9th, 1941, to January 16th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	0	3	3
R.C.N.R.	5	39	44
R.C.N.V.R.	78	70	148
T O T A L	83	112	195

DISCHARGES

(a) Medically Unfit	6
(b) Other Reasons	7
(c) Casualties	0
T O T A L	13

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
154	1304	1458

2. Casualties.

Nil.

Total Casualties to Date

	Officers	Ratings	TOTAL
Killed on Active Service	14	258	272
Other Deaths	0	16	16
	14	274	288
Wounded or Injured	1	46	47

3. Operations.

(a) Ships - "At Halifax":

- Departures -

(i) H.M.S. "MALOJA" for Bermuda. 10.1.41.

(ii) H.M.S. "VOLTAIRE" escorting HX 102. 11.1.41

(iii) H.M.S. "AURANIA" escorting Slow Convoy 19. 12.1.41

(iv) H.M.C. Ships "PRINCE HENRY" and " PRINCE DAVID" for Bermuda. 12.1.41

(v) H.M.S. "ALAUNIA" for Bermuda. 14.1.41

(vi) H.M.C. Ships "ASSINIBOINE", "RESTIGOUCHE", "COLUMBIA", "ST. FRANCIS" and H.M.S. "NEWMARKET". 15.1.41. They will later be accompanied by H.M.S. "RICHMOND".

(vii) H.M.S. "ROYAL SOVEREIGN" escorting Convoy HX 103. 16.1.41

- Arrivals -

(viii) H.M.S. "RAJPUTANA" from ocean escort duties. 11.1.41

(ix) H.M.S. "ALAUNIA" from ocean escort duties. 12.1.41

(x) H.M.S. "PORPOISE" from ocean escort duties. 13.1.41

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(xi) Cable Ship "JOHN W. MACKAY". 13.1.41

(xii) H.M.C. Ships "LAURIER", "VENOSTA" and "LISGAR" sailed from Sydney for Halifax on January 13th, 1941 and are at the present sheltering at Louisburg, N. S.

(xiii) H.M.S. "MALOJA" arrived Bermuda. 14.1.41

(xiv) H.M.C. Ships "PRINCE HENRY" and "PRINCE DAVID" arrived Bermuda. 15.1.41

(b) Convoys -

(i) On 3rd and 5th January, respectively, the Bermuda (12) and the Halifax (16) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 28 ships consisted of 17 British, 4 Norwegian, 2 Swedish, 2 Dutch, 1 Belgian, 1 Polish and 1 Greek, all of which were bound for the United Kingdom. 3.1.41

(ii) On 9th and 11th January, respectively, the Bermuda (14) and the Halifax (27) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RANPURA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 41 ships consisted of 25 British, 10 Norwegian, 2 Swedish, 2 Dutch, 1 Polish and 1 Belgian, all of which were bound for the United Kingdom. 9.1.41

(iii) On January 12th a Slow Convoy left Halifax, N. S., under the ocean escort of H.M.S. "AURANIA". The 28 vessels in the convoy consisted of 17 British, 6 Norwegian, 3 Greek, 1 Dutch and 1 Egyptian, all of which were bound for the United Kingdom. 12.1.41

(iv) A convoy sailed from Bermuda on 13th January and from Halifax on 15th January, detailsof which will be in next week's report. 13.1.41

(v) With reference to the convoy which sailed from Halifax on 22nd December and returned to Sydney on 29th December, comprising originally 29 ships, 3 vessels did not return but proceeded to the United Kingdom independently. These are 3 of the 6 ships which, it was stated in last week's report, had remained behind temporarily. The number of Atlantic Coast trans-ocean sailings for the week ending December 26th should, therefore, have been 5 instead of 2. The remaining 3 vessels which were not included in the convoy which sailed from Sydney on 2nd January remained behind and were included in subsequent convoys.

(vi) There were 3 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 1 from the Pacific Coast.

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CANADA

(xi) Cable Ship "JOHN W. MACKAY". 13.1.41

(xii) H.M.C. Ships "LAURIER", "VENOSTA" and "LISGAR" sailed from Sydney for Halifax on January 13th, 1941 and are at the present sheltering at Louisburg, N. S.

(xiii) H.M.S. "MALOJA" arrived Bermuda. 14.1.41

(xiv) H.M.C. Ships "PRINCE HENRY" and "PRINCE DAVID" arrived Bermuda. 15.1.41

(b) Convoys -

(i) On 3rd and 5th January, respectively, the Bermuda (12) and the Halifax (16) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 28 ships consisted of 17 British, 4 Norwegian, 2 Swedish, 2 Dutch, 1 Belgian, 1 Polish and 1 Greek, all of which were bound for the United Kingdom. 3.1.41

(ii) On 9th and 11th January, respectively, the Bermuda (14) and the Halifax (27) Sections of a Convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RANPURA". The combined convoy sailed under the ocean escort of H.M.S. "VOLTAIRE". The 41 ships consisted of 25 British, 10 Norwegian, 2 Swedish, 2 Dutch, 1 Polish and 1 Belgian, all of which were bound for the United Kingdom. 9.1.41

(iii) On January 12th a Slow Convoy left Halifax, N. S., under the ocean escort of H.M.S. "AURANIA". The 28 vessels in the convoy consisted of 17 British, 6 Norwegian, 3 Greek, 1 Dutch and 1 Egyptian, all of which were bound for the United Kingdom. 12.1.41

(iv) A convoy sailed from Bermuda on 13th January and from Halifax on 15th January, detailsof which will be in next week's report. 13.1.41

(v) With reference to the convoy which sailed from Halifax on 22nd December and returned to Sydney on 29th December, comprising originally 29 ships, 3 vessels did not return but proceeded to the United Kingdom independently. These are 3 of the 6 ships which, it was stated in last week's report, had remained behind temporarily. The number of Atlantic Coast trans-ocean sailings for the week ending December 26th should, therefore, have been 5 instead of 2. The remaining 3 vessels which were not included in the convoy which sailed from Sydney on 2nd January remained behind and were included in subsequent convoys.

(vi) There were 3 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 1 from the Pacific Coast.

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4. Works.

(a) Ninety-nine D.E.M.S. inspections were carried out during the week at the following ports: Esquimalt (3), Halifax (48), Saint John (22) and Sydney (26).

(b) Notification has been sent that 7 guns have been received in Halifax for the Norwegian Trade Commission for issue to Norwegian ships only.

(c) The Netherlands Ships "DEMPO" and "JOHAN VAN OLDENBARNEVELT", which are now in New York, have been taken up for trooping. As much work as possible in connection with defensive equipment will be done in New York before the vessels sail for Halifax.

(d) The supply of Thompson guns is almost exhausted at Halifax and information has been received that 100 more are being shipped from the U.S.A. It is expected that Smith and Wesson machine guns, to which reference has been made previously, will be available within the next few weeks.

(e) Information has been received concerning the arming of the following vessels:-

RUTH I 4-in. BL gun mounted at Halifax
MOSFRUIT in hand for stiffening and installation of 12-pdr. gun at Saint John.

(f) The degaussing equipment of 95 vessels was inspected in Canada during the week. Eighty-nine were reported as satisfactory; repairs have been carried out on the remainder.

(g) The British Ministry of Shipping reported the following work in U.S. ports:

Ships degaussed.....	3
Repairs carried out.....	7
Ships in hand for degaussing.....	33
Ships in hand for repairs	4

(h) In view of the recent Admiralty decision to discontinue the fitting of Forecastle and Quarterdeck coils except in certain circumstances and to replace by deperming, a signal was sent to the Admiralty requesting full details of equipment, machinery and instruments required, together with operating instructions. This was done with a view to investigating the possibilities and advantages of establishing deperming stations in Canada.

(i) The dredging which is being done off No's 1, 2 and 3 Wharves at Halifax is expected to be completed in a few days. This work was commenced on 3rd July, 1940, and will cost $43,000.

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(j) A tender was accepted for the construction of a Naval Store Building at Gaspe at a cost of $3,870. The building is to be completed in a month's time.

(k) The new Office Block at Halifax which was built at a cost of $64,880 was reported completed on 15th January 1941. Construction work was commenced on July 2nd, 1940.

(l) H.M.C.S. "ASSINIBOINE" is undergoing refitting.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $441,988.32.

6. General.

(a) On December 8th, 1940, three German raiders sailed from the Island of Nauru in the Pacific Ocean for the Marshall Islands. They were at that time named "NANYO MARU", "TOKYO MARU" and "NARVIK". These raiders are obtaining their requirements from a number of supply ships.

(b) The French Ship "MENDOZA" loaded cargo at Buenos Aires for Marseilles and proceeded on January 10th in an attempt to run the British Blockade. On sighting a British warship off port she proceeded to Montevideo, only to be intercepted and boarded when she again put to sea. However, as the ship was in territorial waters she was released. On January 15th "MENDOZA" was proceeding northward from Montevideo keeping close inshore.

Chiefs of Staff Committee,

18th January 1941.

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CANADA

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S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 4.

Ottawa, 25th January 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 64

(For week ending 25th January)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 23rd, 1941:-

	Officers	Ratings	TOTAL
R. C. N.	268	2590	2858
R. C. N. R.	526	2933	3459
R. C. N. V. R.	1048	7964	9012
T O T A L	1842	13487	15329

Increase - 212

(b) Recruiting Activities from January 16th, 1941, to January 23rd, 1941:-

	Officers	Ratings	TOTAL
R. C. N.	1	3	4
R. C. N. R.	10	41	51
R. C. N. V. R.	43	131	174
T O T A L	54	175	229

DISCHARGES

(a)	Medically Unfit	4
(b)	Other Reasons	12
(c)	Casualties (See Section II)	1
TOTAL		17

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
147	1440	1587

2. CASUALTIES.

(a) Johnson Douglas SITEMAN, Stoker I, R.C.N.R., O.N.A. 1882; died of Influenzal Encephalitis on 19th January, 1941.

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TOTAL CASUALTIES TO DATE.

	Officers	Ratings	TOTAL
Killed on Active Service	14	258	272
Other Deaths . . .	0	17	17
T O T A L	14	275	289
Wounded or Injured...	1	47	48

3. OPERATIONS.

(a) Ships -

" AT HALIFAX "

- Departures -

(i) H.M.S. "RAJPUTANA" and R.N. Corvettes "EYEBRIGHT", "ARROWHEAD" and "SPIKENARD" escorting HX 104. 21.1.41

(ii) H.M.C. Ships "VIERNOE" and "VENOSTA" for Saint John, N.B., where they are to be refitted and when completed will be employed minesweeping. 22.1.41

(iii) Cable Ship "CYRUS FIELD" for Sydney, N.B. 22.1.41

(iv) H.M.S. "RANPURA" escorting S.C. 20. 22.1.41

- Arrivals -

(v) H.M.S. "BITTERSWEET" from Liverpool. 16.1.41

(vi) H.M.S. "RANPURA" from convoy escort duties. 17.1.41

(vii) Cable Ship "JOHN W. MACKAY". 18.1.41

(viii) H.M.C.S. "LAURIER" from Canso. 18.1.41

(ix) H.M.S. "FENNEL" from Liverpool. 19.1.41

(x) H.M.C. Ships "VENOSTA",

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(vii) Cable Ship "JOHN W. MACKAY". 18.1.41

(viii) H.M.C.S. "LAURIER" from Canso. 18.1.41

(ix) H.M.S. "FENNEL" from Liverpool. 19.1.41

(x) H.M.C. Ships "VENOSTA", "LISGAR", "RAYON d'OR" from Louisburg where the first two sheltered from the weather. 19.1.41

(xi) H.M.S. "COMORIN". 19.1.41

(xii) H.M.S. "MONTCLARE" from ocean escort duties. 20.1.41

(xiii) H.M.S. "LACONIA" from ocean escort duties. 20.1.41

(xiv) H.M. Ships "RAMILLIES", "AUSONIA" and H.M. Submarine "SEVERN" for escort duties. 22.1.41

(xv) H.M.S. "ASCANIA" from Saint John, N.B. 23.1.41

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(xv) H.M.C. Ships "ASSINIBOINE", "RESTIGOUCHE", "COLUMBIA", "ST. FRANCIS" and H.M.S. "NEWMARKET" arrived St. John's, Nfld. 17.1.41

(xvi) H.M.C.S. "CARTIER" sailed from Saint John, N.B., to Yarmouth for the purpose of breaking ice in the channel. 17.1.41

(xvii) H.M.C.S. "LAURIER" arrived Canso from Sydney. 17.1.41

(xviii) H.M.S. "ALAUNIA" arrived at Bermuda from Halifax. 17.1.41

(xix) H.M.C.S. "RAYON d'OR" sailed from Sydney for Halifax. 18.1.41

(xx) H.M.C. Ships "ASSINIBOINE", "RESTIGOUCHE", "COLUMBIA" and "ST. FRANCIS" and H.M. Ships "NEWMARKET" and "RICHMOND" sailed from St. John's, Nfld. 18.1.41

(xxi) H.M.C.S. "CARTIER" returned to Saint John, N. B. from icebreaking duties. 19.1.41

(b) Convoys -

(i) On 13th and 15th January, respectively, the Bermuda (5) and the Halifax (7) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "MONTCLARE". The combined convoy sailed under the

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ocean escort of H.M.S. "ROYAL SOVEREIGN". The 12 ships consisted of 6 British, 3 Dutch, 2 Belgian and 1 Norwegian, all of which were bound for the United Kingdom. 13.1.41

(ii) On 21st January the Halifax Section 104, made up of 21 ships, sailed under the ocean escort of H.M. Ships "RAJPUTANA", "SPIKENARD", "ARROWHEAD" and "EYEBRIGHT". The 21 vessels in the convoy consisted of 17 British, 3 Dutch and 1 Swedish, all of which were bound for the United Kingdom. The Bermuda Section 104 proceeded on 21st January as an entirely separate convoy, details of which will be in next week's report. 21.1.41

(iii) On 22nd January a Slow Convoy sailed from Halifax, details of which will be in next week's report.

(iv) There were 6 independent trans-ocean sailings during the week, 5 from the Atlantic Coast and 1 from the Pacific Coast.

4. Works.

(a) Seventy-five D.E.M.S. inspections were carried out during the week at the following ports: Halifax (47), Saint John (16), Sydney (5) and Esquimalt (7).

(b) Admiralty have been requested to outline their policy with regard to the issue of gas masks to crews of merchant ships operating under the Ministry of Shipping.

(c) It is considered that the manufacture of Holman Projectors could be undertaken in Canada and in view of the present shortage of anti-aircraft equipment for D.E.M.S. Admiralty have been asked if such is considered practical and advantageous.

(d) Examination Service terminated at Sydney on 17th January, 1941.

(e) The Netherlands' Ships "DEMPO" and "JOHAN VAN OLDENBARNVELT" are expected to leave New York for Halifax on January 30th, and all work not completed in New York will be done in Halifax.

(f) Information regarding arming of the following ships has been received:

"VELOX" Stiffening completed at Esquimalt.
"HERANGER" " " " "
"NEW NORTHLAND" 4-in. BL gun mounted at Halifax.

(g) The degaussing gear of 71 vessels was inspected in Canada during the week. Sixty-two were reported as satisfactory; repairs have been carried out on the remainder.

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(h) The British Ministry of Shipping reported the following work in U.S. ports:

Ships degaussed.....	11
Repairs carried out....	7
Ships in hand for degaussing	27
Ships in hand for repairs	2.

(i) The degaussing officer to the staff of the Naval Officer in Charge, St. John's, Nfld., has been appointed.

(j) H.M.C.S. "ST. ELOI", recently completed Gate Vessel, has relieved H.M.C.S. "FESTUBERT" at Halifax for annual refit.

(k) Motor Vessel "THOS. J. CARROL" sailed from Halifax on January 9th and arrived at Bermuda on January 15th. She will be converted into a coil skidsweeper for the Commander-in-Chief, America and West Indies Station.

(l) H.M.C.S. "FRENCH" is undergoing annual refit.

(m) H.M.C.S. "SUDEROY 6" will be converted and fitted to carry out LL sweep.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $323,005.50.

6. General.

(a) H.M.S. "DIOMEDE" is to relieve H.M.C.S. "PRINCE ROBERT" on patrol off the West Coast of South America on or about February 6th. "PRINCE ROBERT" will then proceed to Esquimalt where she is expected to arrive February 26th, 1941.

(b) H.M.C. Ships "PRINCE HENRY" and "PRINCE DAVID" are still working up at Bermuda where they arrived from Halifax on January 15th. "PRINCE HENRY" has developed further steam pipe trouble and will not be available for patrol off the West Coast of South America until about the end of February.

(c) Eight Corvettes, built for the Royal Navy in Canada, have all left for and arrived in the United Kingdom. Two are still being completed at Liverpool and Halifax and will be sailed for the United Kingdom as soon as working up exercises have been completed.

(d) H.M.S. "FENNEL" was commissioned at Liverpool on 16th January, 1941.

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(e) H.M.S. "BITTERSWEET" was commissioned on 23rd January at Halifax.

(f) H.M.C.S. "MINAS", a minesweeper, was successfully launched at the Burrard Drydock, Vancouver, B.C., on 22nd January, 1941.

Chiefs of Staff Committee,

25th January 1941.

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Chiefs of Staff Committee,

25th January 1941.

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DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 4.

Ottawa, 1st February 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 65.

(For week ending 1st February, 1941)

Naval Services.

1. **PERSONNEL.**

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 30th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	268	2599	2867
R. C. N. R.	530	2968	3498
R. C. N. V. R.	1089	8176	9265
T O T A L	1,887	13,743	15,630

Increase - 301

(b) Recruiting Activities from January 23rd, 1941, to January 30th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	0	9	9
R. C. N. R.	4	37	41
R. C. N. V. R.	42	242	284
T O T A L	46	288	334

DISCHARGES

(a) Medically Unfit	8
(b) Other Reasons	24
(c) Casualties (See Section II)	1
T O T A L	33

(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
135	1420	1555

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2. CASUALTIES.

Alexander Nutter, Ordinary Seaman, R.C.N.V.R., O.N. V.9625; lost overboard from H.M.S. "JUPITER" -- 25th January, 1941.

.....

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	14	259	273
Other Deaths	0	17	17
T O T A L	14	276	290
Wounded or Injured.....	1	47	48

3. OPERATIONS.

(a) Ships -

" At Halifax "

- Departures -

(i) H.M.S. "ASCANIA" escorting HX 105. 25.1.41

(ii) H.M.S. "COMORIN" for Bermuda. 25.1.41

(iii) H.M. Submarine "PORPOISE" as ocean escort for HX 105 along with H.M.S. "ASCANIA". 26.1.41

(iv) H.M.S. "AUSONIA" for Bermuda. 27.1.41

- Arrivals -

(v) Cable Ship "CYRUS FIELD" from vicinity of Sydney. 26.1.41

(vi) H.M.C. SHIPS "VENOSTA" and "VIERNOE" arrived Saint John, N.B., from Halifax. 23.1.41

(vii) H.M.C. SHIPS "RESTIGOUCHE", "COLUMBIA", "ST. FRANCIS", "ASSINIBOINE" and H.M. SHIPS "RICHMOND" and "NEWMARKET" arrived in the United Kingdom. 26.1.41

(b) Convoys -

(i) On 21st January the Bermuda Section 104, which was mentioned in last week's report, made up of 36 ships, sailed under the ocean escort of H.M.S. "ALAUNIA". The 36 ships consisted of 26 British, 7 Norwegian and 3 Dutch, all of which were bound for the United Kingdom. 21.1.41

(ii) On 22nd January a Slow Convoy sailed from Halifax, mention of which was made in last week's report, under the ocean escort of H.M.S. "RANPURA". The 46 ships consisted of 30 British, 8 Norwegian, 3 Dutch, 3 Greek and 2 Polish, all of which were bound for the United Kingdom. 22.1.41

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(iii) On 25th January the Halifax (38) Section of a convoy sailed under the ocean escort of H.M. SHIPS "ASCANIA" and "PORPOISE". The 38 vessels in the convoy consisted of 30 British, 3 Dutch, 2 Norwegian, 1 Greek, 1 Belgian and 1 Swedish, all of which were bound for the United Kingdom. 25.1.41

(iv) There were 8 independent trans-ocean sailings during the week, 5 from the Atlantic Coast and 3 from the Pacific Coast.

4. WORKS.

(a) Fifty-five D.E.M.S. inspections were carried out during the week at the following ports: Halifax (48), Esquimalt (4) and Sydney (3).

(b) Information regarding arming, etc., has been received on the following ships:

"MOSFRUIT" 12-pounder from Canadian stock mounted at Saint John.

"EMPRESS OF RUSSIA" In hand for bridge protection, fitting of paravanes and 2 Vickers High Angle mounting at Esquimalt.

"HERANGER" In hand for stiffening and 2 Hotchkiss mountings at Esquimalt.

"EMPRESS OF ASIA" Bridge protection, High Angle gun protection and 2 machine gun mountings completed at Esquimalt.

(c) With regard to our inquiry from the Admiralty about the manufacture of Holman Projectors in Canada, advice has been received to defer action pending a decision regarding the adoption of a cordite projector now being developed.

(d) The Netherlands' Ships "DEMPO" and "JOHAN VAN OLDENBARNEVELT" will arrive in Halifax on January 31st.

(e) The degaussing equipment of 53 ships was inspected in Canada during the week. Forty-three were reported as satisfactory; repairs have been carried out on the remainder.

(f) The British Ministry of Shipping, New York, reported the following work in U.S. ports:

Ships degaussed..... 3
Repairs carried out.... 1
In hand for degaussing 32
In hand for repairs 7.

(g) H.M.C. SHIPS "STANDARD COASTER" and "REO II" are being converted to coil skid towing vessels.

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(h) The repairs which are being made to the Wharf and Fencing at the Gaspe Naval Station are reported to be progressing satisfactorily.

(i) Construction work on No. 3 Wharf at Halifax which is being carried out at a cost of $460,750 is reported to be 99% completed.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $300,292.42.

6. GENERAL.

(a) During the past several weeks heavy weather off the Atlantic Coast has caused considerable delay to shipping en route to convoy assembly and a number of vessels have been forced to return to port from convoy due to weather damage.

(b) The Schooner "BASTIS" went aground on White Point Ledge and was finally abandoned and set afire. The crew of six was rescued.

(c) H.M.S. "DIOMEDE" passed through the Panama Canal on January 29th on her way to relieve H.M.C.S. "PRINCE ROBERT" off the West Coast of South America.

(d) H.M.C.S. "AGASSIZ", a new Corvette, was commissioned on January 23rd, 1941, on West Coast.

(e) H.M.C.S. "OUTARDE", a minesweeper, was successfully launched and christened at North Vancouver on 27th January, 1941.

(f) H.M.C.S. "CHIGNECTO", a minesweeper, was christened at North Vancouver on 27th January 1941.

(g) H.M.C.S. "GEORGIAN", a minesweeper, was successfully launched at the Dufferin Shipbuilding Company, Toronto, on 28th January 1941.

Chiefs of Staff Committee,

1st February 1941.

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DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 4.

Ottawa, 8th February 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 66.

(For week ending 8th February 1941)

Naval Services.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 6th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	275	2602	2877
R. C. N. R.	530	2990	3520
R. C. N. V. R.	1131	8291	9422
T O T A L	1936	13883	15819

Increase - 189.

(b) Recruiting Activities from January 30th, 1941, to February 6th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	7	5	12
R. C. N. R.	1	28	29
R. C. N. V. R.	42	127	169
T O T A L	50	160	210

DISCHARGES

(a)	Medically Unfit	8
(b)	Other Reasons	12
(c)	Casualties (See Section II)	1
		21

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(c) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
116	1454	1570

2. CASUALTIES.

William E. CHALMERS, Chief E.R.A., R.C.N.R., O.N.A. 2167; died 30th January, 1941.

.....

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	14	259	273
Other Deaths.....	0	18	18
T O T A L	14	277	291
Wounded or Injured	1	47	48

3. OPERATIONS.

(a) Ships - "At Halifax"

- Departures -

(i) H.M.S. "RAMILLIES" escorting HX 106. 30.1.41

(ii) H.M.S. "MONTCLARE" escorting Slow Convoy 21. 31.1.41

(iii) H.M.S. "LACONIA" escorting Convoy HX 107. 3.2.41

(iv) H.M.S. "NEWARK" and H.M.S. "WELLS" for St. John's, Nfld. 4.2.41

- Arrivals -

(v) H.M.S. "NEWARK" and H.M.S. "WELLS" from Saint John, N.B. 31.1.41

(vi) H.M.S. "ROYAL SOVEREIGN". 1.2.41

(vii) H.M.S. "AURANIA" from ocean escort duties. 1.2.41

(viii) H.M.S. "SNOWBERRY" from local escort duties with Convoy HX 107. 3.2.41.

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(ix) H.M.S. "MALOJA" from ocean escort duties. 4.2.41

.....

(x) H.M.S. "VOLTAIRE" arrived Saint John, N.B. 30.1.41

(xi) H.M.S. "NEWARK" and "WELLS" sailed from Saint John, N.B., for Halifax. 30.1.41

(xii) H.M.S. "WELLS" returned to Halifax owing to heavy weather. 5.2.41

(xiii) H.M.S. "NEWARK" has had trouble with her condensors and is being towed back to Halifax.

(b) CONVOYS -

(i) On 28th and 30th January, respectively, the Bermuda (30) and the Halifax (11) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "MALOJA". The combined convoy sailed under the ocean escort of H.M.S. "RAMILLIES". The 41 ships consisted of 33 British, 7 Norwegian and 1 Dutch, all of which were bound for the United Kingdom. 28.1.41

(ii) On 31st January a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "MONTCLARE". The 38 vessels in the convoy consisted of 28 British, 4 Norwegian, 2 Greek, 2 Polish, 1 Dutch and 1 Yugoslavian, all of which were bound for the United Kingdom. 31.1.41

(iii) On 1st and 3rd February, respectively, the Bermuda (13) and the Halifax (17) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "AUSONIA". The combined convoy sailed under the ocean escort of H.M.S. "LACONIA". The 30 ships consisted of 22 British, 3 Dutch, 3 Norwegian and 2 Greek, all of which were bound for the United Kingdom. 1.2.41

(iv) There were 5 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 2 from the Pacific Coast.

4. WORKS.

(a) Ninety-four D.E.M.S. inspections were carried out during the week at the following ports: Halifax (63), Saint John (24), Esquimalt (4) and Sydney (3).

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(b) Information regarding arming, etc., has been received on the following ships:

"TOPDALSFJORD" - 4-in. QF Norwegian gun mounted at Halifax.
"MEXICO" - 4-in. QF Norwegian gun mounted at Halifax.
"BORGFRED" - 4-in. QF Norwegian gun mounted at Halifax.
"RENA" - 4-in. BL gun mounted at Halifax.

(c) Advice has been received from the Admiralty that henceforth Allied merchant ships are not to be accepted for stiffening or arming until their names have been submitted to Admiralty and approved.

(d) Regarding our previous reference to gas masks, information has now been received from the Admiralty to the effect that if the civilian type of respirators are available they should be issued to crews of ships sailing to the United Kingdom only. If these are not available, they will be supplied at the first port of call in the United Kingdom.

(e) The degaussing equipment of 89 ships was inspected in Canada during the week. Eighty-seven were reported as satisfactory; repairs have been carried on the remainder.

(f) The British Ministry of Shipping, New York, reported the following work in U.S. ports:

Ships degaussed	10
Repairs carried out..	8
In hand for DG	25
In hand for DG re-pairs.	9.

(g) A report has now been received regarding the degaussing range at Norfolk, U.S.A., and as it is apparently still in the experimental stage, a recommendation has been made to the Admiralty not to accept the findings of the present time.

(h) The dredging off Wharves No. 1, 2 and 3 at Halifax, which was commenced on 3rd July, 1940, is reported as completed at a cost of $43,000.

(i) Construction work on No. 3 Wharf at Halifax was completed on 1st February, 1941.

(j) H.M.C.S. "STAR XVI" is being converted and fitted to carry out LL sweep.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $160,502.40.

6. GENERAL

(a) It has been approved by Admiralty that the Dutch submarine O-15 should remain in Canadian waters for the purpose of A/S training.

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(b) W/T TRAFFIC - OTTAWA NAVAL W/T STATION.

	January, 1941	Monthly Average during 1940
"OUT" Messages.....	3189	-
"IN" Messages.....	2662	-
T O T A L	5851	4876

Total number of groups handled - 315,732.

Conditions deteriorated steadily during the month and were very poor during the last ten days, causing increased use of cable and telegraph.

15,139 groups over the previous record (July, 1939) were handled, although the actual number of messages was 36 less.

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(c) H.M.C.S. "ALBERNI" was commissioned on 4th February on West Coast after satisfactory trials.

Chiefs of Staff Committee,

8th February 1941.

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DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 4.

Ottawa, 15th February 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 67

(For week ending 15th February 1941)

Naval Services

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian and Navy and Reserve Forces as at February 13th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	280	2607	2887
R. C. N. R.	536	3013	3549
R. C. N. V. R.	1135	8390	9525
T O T A L	1951	14010	15961.
Increase		-	142

(b) Recruiting Activities from February 6th, 1941, to February 13th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	4	2	6
R. C. N. R.	7	32	39
R. C. N. V. R.	6	109	115
T O T A L	17	143	160

(c) Deductions from Strength:

		Officers	Ratings	TOTAL
Casualties		1	3	4
Discharges	(a) Med. Unfit	1	6	7
	(b) Other Reasons	0	11	11
T O T A L		2	20	22

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(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	3	3
To R.C.N. from R.C.N.V.R.	1	2	3
To R.C.N.R. from R.C.N.V.R.	0	4	4
To R.C.N.V.R. from R.C.N.R.	0	2	2
T O T A L	1	11	12

(e) Complement Borne at R.C.N.V.R. Divisions, NOT on Active Service:

Officers	Ratings	TOTAL
120	1449	1569

2. CASUALTIES.

(a) Harvey R. Harlow, Lieut.-Commander, R.C. N.V.R.; killed in airplane crash--5th February, 1941.

(b) Thomas W. Shaffer, Ch. M.M., R.C.N.R., O.N. A.540; killed by accidental fall--February 5th, 1941.

(c) Leo J. Fleming, A.B., R.C.N.R., O.N. A. 1141; lost overboard while serving on H.M.C.S. "SKEENA"--February 4th, 1941.

(d) George E. Gunter, Ord. Smn., R.C.N.V.R., O.N. V.6498; killed in accidental fall--February 8th, 1941.

(e) George J. Brown, Ord.,Smn., R.C.N.V.R., O.N. V.15154; injured in accident aboard H.M.C.S. "PRINCE ROBERT".

(f) Francis Ralston, Ord. Smn., R.C.N.V.R., O.N. V.8264; injured in fall at Vancouver.

TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	14	260	274
Other Deaths	1	20	21
T O T A L	15	280	295
Wounded or Injured. .	1	49	50

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3. OPERATIONS.

(a) Ships -

" At Halifax "

- Departures -

(i) H.M. Submarine "SEVERN" escorting S.C.22. 8.2.41

(ii) H.M.S. "MALOJA", H.M. Corvettes "MAYFLOWER" and "SNOWBERRY" escorting HX 108. 9.2.41

(iii) Cable Ship "CYRUS FIELD". 13.2.41

- Arrivals -

(iv) H.M.S. "NEWARK" in tow. 8.2.41

(v) H.M.S. "RAJPUTANA" from convoy escort duties. 8.2.41

(vi) H.M.S. "LETITIA" in a damaged condition due to grounding. 8.2.41

(vi) H.M.S. "AUSONIA" from convoy escort duties. 9.2.41

(vii) H.M. Ships "ASCANIA" and "RANPURA" from ocean escort duties. 10.2.41

(viii) H.M.S. "ALAUNIA" from escort duties. 11.2.41

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(ix) H.M.S. "AURANIA" arrived Bermuda from Halifax. 6.2.41

(x) H.M.C.S. "PRINCE DAVID" sailed from Bermuda as ocean escort for a convoy. 11.2.41

(xi) H.M.C. Ships "WETASKIWIN" and "AGASSIZ" sailed from Esquimalt on February 8th bound for Halifax. They were due to arrive at San Diego on February 12th and leave February 13th.

4. CONVOYS

(In this and future reports all destinations are the United Kingdom unless stated otherwise.)

(a) On 8th February a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "SEVERN". The 34 vessels in the convoy consisted of 16 British, 10 Norwegian, 6 Dutch, 1 Polish and 1 Greek, all of which were bound for the United Kingdom. 8.2.41

(b) On 7th and 9th February, respectively, the Bermuda (21) and the Halifax (28) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of

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H.M.S. "AURANIA". The combined convoy sailed under the ocean escort of H.M. Ships "MALOJA", "MAYFLOWER" and "SNOWBERRY". The 49 ships consisted of 39 British, 5 Norwegian, 2 Greek, 1 Dutch, 1 Polish and 1 Swedish. 7.2.41

(c) A convoy sailed from Bermuda on 11th February and from Halifax on 13th February, details of which will be in next week's report.

(d) There were 6 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 3 from the Pacific Coast.

4. WORKS.

(a) Sixty-six D.E.M.S. inspections were carried out during the week at the following ports: Halifax (56) and Saint John (10).

(b) Information regarding arming, etc., has been received on the following ships:

MOSDALE	90 m.m. gun mounted at Halifax.
DEMPO	4" BL gun mounted at Halifax.
JOHAN VAN OLDENBARNEVELT	4" B.L. gun mounted at Halifax.
EMPRESS OF RUSSIA	Bridge protection, shield for 3" H/A, protection for 2 M/C guns and paravane completed at Esquimalt.

(c) Two hundred Thompson guns have been received in Halifax from the U. S. A.

(d) The degaussing equipment of 63 ships was inspected in Canada during the week. Sixty were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in U.S. ports:

Ships degaussed	8
Repairs carried out	6
In hand for DG	19
In hand for repairs	7.

(f) H.M.C.S. "HAMILTON" which has recently been taken over by the Royal Canadian Navy is undergoing refit.

(g) Refit work on H.M.C.S. "FESTUBERT" was commenced on 12th February, 1941.

(h) The New Paint and Oil Store at Esquimalt which was commenced on 28th August, 1940, was completed on 8th February, 1941. The cost of construction is $56,768.00

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5. STORES.

(a) The equipment purchased by the Naval Stores amounted this week to $333,081.90.

(b) The equipment purchased by Naval Ordnance amounted this week to $1,469,584.00.

6. GENERAL.

(a) Severe weather conditions in the North Atlantic have caused damage to a number of vessels during the past month. Several have been forced to leave east-bound convoys for repairs while others have been severely pounded en route to Halifax from U. S. A. ports. During the past week the British Ship "KERVEGAN" (ex-French) and the Norwegian ship "CISS" foundered due to severe weather conditions.

(b) Some activity is reported among German and Italian ships in Eastern South American ports. The "PORTLAND", which sailed from Talcahuano, Chile, on January 30th, has not been reported.

(c) H.M.C.S. "ALBERNI" completed her acceptance trials and was commissioned on February 4th.

Chiefs of Staff Committee,

15th February 1941.

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DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 4.

Ottawa, 22nd February 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY No. 68.

(For week ending 22nd February)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 20th 1941:-

	Officers	Ratings	TOTAL
R. C. N.	282	2609	2891
R. C. N. R.	545	3060	3605
R. C. N. V. R.	1141	8534	9675
T O T A L	1968	14203	16171
I N C R E A S E			210

(b) Recruiting Activities from February 13th, 1941, to February 20th, 1941:-

	Officers	Ratings	TOTAL
R. C. N.	3	1	4
R. C. N. R.	9	47	56
R. C. N. V. R.	6	159	165
T O T A L	18	207	225

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties	0	2	2
Discharges (a) Med. Unfit	1	6	7
(b) Other Reasons	0	6	6
T O T A L	1	14	15

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(d) Transfers between Services:

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	3	3
To R.C.N.V.R. from R.C.N.R.	0	1	1
T O T A L	0	6	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL.
125	1490	1615

2. CASUALTIES.

(a) Herbert WOODLEY, Leading Steward, R.C.N.R., A. 876; died 16th February 1941 (Pulmonary Hemorrhage).

(b) Leslie C.B. SMITH, Ordinary Seaman, R.C.N.V.R., V. 8524; died 18th February, 1941 (Pneumonia).

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(c) Total Casualties to Date:

	Officers	Ratings	TOTAL.
Killed on Active Service	14	260	274
Other Deaths	1	22	23
T O T A L	15	282	297
Wounded or Injured . . .	1	49	50

3. OPERATIONS.

(a) Ships -

"AT HALIFAX"

- Departures -

(i) H.M.S. "ALAUNIA" for Bermuda. 13.2.41

(ii) H.M.S. "AUSONIA" escorting Convoy HX 109 with H.M.C.S. "ANNAPOLIS" as local escort. 13.2.41

(iii) H.M. Ships "WELLS" and "NEWARK" for St. John's, Nfld. 15.2.41

(iv) H.M.S. "RAJPUTANA" for Bermuda. 16.2.41.

(v) H.M.S. "ASCANIA" escorting Slow Convoy No. 23 with H.M.C.S. "COLLINGWOOD" as local escort. 18.2.41

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(vi) H.M.S. "CALIFORNIA", armed merchant cruiser, for Bermuda. 18.2.41

(vii) H.M.S. "RAMILLES" escorting Convoy HX 110. 19.2.41

- Arrivals -

(viii) H.M.C.S. "ANNAPOLIS" from local escort duties. 14.2.41

(ix) H.M.S. "CALIFORNIA". 14.2.41

(x) H.M.S. "AURANIA" from ocean escort duties. 14.2.41

(xi) H.M.S. "RAMILLES" from convoy escort duties. 17.2.41

(xii) Cable Ship "CYRUS FIELD". 18.2.41

(xiii) H.M.S. "WOLFE", armed merchant cruiser. 18.2.41

(xiv) H.M.S. "MONTCLARE" from ocean escort duties. 19.2.41

.....

(xv) H.M.C.S. "PRINCE DAVID" sailed from Bermuda on ocean escort and patrol duty. 11.2.41

(xvi) H.M.C. Ships "WETASKIWIN" and "AGASSIZ" arrived at San Diego on February 13th. Owing to the situation in the Far East they were recalled to Esquimalt and sailed from San Diego February 15th, arriving at Esquimalt February 19th, 1941.

(xvii) H.M.S. "ALAUNIA" arrived at Bermuda from Halifax. 15.2.41

(xviii) H.M. Ships "WELLS" and "NEWARK" arrived at St. John's, Nfld. 17.2.41

(xix) H.M.C.S. "PRINCE HENRY" sailed from Bermuda to carry out operations under the orders of the Commander-in-Chief, America and West Indies Station. 19.2.41.

(b) Convoys -

(i) On 11th and 13th February, respectively, the Bermuda (14) and the Halifax (23) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.C.S. "PRINCE DAVID". The combined convoy sailed under the ocean escort of H.M.S. "AUSONIA". The 37 ships consisted of 29 British, 4 Norwegian, 2 Belgian, 1 Swedish and 1 Dutch. (This is the convoy mentioned in last week's report). 11-2-41.

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(ii) On 18th February a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "ASCANIA". The 39 vessels in the convoy consisted of 22 British, 8 Norwegian, 4 Greek, 3 Dutch, 1 Polish and 1 Swedish. 18.2.41

(iii) On 17th and 19th February, respectively, the Bermuda (20) and the Halifax (25) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "ALAUNIA". The combined convoy sailed under the ocean escort of H.M.S. "RAMILLES". The 45 ships consisted of 29 British, 9 Norwegian, 6 Dutch and 1 Belgian. 17.2.41

(iv) There were 3 independent trans-ocean sailings during the week, 1 from the Atlantic Coast and 2 from the Pacific Coast.

4. WORKS.

(a) Seventy-one D.E.M.S. inspections were carried out during the week at the following ports: Halifax (57) and Saint John (14).

(b) Information regarding arming, etc., has been received on the following ships:-

EDITOR	in hand - mounting 4-in. BL gun at Halifax.
BELNOR	in hand - stiffening and mounting 4-in. Norwegian QF gun at Halifax.
LABETTE	in hand - stiffening and mounting 4-in. Norwegian QF gun at Halifax.
CITY OF CALCUTTA	in hand - mounting 12-pdr. High Angle Gun at Halifax.

(c) Arrangements have been made to salvage a 4-in. BL gun and a Hotchkiss gun from the "RAMON DE LARRINAGA", which foundered recently off U.S.A., and to send them to Halifax for re-issue.

(d) The degaussing equipment of 68 ships was inspected in Canada during the week. Fifty-eight were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in U.S.A. ports:

Ships degaussed	8
Repairs carried out	10
In hand for DG	18
In hand for repairs	9.

(f) In view of the uncertainty regarding the type of permanent degaussing to be adopted for R.C.N. Corvettes, it has been decided to proceed with semi-permanent installations at the present time.

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Arrangements have been made to have the coils prepared and machine wrapped prior to installation.

(g) H.M.C.S. "HAMILTON" which has suffered damages through grounding, is now undergoing repair work on a Time and Material Basis on Admiralty account. The work was commenced on 10th February, 1941.

(h) The keel of an anti-submarine boat, of the Fairmile Class, Hull No. 105, was laid on 8th February, 1941, at the Canadian Power Boat Corporation, Montreal.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $508,704.00.

6. GENERAL.

H.M.C.S. "DAWSON", a patrol vessel of the corvette type, was launched on 8th February, 1941, at the Victoria Machinery Depot, Victoria, B.C.

Chiefs of Staff Committee,

22nd February 1941.

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S E C R E T

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 4.

Ottawa, 1st March 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY No. 69.

(For week ending 1st March 1941)

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NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 27th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	284	2716	3000
R. C. N. R.	548	3113	3661
R. C. N. V. R.	1142	8766	9908
T O T A L	1974	14595	16569
	Increase	-	398

(b) Recruiting Activities from February 20th, 1941, to February 27th, 1941:-

	Officers	Ratings	TOTAL
R. C. N.	2	106	108
R. C. N. R.	4	52	56
R. C. N. V. R.	3	244	247
T O T A L	9	402	411

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL.
Casualties	0	2	2
Discharges (a) Med. Unfit	1	5	6
(b) Other Reasons	2	3	5
T O T A L	3	10	13

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	-	-	-
To R.C.N. from R.C.N.V.R.	3	4	7
To R.C.N.R. from R.C.N.V.R.	4	3	7

(e) Complement Borne at R.C.N.V.R. Divisions, Not on Active Service:-

Officers	Ratings	TOTAL
124	1511	1635

2. CASUALTIES.

(a) Henry C. LABRECHE, Ordinary Seaman, V.6426; missing, believed lost on D.E.M.S. "SIAMESE PRINCE" - 17th February 1941.

(b) John A. LOCKHART, Ordinary Seaman; missing, believed lost on D.E.M.S. "MAPLECOURT" - 6th February 1941.

Total Casualties to Date:-

	Officers	Ratings	TOTAL
Killed on Active Service	14	262	276
Other Deaths	1	22	23
T O T A L	15	284	299
Wounded or Injured . .	1	49	50

3. OPERATIONS.

(a) Ships -

- At Halifax -

(i) H.M.C.S. "COLLINGWOOD" arrived from local escort duties. 21.2.41

(ii) H.M.S. "AURANIA" sailed escorting Convoy H.X. 111. 22.2.41

(iii) H.M.S. "MONTCLARE" sailed for Reykjavik. 24.2.41

(iv) H.M.S. "ALAUNIA" arrived from ocean escort duties. 25.2.41

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(v) H.M.C.S. "PRINCE DAVID" arrived Bermuda. 22.2.41

(vi) H.M.C.S. "PRINCE HENRY" arrived Kingston, Jamaica. 23.2.41

(vii) H.M.C.S. "PRINCE HENRY" sailed from Kingston, Jamaica. 24.2.41

(viii) H.M. Ships "SNOWBERRY" and "MAYFLOWER" arrived United Kingdom. 26.2.41

(ix) H.M.C.S. "PRINCE HENRY" arrived Colon from Kingston, Jamaica. 26.2.41

(x) H.M.C.S. "PRINCE ROBERT" arrived Suva. 26.2.41

(b) CONVOYS-

(i) On 21st and 23rd February, respectively, the Bermuda (10) and the Halifax (15) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "RAJPUTANA". The combined convoy sailed under the ocean escort of H.M.S. "AURANIA". The 25 ships consisted of 20 British, 3 Norwegian, 1 Greek and 1 Swedish. 21-2-41

(ii) There were 7 independent trans-ocean sailings during the week, 3 from the Atlantic Coast and 4 from the Pacific Coast.

4. WORKS.

(a) Sixty-three D.E.M.S. inspections were carried out during the week at the following ports: Halifax (48), Saint John (10) and Esquimalt (5).

(b) Information regarding arming, etc., has been received on the following ships:

CITY OF CALCUTTA	12-pdr. High Angle gun mounted	at Halifax
LABETTE	4-in. Breech Loading gun mounted	at Halifax
EDITOR	4-in. Breech Loading gun mounted	at Halifax
FERM	4-in. Breech Loading gun mounted	at Halifax
BELNOR	4-in. Quick Firing Gun mounted (Norwegian Stock)	at Halifax.
AMARGOSA	In hand for stiffening	at Halifax
BLACK CONDOR	In hand for complete stiffening	at Halifax.

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The stock of 4-in. Breech Loading Low Angle guns for D.E.M.S. purposes is now completely exhausted.

(c) Two hundred Smith and Wesson guns have now been received in Halifax. These will be issued at the rate of 2 per ship to British and Allied merchant ships which are not otherwise armed with anti-aircraft machine guns.

(d) There remain now in Halifax about 130 Thompson gun equipments. It is intended to issue these at the rate of 5 per D.E.M. Ship until the supply is exhausted, in order that the Ministry of Supply, U.K., may receive them within a reasonable time.

(e) The degaussing equipment of 60 ships was inspected in Canada during the week. Fifty-four were reported as satisfactory; repairs have been carried out on the remainder.

(f) The British Ministry of Shipping, New York, reported the following work in U.S.A. ports:-

Ships degaussed	4
Repairs carried out	7
In hand for D.G.	21
In hand for repairs	7.

(g) In last week's report the keel of an anti-submarine boat was reported to have been laid at the Canadian Power Boat Corporation, Montreal. This item should read: the keel of a motor torpedo boat, Hull No. 105, was laid on 8th February, 1941, at the Canadian Power Boat Corporation, Montreal.

(h) Work on the Centre Block of the Royal Canadian Naval Barracks, which is being built at Halifax at a cost of $197,000, is reported to be 60% completed.

(i) Work on the new wharf at Graving Dock, Esquimalt, B.C., is now 80% completed. The cost of construction is estimated at $200,000.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $365,023.12.

Chiefs of Staff Committee,

1st March 1941.

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DEPARTMENT OF NATIONAL DEFENCE

H. Q. S. 5199-U, Vol. 4.

Ottawa, 8th March 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 70.

(For week ending 8th March)

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NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 6th 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	284	2751	3035
R. C. N. R.	551	3142	3693
R. C. N. V. R.	1160	8822	9982
T O T A L	1995	14715	16710
Increase -			141

(b) Recruiting Activities from February 27th 1941, to March 6th 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	1	32	33
R. C. N. R.	3	32	35
R. C. N. V. R.	18	75	93
T O T A L	22	139	161

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL.
Casualties		1	1	2
Discharges	(a) Med. Unfit	0	14	14
	(b) Other Reasons	0	4	4
T O T A L		1	19	20

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	7	7
To R.C.N.R. from R.C.N.V.R.	0	1	1
T O T A L	0	8	8

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

	Officers	Ratings	TOTAL.
----------	113	1535	1648

2. CASUALTIES.

(a) Lieutenant-Commander R.F. LAWSON, R.C.N. (Ret'd); died 24th February 1941.

(b) James C. CUMMINGS, Ordinary Seaman, V. 16123; missing, believed lost on D.E.M.S. "BLACK OSPREY" - 18th February 1941.

(c) John Wm. H. YADE, Ordinary Seaman, V. 6475; missing on D.E.M.S. "EMPIRE ENGINEER" which is gravely overdue.

(d) Allan H. SUTHERLAND, Signalman, V. 16036; suffered severe concussion aboard H.M.C.S. "WETASKIWIN" - 25th February 1941.

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TOTAL CASUALTIES TO DATE:-

	Officers	Ratings	TOTAL.
Killed on Active Service	14	263	277
Other Deaths	2	22	24
T O T A L	16	285	301
Wounded or Injured . . .	1	50	51

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(1) H.M.S. "WOLFE" escorting Slow Convoy 24. 28.2.41

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(ii) H.M.S. "RANPURA" escorting HX 112. 1.3.41.

(iii) H.M.S. "WORCESTERSHIRE" (Armed Merchant Cruiser) for Bermuda. 2.3.41.

(iv) H.M. Ships "ROYAL SOVEREIGN" and "BUXTON" (ex-U.S.A. vessel) for Bermuda. 2.3.41

(v) H.M.S. "SALOPIAN" (Armed Merchant Cruiser, ex-"SHROPSHIRE") for Bermuda. 4.3.41.

(vi) H.M.S. "ALAUNIA" escorting HX 113. H.M. Corvettes "FENNEL" and "BITTERSWEET" were in company with H.M.S. "ALAUNIA". 5.3.41.

- Arrivals -

(vii) H.M.S. "ROYAL SOVEREIGN" from troop transport. 28.2.41

(viii) H.M. S. "WORCESTERSHIRE" from U.K. 28.2.41.

(ix) H.M.S. "SALOPIAN" from U.K. 2.3.41.

(x) H.M.C. Ships "SKEENA" and "ST. LAURENT" from U.K. for refit and leave. 3.3.41

(xi) French Submarine "SURCOUF". 3.3.41.

(xii) H.M. Submarine "THUNDERBOLT" from U.K. 5.3.41.

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(xiii) H.M.C.S. "PRINCE ROBERT" sailed from Suva. 2.3.41.

(xiv) H.M.C.S. "PRINCE DAVID" sailed from Bermuda escorting BHX 113. 3.3.41.

(xv) H.M. Ships "BUXTON" and "WORCESTERSHIRE" arrived Bermuda on 4th March. "BUXTON" was in difficulty off Bermuda but later arrived safely.

(xvi) H.M.S. "ROYAL SOVEREIGN" arrived Bermuda from Halifax. 5.3.41.

(xvii) H.M.S. "LETITIA" went ashore on Litchfield Shoal in the approaches to Halifax. She was successfully salved by the Naval Tug "ST. ANNE", after having been given up as lost.

(b) Convoys -

(i) On 28th February a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "WOLFE". The 28 vessels in the convoy consisted of 13 British, 8 Norwegian, 4 Greek, 2 Dutch and 1 Belgian. 28.2.41

(ii) On 27th February and 1st March, respectively, the Bermuda (16) and the Halifax (26) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section,

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(ii) H.M.S. "RANPURA" escorting HX 112. 1.3.41.

(iii) H.M.S. "WORCESTERSHIRE" (Armed Merchant Cruiser) for Bermuda. 2.3.41.

(iv) H.M. Ships "ROYAL SOVEREIGN" and "BUXTON" (ex-U.S.A. vessel) for Bermuda. 2.3.41

(v) H.M.S. "SALOPIAN" (Armed Merchant Cruiser, ex-"SHROPSHIRE") for Bermuda. 4.3.41.

(vi) H.M.S. "ALAUNIA" escorting HX 113. H.M. Corvettes "FENNEL" and "BITTERSWEET" were in company with H.M.S. "ALAUNIA". 5.3.41.

- Arrivals -

(vii) H.M.S. "ROYAL SOVEREIGN" from troop transport. 28.2.41

(viii) H.M. S. "WORCESTERSHIRE" from U.K. 28.2.41.

(ix) H.M.S. "SALOPIAN" from U.K. 2.3.41.

(x) H.M.C. Ships "SKEENA" and "ST. LAURENT" from U.K. for refit and leave. 3.3.41

(xi) French Submarine "SURCOUF". 3.3.41.

(xii) H.M. Submarine "THUNDERBOLT" from U.K. 5.3.41.

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(xiii) H.M.C.S. "PRINCE ROBERT" sailed from Suva. 2.3.41.

(xiv) H.M.C.S. "PRINCE DAVID" sailed from Bermuda escorting BHX 113. 3.3.41.

(xv) H.M. Ships "BUXTON" and "WORCESTERSHIRE" arrived Bermuda on 4th March. "BUXTON" was in difficulty off Bermuda but later arrived safely.

(xvi) H.M.S. "ROYAL SOVEREIGN" arrived Bermuda from Halifax. 5.3.41.

(xvii) H.M.S. "LETITIA" went ashore on Litchfield Shoal in the approaches to Halifax. She was successfully salved by the Naval Tug "ST. ANNE", after having been given up as lost.

(b) Convoys -

(i) On 28th February a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "WOLFE". The 28 vessels in the convoy consisted of 13 British, 8 Norwegian, 4 Greek, 2 Dutch and 1 Belgian. 28.2.41

(ii) On 27th February and 1st March, respectively, the Bermuda (16) and the Halifax (26) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section,

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was under the escort of H.M.S. "CALIFORNIA". The combined convoy sailed under the ocean escort of H.M.S. "RANPURA". The 42 ships consisted of 28 British, 5 Norwegian, 5 Dutch, 2 Greek and 2 Swedish. 27.2.41

(iii) A convoy sailed from Bermuda on March 3rd and from Halifax on March 5th, details of which will be in next week's report.

(iv) There were 2 independent trans-ocean sailings during the week, both from the Atlantic Coast.

4. WORKS.

(a) Sixty-five D.E.M.S. inspections were carried out during the week at the following ports: Halifax (54), Saint John (9) and Esquimalt (2).

(b) Information regarding arming, etc., has been received on the following ship:-

"MARIONGA D. THERMIOTIS" - Bridge Protection at Saint John.

(c) Advice has been received that ten Low Angle guns which were purchased by the Dutch Mission from the United States are en route to Halifax for mounting in Dutch ships.

(d) The degaussing equipment of 62 ships was inspected in Canada during the week. Fifty-four were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in United States ports:

Ships degaussed	8
Repairs carried out	2
In hand for D.G.	26
In hand for repairs	7.

(f) Work on the extension to No. 3 Pier at Halifax, which was commenced on April 23rd, 1940, was reported completed on February 28th, 1941. The project is said to have cost $460,750.00.

(g) The dredging work at Wharves No. 1, 2 and 3 at Halifax was reported to be 99% completed.

(h) The Oil Storage Building, which is being built on the West Coast at a cost of $59,651. is reported to be 98% completed.

(i) Repair work and alterations carried out at H.M.C.S. "ROYAL ROADS", Hatley Park, Esquimalt, have been completed at a cost of $28,000.

5. Stores.

The equipment purchased by the Naval Stores amounted this week to $515,013.70.

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6. GENERAL.

(a) Traffic at Ottawa W/T Station - February 1941.

O U T	Messages	- 2808
I N	Messages	- 2203
T O T A L		5011.

The above involved the handling of 282,357 groups.

Conditions were poor throughout the month, particularly with Whitehall W/T Station (the Admiralty). Traffic, however, was handled without undue difficulty, though a higher proportion than usual of messages had to be dispatched by cable.

The launching of H.M.C.S. "QUINTE", a minesweeper, at the Burrard Dry Dock Company, North Vancouver, B.C., is scheduled for 8th March, 1941.

Chiefs of Staff Committee,

8th March 1941.

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S E C R E T

COPY NO. 1.

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 8.

Ottawa, 15th March 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 71.

(For week ending 15th March 1941)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 13th, 1941:-

	Officers	Ratings	TOTAL
R. C. N.	285	2755	3040
R. C. N. R.	556	3152	3708
R. C. N. V. R.	1168	8879	10047
T O T A L	2009	14786	16795
	Increase		- 85.

(b) Recruiting Activities from March 6th, 1941, to March 13th, 1941:

	Officers	Ratings	TOTAL
R. C. N.	1	4	5
R. C. N. R.	6	14	20
R. C. N. V. R.	8	69	77
T O T A L	15	87	102

(c) Deductions from Strength:

	Officers	Ratings	TOTAL.
Casualties (See Sec. II)	0	2	2
Discharges (a) Med. Unfit	0	10	10
(b) Other reasons	1	4	5
T O T A L	1	16	17

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(d) Transfers between Services:

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	0	0
T O T A L	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL.
120	1520	1640

2. CASUALTIES.

(a) William Alexander ROSE, Ordinary Seaman, V. 7785; missing, believed lost, on D.E.M.S. "PACIFIC" - 1st March 1941.

(b) John Wm. H. YADE, Ordinary Seaman, V. 6475; recorded in Report No. 70 as missing - now considered lost.

. . . . . .

Total Casualties To Date:

	Officers	Ratings	TOTAL.
Killed on Active Service	14	265	279
Other Deaths	2	22	24
T O T A L	16	287	303
Wounded or Injured . . .	1	50	51

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) U.S. Destroyer "TRUXTON" arrived Halifax and sailed on 8th March after loading special cargo.

(ii) H.M.S. "LACONIA" and H.M. Sub. "THUNDERBOLT" escorting Slow Convoy 25. 10.3.41

(iii) H.M.S. "CHITRAL" escorting HX 114. 11.3.41

(iv) H.M. Sub. "SEVERN". 11.3.41

- Arrivals -

(v) H.M.S. "CHITRAL" from Northern Patrol. 8.3.41

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(vi) H.M.S. "RAMILLIES" from convoy escort duties. 9.3.41.

(vii) H.M.S. "FORTH." 9.3.41.

(viii) H.M.S. "MALOJA" from Northern Patrol. 11.3.41.

(ix) H.M. Sub. "TRIBUNE" from U.K. 11.3.41.

(x) H.M.S. "VOLTAIRE" from Saint John, N.B. 12.3.41

(xi) H.M.S. "ASCANIA" from ocean escort duties. 13.3.41

.....

(xii) H.M.S. "SALOPIAN" arrived Bermuda from Halifax. 7.3.41

(xiii) H.M.C.S. "PRINCE HENRY" is now patrolling Callao area and will eventually come under orders of H.M.S. "DIOMEDE".

(b) Convoys -

(i) On 3rd and 5th March, respectively, the Bermuda (9) and the Halifax (18) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.C.S. "PRINCE DAVID". The combined convoy sailed under the ocean escort of H.M. Ships "ALAUNIA", "BITTERSWEET" and "FENNEL". The 27 ships consisted of 18 British, 5 Norwegian, 3 Dutch and 1 Greek. (This is the convoy mentioned in last week's report).

(ii) On 10th March a Slow Convoy sailed from Halifax under the ocean escort of H.M. Ships "LACONIA" and "THUNDERBOLT" (covered by H.M.S. "RODNEY"). The 34 vessels in the convoy consisted of 17 British, 10 Norwegian, 6 Greek and 1 Dutch.

(iii) On 9th and 11th March, respectively, the Bermuda (14) and the Halifax (27) Sections of a convoy left their assembly ports to effect junction at sea. The Bermuda Section, until junction with the Halifax Section, was under the escort of H.M.S. "WORCESTERSHIRE". The combined convoy sailed under the ocean escort of H.M. Ships "CHITRAL" and "RODNEY" (meeting at sea). The 41 ships consisted of 27 British, 9 Norwegian, 2 Greek, 1 Belgian, 1 Polish and 1 Dutch.

(iv) There were 4 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 2 from the Pacific Coast.

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4. WORKS.

(a) Eighty-nine D.E.M.S. inspections were carried out during the week at the following ports: Halifax (68), Saint John (17) and Esquimalt (4).

(b) Information regarding arming, etc., has been received on the following:

"HERANGER" Mounting 4-in. gun at Halifax.
"WEST AMARGOSA" Stiffening completed at Halifax.

(c) A twelve-pounder High Angle-Low Angle Gun and a Hotchkiss gun were removed from "FRANCES DAWSON", which is undergoing extensive repairs, and will be re-issued.

(d) The degaussing equipment of 84 ships was inspected in Canada during the week. Seventy-eight were reported as satisfactory; repairs have been carried out on the remainder.

(e) Plans are being discussed with the Admiralty regarding the installation of a deperming station at Halifax.

(f) The British Ministry of Shipping, New York, reported the following work in United States ports:

Ships degaussed	8
Repairs carried out	6
In hand for D.G.	22
In hand for repairs	4.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $320,744.58.

Chiefs of Staff Committee,

14th March 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Vol. 8.

Ottawa, 22nd March 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 72.

(For week ending 22nd March 1941)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 20th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	286	2757	3043
R. C. N. R.	559	3171	3730
R. C. N. V. R.	1173	8907	10080
T O T A L . . .	2018	14835	16853
Increase - - -			58

(b) Recruiting Activities from March 13th, 1941, to March 20th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	1	0	1
R. C. N. R.	3	24	27
R. C. N. V. R.	5	50	55
T O T A L	9	74	83

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL.
Casualties (See Sec.II)	0	2	2

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(c) (Continued)	Officers	Ratings	TOTAL.
Discharges (a) Med. Unfit	0	10	10
(b) Other reasons	0	13	13
T O T A L	0	25	25

(d) Transfers between Services:-

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	1	1
T O T A L	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL.
173	1566	1739

2. CASUALTIES.

(a) Gordon St. Clair HEMEON, A.B., R.C.N.R., O.N. A.2594; missing on S.S. "HOLYSTONE".

(b) George Arthur BURGESS, A.B., R.C.N.V.R., O.N. V.9320; missing on S.S. "HOLYSTONE", reported gravely overdue.

(c) Alex. R. BELL, A.B., R.C.N., O.N. 3400; wounded in air raid, 10th March, 1941.

Total Casualties to Date:

	Officers	Ratings	TOTAL.
Killed on Active Service	14	267	281
Other Deaths	2	22	24
T O T A L	16	289	305
Wounded or Injured . .	1	51	52

3. OPERATIONS.

(a) Ships -

" At Halifax "

- Departures -

(i) H.M.S. "KING GEORGE V" for patrol duties. 16.3.41

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(ii) H.M.S. "RAMILLIES" for Saint John, N.B. 16.3.41

(iii) H.M.S. "CALIFORNIA" escorting HX 115. H.M.C.S. "ST. CROIX" acted as local escort. 17.3.41

(iv) H.M.S. "MALOJA" for Bermuda. 19.3.41.

- Arrivals -

(v) H.M. Sub. "PORPOISE" from ocean escort duties. 15.3.41

(vi) H.M.S. "KING GEORGE V". 15.3.41

(vii) H.M.S. "WORCESTERSHIRE". 16.3.41

(viii) H.M.S. "ROYAL SOVEREIGN" from ocean escort duties. 19.3.41

(ix) H.M.S. "BUXTON" arrived from Bermuda at Halifax where she will be based as A/S Defence. 20.3.41

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(x) H.M.C.S. "PRINCE ROBERT" arrived at Esquimalt on March 16th from West Coast patrol and was escorted in by H.M.C.S. "AGASSIZ". H.M.C.S. "PRINCE ROBERT" has been continuously at sea for over 5 months, with steam on her main engines. A signal has been received from the Commander-in-Chief, American & West Indies Station, congratulating her on this achievement. She is at present undergoing a 30-day refit.

(xi) H.M.S. "BUXTON" sailed from Bermuda for Halifax. 17.3.41.

(xii) H.M.C. Ships "ALBERNI", "AGASSIZ" and "WETASKIWIN" (Corvettes) sailed from Esquimalt on March 17th for Halifax. They are due to arrive at San Pedro on March 21st for fuelling and proceed on March 22nd for the Panama Canal and Kingston, Jamaica.

(xiii) H.M.S. "RAMILLIES" arrived Saint John, N.B., for dry-docking. 17.3.41

(xiv) H.M.C.S. "PRINCE DAVID" arrived from patrol at Bermuda. 19.3.41.

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(b) Convoys -

(i) On 17th March a convoy sailed from Halifax under the ocean escort of H.M.S. "CALIFORNIA". The 32 vessels in the convoy consisted of 25 British, 2 Dutch, 2 Belgian, 1 Greek and 2 Norwegian.

N.B. - The Bermuda Sections of convoys are suspended until further orders.

(ii) There were 5 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 3 from the Pacific Coast.

4. WORKS.

(a) Seventy-six D.E.M.S. inspections were carried out during the week at the following ports: Halifax (59), Saint John (14) and Esquimalt (3).

(b) Information regarding arming, etc., has been received on the following:-

"POINT LOBOS". In hand for stiffening and arming with 4-in. gun at Esquimalt.

(c) In order to obtain early anti-aircraft protection for all ships the Admiralty propose to establish pools of arming personnel with machine guns at Halifax and Bermuda for embarkation in vessels not already provided with adequate defence, for the round voyage to U.K. ports.

(d) The degaussing equipment of 75 ships was inspected in Canada during the week. Sixty-seven were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in the United States ports: Ships degaussed - 6; Repairs carried out - 7; in hand for D.G. - 22; In hand for repairs - 6.

(f) H.M.C.S. "ST. CROIX" completed her refit on March 14th and is in full commission and operation at Halifax.

(g) The construction work on the Central Storehouse at Halifax, completion of which is anticipated for March 31st, 1941, is reported as being 95% completed.

(h) Repair work , being carried out on the Breakwater at Sydney will be held up until spring. It is now 95% completed.

(i) A contract was let for the construction of a Breakwater at Lawlor-MacNab Islands, Halifax, at a cost of $21,000. Work was commenced on March 7th, 1941.

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(j) The New Oil Storage Building at Esquimalt was completed on March 1st at a cost of $59,651.

(k) The hutments and galley constructed at Esquimalt at a cost of $63,000 were completed on March 15th, 1941.

(l) Construction work on the New Ordnance Building at Esquimalt is reported as being 97% completed. The cost of the construction is $130,000.

(m) An Open Drill Shed on which work was commenced December 12th, 1940, was completed on March 1st, 1940, at Esquimalt at a cost of $15,000.

(n) The necessary work in connection with the newly acquired Boom Net Inspection Ground at Esquimalt was commenced on March 8th, 1941.

(o) H.M.C. Ships "SKEENA", "ST. LAURENT" and "ANNAPOLIS" are undergoing refit at Halifax. Refit work on "SKEENA" and "ST. LAURENT" is scheduled to be completed on 17th May, 1941, while refit work on "ANNAPOLIS" is expected to be completed on 26th April, 1941.

(p) H.M.C. Ships "CHAMBLY", "COBALT", "COLLINGWOOD" and "ORILLIA" are fitting out and completing defects at Halifax.

(q) H.M.C.S. "LAURIER" is undergoing refit.

(r) H.M.C.S. "LOOS" is being converted to a boom gate vessel at the Halifax Shipyards, Ltd. Conversion work was commenced on 7th March, 1941.

(s) The keel of Minesweeper Hull No. 11 was laid at the Burrard Dry Dock Company on 11th March, 1941.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $237,184.36.

6. GENERAL.

(a) H.M.C.S. "KAMLOOPS", a patrol vessel, was commissioned on March 17th and placed under the operations of H.M.C.S. "GIVENCHY" on West Coast.

(b) H.M.S. "FORTH" which arrived at Halifax on March 9th will act as depot ship for submarines operating from Halifax.

(c) Enemy units were operating off the East Coast March 15 and 16th, approximately 400 miles from Newfoundland and 900 miles from Halifax.

(d) H.M.C.S. "PRINCE HENRY" is still patrolling off the West Coast of South America, where there are signs of German ships preparing to sail.

Chiefs of Staff Committee,
22nd March 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Vol. 8,

Ottawa, 29th March 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 73.

(For week ending 29th March)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 27th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	286	2764	3050
R. C. N. R.	563	3176	3739
R. C. N. V. R.	1217	8974	10191
T O T A L	2066	14914	16980
Increase - - - - - -			127

(b) Recruiting activities from March 20th, 1941, to March 27th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	0	3	3
R. C. N. R.	6	19	25
R. C. N. V. R.	45	94	139
T O T A L	51	116	167

(c) Deductions from strength:-

	Officers	Ratings	TOTAL.
Casualties (See Section II)	2	19	21

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(c) (Continued)

	Officers	Ratings	TOTAL.
Discharges (a) Med. Unfit	1	8	9
(b) Other Reasons	0	10	10
T O T A L	3	37	40

(d) Transfers between Services:-

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	6	6
To R.C.N.R. from R.C.N.V.R.	0	1	1
T O T A L	0	8	8

(e) Complement borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL.
224	1594	1818

2. CASUALTIES.

(a) Two officers and seventeen rating were lost when H.M.C.S. "OTTER" caught fire and sank off Sambro, N.S. on March 25th, 1941.

(b) Robert J. MILLS, Ordinary Seaman,R.C.N., O.N. 3885; missing after air raid at Plymouth, England.

(c) Melvin BANNING, Ordinary Seaman, R.C.N. V.R., O.N. V. 6364; missing on D.E.M.S. "EFFRA".

(d) Gordon A. DREW, Ordinary Seaman, R.C.N., O.N. 3877; wounded in air raid.

(e) Bill W. MURPHY, A.B., R.C.N.V.R., O.N. V. 5392; wounded in air raid.

.....

Total Casualties to Date.

	Officers	Ratings	TOTAL.
Killed on Active Service	16	286	302
Other Deaths	2	22	24
T O T A L	18	308	326

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	Officers	Ratings	TOTAL.
Wounded or Injured	1	53	54.

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.S. "WORCESTERSHIRE" and H.M. Submarine "PORPOISE" escorting Slow Convoy 26. 20.3.41.

(ii) H.M.S. "ASCANIA" escorting HX 116. 21.3.41

(iii) H.M.S. "ROYAL SOVEREIGN" on patrol duty. 22.3.41

(iv) H.M.S. "RAJPUTANA" and H.M. Submarine "TRIBUNE" escorting HX 117. 27.3.41.

- Arrivals -

(v) H.M.S. "WOLFE", armed merchant cruiser. 19.3.41

(vi) H.M.S. "BUXTON". 21.3.41.

(vii) H.M.S. "MONTCLARE" from Northern Patrol duties. 22.3.41.

(viii) Cable Ship "CYRUS FIELD". 24.3.41

(ix) H.M.S. "AURANIA". 25.3.41

(x) H.M.S. "SALOPIAN" from Bermuda. 25.3.41.

(xi) H.M. Submarine "TALISMAN". 26.3.41.

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(xii) H.M.C. Corvettes "WETASKIWIN", "ALBERNI" and "AGASSIZ" arrived at San Pedro March 21st and sailed the next day for Panama Canal en route to Halifax.

(xiii) H.M. Corvettes "FENNEL" and "BITTERSWEET" arrived United Kingdom. 21.3.41

(xiv) H.M.C.S. "PRINCE HENRY" arrived Callao March 24th and sailed March 25th for further patrol off the West Coast of South America.

(xv) H.M.C.S. "PRINCE DAVID" taken in hand at Bermuda on March 20th for the repair of minor defects, was completed on March 25th. She sailed from Bermuda for Trinidad. 27.3.41.

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(b) Convoys -

(i) On March 20th a Slow Convoy sailed from Halifax under the Ocean Escort of H.M. "WORCESTERSHIRE" and H.M. Submarine "PORPOISE" covered by H.M.S. "ROYAL SOVEREIGN". The 24 vessels in the convoy consisted of 17 British, 4 Norwegian, 1 Belgian and 2 Greek. 20.3.41

(ii) On 21st March a convoy sailed from Halifax under the ocean escort of H.M.S. "ASCANIA" covered by H.M.S. "ROYAL SOVEREIGN". The 28 vessels in the convoy consisted of 18 British, 4 Dutch, 4 Norwegian and 2 Greek. 21.3.41

(iii) A convoy sailed from Halifax on March 27th, details of which will be in next week's report. 27.3.41

(iv) There were 5 independent trans-ocean sailings during the week, 2 from the Atlantic Coast and 3 from the Pacific Coast.

4. WORKS.

(a) Seventy-six D.E.M.S. inspections were carried out during the week at the following ports: Halifax (56), Saint John (15), Esquimalt (5).

(b) Information regarding arming, etc. has been received on the following:-

"DIMITRIOS G. THERMIOTIS" Bridge protection completed at Sydney.

"DESPINA" Taken in hand for bridge protection at Saint John.

"POINT LOBOS" Stiffening completed at Esquimalt.

"CLEODORA". Taken in hand to mount 4" gun of the Netherlands stock at Halifax.

(c) A training establishment for D.E.M.S. ratings is being organised at Halifax. Arrangements are being made whereby extensive firing practice will be given to ratings in all types of weapons now constituting defensive equipment in merchant ships.

(d) The degaussing equipment of 70 ships was inspected in Canada during the week. Sixty-two were reported as being satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in the United States ports: ships degaussed - 6; repairs carried out - 4; in hand for D.G. - 21; in hand for repairs -5.

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(f) The Admiralty have advised that similar degaussing facilities may be granted to all Greek ships requisitioned by the Greek Government which are trading to Greece.

(g) The keel of a new corvette was laid at the Marine Industries Limited on 22nd March 1941.

(h) The keels of two minesweepers, hulls number 90 and 91, were laid at the Davie Shipbuilding and Repairing Company, Lauzon, P.Q.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $552,043.

6. GENERAL.

(a) The 6000-ton Italian freighter "VILLARPEROSA", moored in the Cape Far River at Wilmington, N.C., was recently ordered by the Navy Department to shift her moorings due to fear that she might scuttle and block the river channel. She has since been towed to a new mooring. Her main engines are described as "torn down".

(b) The German S.S. "LECH" at Rio de Janeiro and S.S. "MONSERRATE" at Callao were reported on March 20th to be loading coffee, hides, and wool, destined for Vladivostok.

Chiefs of Staff Committee,

29th March 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

C179024

H.Q.S. 5199-U, Vol. 8.

Ottawa, 5th April, 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 74.

(For week ending 5th April)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 3rd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	288	2,765	3,053
R.C.N.R.	507	3,181	3,748
R.C.N.V.R.	1,232	9,020	10,252
TOTAL . . .	2,087	14,966	17,053

Increase - 73

(b) Recruiting Activities from March 27th, 1941, to April 3rd, 1941:

	Officers	Ratings	TOTAL
R.C.N.	3	1	4
R.C.N.R.	4	9	13
R.C.N.V.R.	14	66	80
TOTAL . . .	21	76	97

(c) Deductions from Strength:

	Officers	Ratings	TOTAL
Casualties (See Section 2.)	0	1	1
Discharges (a) Med. Unfit	0	15	15
(b) Other Reasons	0	8	8
TOTAL	0	24	24

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	1	1
To R.C.N.V.R. from R.C.N.	1	0	1
TOTAL	1	4	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
291	1,620	1,911

2. CASUALTIES

(a) Henry W. ROBERTSON, Leading Stoker, R.C.N., X.41058; drowned while serving on H.M.S. "ARROWHEAD"--22nd March, 1941.

(b) Sidney R. WATSON, Ordinary Seaman, R.C.N.V.R., V.22015; wounded in action while serving with the Royal Navy--March, 1941.

. . . . . .

Total Casualties to Date

	Officers	Ratings	TOTAL
Killed on Active Service	16	287	303
Other Deaths . .	2	22	24
TOTAL	18	309	327
Wounded or Injured	1	54	55

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3. OPERATIONS.

(a) Ships -

- At Halifax -

Departures.

(i) H.M.S. "RAJPUTANA" and H.M. Submarine "TRIBUNE" escorting HX 117, with H.M.C.S. "ST. CROIX" acting as local escort. 27.3.41

(ii) H.M.S. "MONTCLARE" for Bermuda. 28.3.41.

(iii) H.M.S. "SALOPIAN" escorting Slow Convoy 27, with H.M.S. "BUXTON" acting as local escort. 30.3.41

(iv) H.M.S. "WOLFE" and French Submarine "SURCOUF" escorting HX 118. 31.3.41

(v) H.M.S. "RAMILLIES" for patrol duties. 1.4.41.

Arrivals.

(vi) H.M.C.S. "ST. CROIX" from local escort duties. 23.3.41

(vii) H.M.S. "CHITRAL" from ocean escort duties. 30.3.41

(viii) H.M.S. "RANPURA" from patrol duties. 30.3.41

(ix) H.M.S. "RAMILLIES". 31.3.41

(x) H.M.S. "LACONIA" from ocean escort duties. 31.3.41

(xi) H.M.S. "RODNEY" from ocean escort duties. 31.3.41

(xii) H.M.S. "REVENGE". 1.4.41

(xiii) H.M.S. "BUXTON". 2.4.41.

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(xiv) H.M.S. "RAMILLIES" sailed from Saint John, N.B. 30.3.41

(xv) H.M.S. "MONTCLARE" arrived Bermuda. 31.3.41

(xvi) H.M.C.S. "KAMLOOPS" arrived Esquimalt from trials. 31.3.41.

(xvii) H.M.C. Corvettes "WETASKIWIN", "AGASSIZ" and "ALBERNI" sailed from Colon. 2.4.41.

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(b) Convoys -

(i) On 27th March a convoy sailed from Halifax under the ocean escort of H.M. Ships "RAJPUTANA" and "TRIBUNE". The 43 vessels in the convoy consisted of 28 British, 8 Norwegian, 4 Dutch, 2 Greek and 1 Swedish. 27.3.41.

(ii) On 30th March a Slow Convoy sailed from Halifax under the ocean escort of H.M.S. "SALOPIAN" covered by H.M.S. "RAMILLIES". The 29 vessels in the convoy consisted of 13 British, 9 Greek, 6 Norwegian and 1 Polish. 30.3.41.

(iii) On 31st March a convoy sailed from Halifax under the ocean escort of H.M.S. "WOLFE" and French Submarine "SURCOUF" covered by H.M.S. "RAMILLIES". The 33 vessels in the convoy consisted of 26 British, 5 Norwegian, 1 Belgian and 1 Panamanian. 31.3.41

(iv) There were 5 independent trans-ocean sailings during the week, 1 from the Atlantic Coast and 4 from the Pacific Coast.

4. WORKS.

(a) Eighty-five D.E.M.S. inspections were carried out during the week at the following ports: Halifax (69), Saint John (14) and Esquimalt (2).

(b) Information regarding arming, etc., has been received on the following:

"VANJA"	4" Q.F. gun from Norwegian stock mounted	at Halifax
"CLEODORA"	4" gun from Netherlands' stock mounted	at Halifax
"WEST CADDOA"	Stiffening completed	at Halifax.
"DESPINA"	Bridge protection completed	at Saint John.
"OSCILLA"	In hand for arming	at Halifax
"TIBIA"	" " " "	at Halifax.
"CURACAO"	" " " "	at Halifax.
"WESTPORT"	" " " stiffening	at Halifax.
"IOANNIS FRANCOS"	" " " Bridge Protection	at Saint John.
"MICHAEL J. GOULANDRIS"	In hand for Bridge Protection	at Saint John

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(c) Until such time as plastic material made according to Admiralty specifications is available in Canada, it is proposed to continue with the best material available locally for all types of protection on merchant ships. The Admiralty advise that an R.C.N. Officer is being trained in manufacture and fitting of this material and will be sent as soon as available.

(d) The degaussing equipment of 80 ships was inspected in Canada during the week. Seventy-two were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in United States ports:

Ships degaussed	6
Repairs carried out	2
In hand for D.G.	26
In hand for repairs	7.

(f) During the week ending March 31st, 1941, the Trials Party of the Directorate of Technical Division has gradually been assembled at N.S.H.Q.; members have made the rounds of the shipbuilding yards of the St. Lawrence and the Great Lakes. Their reports and suggestions are receiving close attention.

(g) It is anticipated that several ships completed in the St. Lawrence Area will be in a position to be taken over by the Trials Party on behalf of Naval Service during the two weeks subsequent to April 15th. In these two weeks it is anticipated that 10 vessels will be accepted: 4 at Quebec, 1 at Sorel; 2 at Canadian Vickers; 1 at Kingston; 2 at Collingwood.

(h) After this date various other vessels will be ready for acceptance, but the schedule for the Trials Party cannot be foreseen.

(i) Arrangements have been made for the establishment of a barracks at Montreal to house the crews of approximately 4 corvettes. Vessels built by contractors above the Lachine Canal are to be delivered at Montreal, where they will be commissioned.

(j) A meeting held in the office of the Director of Technical Division resulted in a memorandum to C.N.S., making definite recommendations for the provision of minesweeping equipment in addition to that already sanctioned.

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(k) A study is being made of controlled mining, and also of the work in hand at Halifax concerning this subject.

(l) A special committee meeting was held for the establishment of a Chemical Warfare Committee, an urgent matter in view of the determination to establish an experimental field in Alberta.

(m) Thirty inventions were examined this week and opinions passed to Inventions Board concerning them.

(n) Construction of optical instruments has been held up due to temporary shortage of staff in the National Research Council Optics Laboratory.

(o) Investigation is under way into the feasibility of Radio-Telephony equipment as a means of secret communication between convoy escorts; research is being held, also, upon material for Naval ratings overcoats and for non-skid boot soles which will be safe upon steel decks.

(p) During the past week Gate Vessel "FESTUBERT" was placed in position at Halifax after refit; "ARLEAUX" was brought to Dockyard for refit, "ST. ELOI" taking her place.

(q) New contracts for the building of Fairmile Motor Launches have been awarded as follows:

Minett-Shields, Ltd.	- 1 vessel.
Greavette Boat Co., Ltd.	- 1 vessel.
Grew Boat Works, Penetang, Ontario.	- 2 vessels.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $167,352.68.

6. GENERAL.

(a) H.M.C.S. "THUNDER", a steam-propelled minesweeper, was launched at the Dufferin Shipbuilding Company, Toronto, on 22nd March, 1941.

(b) H.M.C.S. "PRINCE HENRY" captured two German ships the "MUNCHEN" and the "HERMONTHIS". Their crews set fire to both ships and they are believed to be a total loss. The capture took place on April 1st.

(c) During March wireless conditions at the Ottawa Naval W/T Station were generally poor, and a number trials were carried out with a view to improving communications.

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In spite of adverse conditions, however, there was a slight increase in traffic over that handled last month.

IN Messages	2,281
OUT Messages	2,851
T O T A L . .	5,132

Total Number of Groups . . 286,223.

Chiefs of Staff Committee,
5th April 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Volume 8.

Ottawa, 12th April 1941.

Summary of Information Respecting
Departmental Activities.

- SUMMARY NO. 75 -

(For week ending 12th April)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 10th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	288	2,800	3,088
R. C. N. R.	571	3,183	3,754
R. C. N. V. R.	1,233	9,105	10,338
TOTAL	2,092	15,088	17,180

Increase . . . . . 127.

(b) Recruiting Activities from April 3rd, 1941, to April 10th, 1941:-

	Officers	Ratings	TOTAL.
R. C. N.	1	31	32
R. C. N. R.	4	13	17
R. C. N. V. R.	3	104	107
TOTAL	8	148	156

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL.
Casualties (See Section 2)	2	6	8
Discharges (a) Med. Unfit	1	9	10
(b) Other Reasons	0	11	11
TOTAL	3	26	29

(d) Transfers between Services:-

	Officers	Ratings	TOTAL.
To R.C.N. from R.C.N.R.	0	2	2
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL.
311	1,604	1,915

2. CASUALTIES.

(a) Killed in action, 31st March, 1941: Pay. Sub-Lieut. Donald A. EDEN; Sub.-Lieut. Donald H. ROBB; Theodor E. RISING, Ord. Seaman, V.2459; Conn D. TEMPLETON, Ord. Seaman, V.30086; Charles M. MCGUIRE, Ord. Seaman, V.17069; Sidney R. WATSON, Ord. Seaman., V. 22015 (Previously listed as wounded) X.

(b) Arthur N. DEARDEN, Ord. Sman., V.8376 - Missing on D.E.M.S. "WESTERN CHIEF", 14th March 1941.

(c) William R. DRODY, Leading Seaman, A.2747 - Died 28th March 1941 - Meningitis.

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Total Casualties to Date.

	Officers	Ratings	TOTAL.
Killed on Active Service	18	292	310
Other Deaths	2	23	25
TOTAL	20	315	335
Wounded or Injured	1	53X	54

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3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M. Ships "AURANIA" and "REVENGE" escorting convoy HX 119A. H.M.S. "MONTCLARE" escorting HX 119B. H.M.C. Ships "COBALT" and "COLLINGWOOD" acted as local escorts. 6.4.41

(ii) H.M.S. "CHITRAL" escorting slow convoy 28. 9.4.41.

(iii) H.M.S. "RODNEY". 10.4.41.

(iv) H.M.C.S. "ST. CROIX". 10.4.41.

- Arrivals -

(v) H.M. Ships "ALAUNIA", "MONTCLARE", "CALIFORNIA" from escort duties. 5.4.41.

(vi) H.M.S. "CANTON" from Bermuda. 6.4.41.

(vii) H.M. Submarine "THUNDERBOLT" from northern patrol duties. 7.4.41.

(viii) H.M.S. "ROYAL SOVEREIGN" from patrol duties. 7.4.41

(ix) H.M.C. Ships "COBALT" and "COLLINGWOOD" from local escort duties. 6.4.41.

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(x) H.M.S. "MONTCLARE" sailed from Bermuda for Halifax. 2.4.41.

(xi) H.M.S. "CANTON" sailed from Bermuda for Halifax. 4.4.41

(xii) H.M.S. "RANPURA" arrived Bermuda from Halifax. 7.4.41

(xiii) H.M.S. "ALAUNIA" arrived Bermuda from Halifax. 9.4.41

(xiv) H.M.S. "MALOJA" arrived Saint John, N.B. 3.4.41

(xv) H.M.S. "MALAYA" arrived New York for refit. 6.4.41

(xvi) H.M.C. Corvettes "WETASKIWIN", "ALBERNI" and "AGASSIZ" arrived Kingston Ja., April 5th and sailed for Halifax. 7.4.41

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(b) Convoys -

(i) On April 6th, section A (29) and section B (20) of a convoy sailed from Halifax. Section A sailed under the Ocean Escort of H.M.S. "AURANIA" and section B under the Ocean Escort of H.M.S. "HUNTCLARE". Both sections were covered by H.M.S. "REVENGE". The 54 ships in the combined convoy consisted of 38 British, 9 Dutch, 4 Norwegian, 2 Swedish, 1 Belgian and 1 Greek. 6.4.41

(ii) On April 9th, a slow convoy sailed from Halifax, under the escort of H.M.S. "CHITRAL". The 32 vessels in the convoy consisted of 18 British, 5 Norwegian, 2 Dutch and 7 Greek. 9.4.41.

(iii) There were 7 independent trans-ocean sailings during the week, 4 from the Atlantic Coast and 3 from the Pacific Coast.

4. WORKS.

(a) Ninety-eight D.E.M.S. inspections were carried out during the week at the following ports: Halifax (77), Saint John (17) and Esquimalt (4).

(b) Information regarding arming etc., has been received on the following:

"JOANNIS FRANGOS" Bridge protection completed at Saint John.

"OBOILLA" 4-inch gun mounted at Halifax.

"SELBO" 90 m.m. gun mounted at Saint John.

"MICHAEL J. GOULANDRIS" Bridge protection completed at Saint John.

"INDO CHINOIS" In hand for bridge protection at Halifax.

"EMPIRE CHEETAH" In hand for mounting 12-pdr HA/LA. at Halifax.

"CURACAO" 4-inch gun mounted.

(c) The Admiralty have been requested to supply a close range A.A. Teacher for training D.E.M.S. personnel and have been advised that the necessary dome is in course of construction at Halifax.

(d) The shuttle service, by which two military personnel with machine guns per ship are supplied to each ship, is now in operation and embarkation has commenced at Halifax.

(e) The degaussing equipment of 92 ships was inspected in Canada during the week. Eighty were reported as satisfactory; repairs have been carried out on the remainder.

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(f) The British Ministry of Shipping, New York, reported the following work in United States ports:-

Ships degaussed	6
Repairs carried out	5
In hand for D.G.	47
In hand for repairs	11.

(g) Instructions have been received from the Admiralty that F and Q coils are not to be fitted in any merchant ships or tankers under 62 feet beam.

(h) Inspections of new construction have been carried out by members of the Technical Division at Kingston, Collingwood, Midland, Toronto, Port Arthur.

(i) The building of ships is proceeding satisfactorily at all these shipyards, though ice conditions give little chance of early trials at Great Lake ports; N.S. H.Q. will be advised of changes in conditions.

(j) Arrangements are being made for Trials Party to commence taking over completed vessels at Quebec on Monday, April 14th. It is expected that four Corvettes will be taken over at Quebec; three at Montreal; two at Collingwood; one at Kingston; between April 15th and May 8th.

(k) The Senior Technical Officer visited Halifax during the past week; no report has been received from this Sub-Division.

(l) Fifteen inventions were scrutinised, none of which had sufficient merit to indicate that further investigation was required.

(m) Samples of gold distinction lace were analyzed and at least one Canadian source of supply located.

(n) Sample amber glasses for A.A. gun's crew spectacles were subjected to examination and optical test to determine their suitability. As yet, no suitable glass has been submitted by the supplier.

(o) A friction machine is under construction for the wet or dry testing of brake lining specimens. It is proposed to compare Canadian materials with Admiralty Pattern brake lining for use on M/S winch brakes.

(p) Satisfactory progress has been made on the development of the photometric equipment for Professor Burr's scheme.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $1,981,920.61.

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6. GENERAL.

(a) H.M.C.S. "CHILLIWACK" was accepted by the Navy on April 8th, 1941, and placed under operations of H.M.C.S. "GIVENCHY" on the West Coast.

(b) H.M.C. Corvette "MORDEN" was launched on Saturday April 5th at Port Arthur.

(c) H.M.C. Corvette "MOOSE JAW" was launched at the Collingwood Shipyards Limited, Collingwood, Ontario, on April 9th.

(d) H.M.C.S. "NAPANEE", which was built by the Kingston Shipbuilding Company at Kingston, Ontario, will be ready for acceptance trails on April 21st.

CHIEFS OF STAFF COMMITTEE

12th April 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

H.Q.S. 5199-U, Volume 8.

Ottawa, 19th April 1941.

Summary of Information Respecting Departmental Activities.

- SUMMARY NO. 76 -

(For week ending 19th April)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 17th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	291	2,898	3,189
R.C.N.R.	574	3,200	3,774
R.C.N.V.R.	1,234	9,254	10,488
TOTAL.....	2,099	15,352	17,451

Increase - 271

(b) Recruiting Activities from April 10th, 1941, to April 17th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	3	102	105
R.C.N.R.	3	17	20
R.C.N.V.R.	2	158	160
TOTAL.....	8	277	285

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Section 2)	0	3	3
Discharges (a) Med. Unfit	0	2	2
(b) Other Reasons	1	8	9
TOTAL	1	13	14

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
315	1,573	1,888

2. CASUALTIES.

(a) Donald M. ROBERTSON, Able Seaman, O.N. 3302; killed on war service.

(b) Jack R. PETTIGREW, Stoker I, O.N. A.2383; killed on war service.

(c) Clifford H. GREENWOOD, Ordinary Telegraphist, O.N. V.9888; killed on war service.

(d) Ronald S. HAMLIN, Able Seaman, O.N. 3077; seriously wounded in action.

(e) James SAND, Chief E.R.A., O.N. X.41067; wounded in action.

(f) James A. NICHOL, Stoker I, O.N. A.2384; wounded in action.

(g) Raymond MURPHY, Ordinary Seaman, O.N. V.4200; wounded in action.

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Total Casualties to Date.

	Officers	Ratings	TOTAL.
Killed on Active Service	18	295	313

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Total Casualties to Date. (Cont'd)

	Officers	Ratings	TOTAL
Other Deaths	2	23	25
TOTAL	20	318	338
Wounded or Injured .	1	57	58

3. OPERATIONS

(a) Ships -

- At Halifax -

- Departures -

(i) H.M. Ships "ROYAL SOVEREIGN" and "LACONIA" escoring Convoy HX 120. 11.4.41

(ii) H.M.S. "REVENGE" escorted by H.M.S. "BUXTON" and H.M.C.S. "ST. CROIX". 15.4.41

(iii) H.M.S. "BUXTON" on local escort duties. 15.4.41.

(iv) H.M.S. "CALIFORNIA" escorting Convoy HX 121. 16.4.41

(v) H.M.S. "CANTON". 16.4.41

- Arrivals -

(vi) H.M.C.S. "ST. CROIX" from local escort duties. 12.4.41

(vii) H.M.C. Corvettes "AGASSIZ", "WETASKIWIN" and "ALBERNI". 13.4.41

(viii) H.M.S. "RAMILLIES" from ocean escort duties. 15.4.41

(ix) H.M.S. "DERBYSHIRE" from ocean escort duties. 17.4.41

(x) H.M. Submarine "TRIBUNE" from ocean escort duties. 15.4.41.

(xi) H.M.S. "RESOLUTION". 17.4.41

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(xii) H.M.S. "ALAUNIA" sailed from Bermuda for Halifax. 16.4.41

(xiii) H.M.S. "WORCESTERSHIRE" which was torpedoed April 3rd now arrived in harbour.

(xiv) H.M.S. "RAJPUTANA" was torpedoed April 13th and sunk off the coast of Iceland. Full details have not been received yet.

(b) Convoys -

(i) On April 10th a convoy sailed from Halifax under the Ocean Escort of H.M. Ships "LACONIA" and "ROYAL SOVEREIGN". The 39 vessels in the convoy consisted of 30 British, 5 Dutch, 2 Greek, 1 Norwegian and 1 Belgian. All vessels were bound for the United Kingdom except 1 Dutch for Iceland.

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Convoys (Cont'd)

(ii) On April 16th another convoy sailed from Halifax under the Ocean escort of H.M.S. "CALIFORNIA". The 48 vessels in the Convoy consisted of 39 British, 3 Dutch, 5 Norwegian and 1 Swedish.

(iii) During the week there were two independent trans-ocean sailings from the Atlantic Coast.

4. WORKS.

(a) Ninety-two D.E.M.S. inspections were carried out during the week at the following ports: Halifax (84), Saint John (8).

(b) Information regarding arming, etc., has been received on the following:

"TIBIA"	4" gun mounted	Halifax.
"INDO CHINOIS"	bridge protection completed	"
"SILVER WALNUT"	4" gun mounted	"

(c) Admiralty have been asked if any assistance can be rendered in Canada to augment the armament of British and Allied D.E.M.S. by the manufacture of the simpler forms of armament, such as Holman Projectors and Hand Grenades, P.A.C. Rockets, and apparatus of other forms of protection considered desirable.

(d) The degaussing equipment of 87 ships was inspected in Canada during the week. Eighty-three were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in hand at United States Ports:

Ships degaussed	7
Repairs carried out	10
In hand for D.G.	38
In hand for repairs	9.

(f) Naval Trials Party under the Director of Technical Division proceeded to Quebec April 13th, especting to complete Endurance and Full Power Trials on H.M.C. Ships "LEVIS", "MATAPEDIA", "ARVIDA", "PICTOU" and "RIMOUSKI" during the week ending 20th April. Upon completion of Quebec Trials, the party will split up and begin trials of H.M.C. Ships "CHICOUTIMI" and "DAUPHIN" at Montreal and "NAPANEE" at Kingston.

(g) A Confidential Book replacing the one which has been in use regarding LL Sweeps has been received from the Admiralty. Details for the fitting of "BANGOR" type Minesweepers is contained in it, and a study is being made with S.S.B. to arrange for Canadian-made equipment according to the information given.

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WORKS. (Cont'd)

(h) A full scale trial is being prepared on one Corvette for "invisible" lighting of ships by controlled flood-lighting. The research is being continued into the cases of Merchant ships as well. The C.P.R. has promised a scale model of the S.S. "DUCHESS OF RICHMOND" and with this it may be possible to make a full scale installation on one of the "DUCHESSES". Every opportunity is being taken by Professor Burr to advance the study of this subject at Halifax on actual Merchant ships.

(i) An inspection of Boom Defence Bases is underway. Instructional classes for 20 new officers for Boom Defence Service is being held at Halifax by Lieut. Durnford.

(j) The installation of A/S equipment in Corvettes and Minesweepers is proceeding on schedule, and keeping pace with the building programme.

(k) Equipment is still arriving from the United Kingdom, including spares for all types, while Loops and Harbour Defence installations are being proceeded with according to schedule.

(l) Research and trials of equipment for Radio Direction-Finding are being carried out in conjunction with National Research Council Scientists, in order to fit R.C.N. Ships with equipment produced in Canada.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $193,276.76.

6. GENERAL.

(a) H.M.C.S. "FRENCH" was in collision with S.S. "FARIDA" in dense fog off Halifax. She was holed near deck line, but returned safely to harbour with no casualties. "FARIDA" slightly damaged proceeded to Louisburg.

(b) H.M.C.S. "TANTRAMAR" is being purchased from Senator Black and will be employed as a harbour draft at Halifax.

(c) H.M.C.S. "ACADIA" is being converted for A/A Training.

(d) H.M.C.S. "SUDEROY VI" and "STAR XVI" have been commissioned as LL Sweepers at Halifax and H.M.C.S. "BEAVER" as an Armed Yacht at Halifax.

(e) H.M.C.S. "CHEDABUCTO", a minesweeper, was launched at the Burrard Dry Dock Co., Limited, Vancouver, B.C.

CHIEFS OF STAFF COMMITTEE

19th April 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

HQ.S. 5199-U, Volume 8.

Ottawa, 26th April 1941.

Summary of Information Respecting
Departmental Activities.

- SUMMARY NO. 77 -

(For week ending 26th April)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 24th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	291	2,911	3,202
R.C.N.R.	576	3,227	3,803
R.C.N.V.R.	1,228	9,397	10,625
TOTAL.....	2,095	15,535	17,630

Increase - 179

(b) Recruiting Activities from April 17th, 1941, to April 24th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	0	10	10
R.C.N.R.	2	30	32
R.C.N.V.R.	1	155	156
	3	195	198

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2.)	4	1	5
Discharges (a) Med. Unfit	0	8	8
(b) Other Reasons	3	3	6
TOTAL.....	7	12	19

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(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL.....	0	6	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
324	1,589	1,913

2. CASUALTIES

(a) Sidney J.L. BAILEY, Lieutenant, R.C.N.V.R.; missing on active service.

(b) Frank JOHNSTON, Midshipman, R.C.N.V.R.; missing on active service.

(c) Victor R. BUSSEREAU, Lieutenant (E), R.C.-N.V.R.

(d) Charles M. FISHER, Surg. Lieutenant, R.C.-N.V.R., missing on active service.

(e) Albert FORWARD, Ord. Seaman, V.2256; killed in air raid, London, 16th April, 1941.

(f) Thomas J. TIMMERMAN, Ordinary Seaman, R.C.N., 3765; wounded in air raid.

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Total Casualties to Date:

	Officers	Ratings	TOTAL
Killed on Active Service	22	296	318
Other Deaths	2	23	25
TOTAL	24	319	343
Wounded or Injured	1	58	59

OPERATIONS

(a) Ships -

- At Halifax -

- Departures -

(1) H.M.S. "RESOLUTION" for Philadelphia. 19.4.41.

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Ships (Cont'd)

(ii) H.M.S. "RANPURA" and H.M. Submarine "PORPOISE" escorting S.C. 28. 19.4.41

(iii) H.M.S. "ALAUNIA" escorting HX 122. 20.4.41

(iv) H.M.S. "RAMILLIES" on ocean escort duties. 21.4.41

- Arrivals -

(v) H.M.C.S. "ST. CROIX" from local escort duties. 18.4.41

(vi) H.M.S. "SALOPIAN" from ocean escort duties. 18.4.41

(vii) H.M.S. "CIRCASSIA" from ocean escort duties. 19.4.41

(viii) H.M.S. "BUXTON" from local escort duties. 20.4.41

(ix) H.M.S. "ALAUNIA" from Bermuda. 18.4.41

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(x) H.M.C.S. "PRINCE ROBERT" sailed from Esquimalt for the Western Pacific to act as Troop Convoy escort. 22.4.41.

(xi) H.M.C.S. "PRINCE DAVID" sailed from Trinidad to rendez-vous with H.M.S. "CARADOC" off Guadaloupe. 22.4.41

(xii) H.M.C.S. "VISON" sailed from Trinidad for Bermuda. 21.4.41

(xiii) H.M.S. "RESOLUTION" arrived at Philadelphia from Halifax for refit. 21.4.41

(b) Convoys -

(i) On April 19th, a Slow Convoy sailed from Halifax under the Ocean Escort of H.M. Ships "RANPURA" and "PORPOISE". The 46 vessels in the convoy were composed of 23 British, 9 Norwegian, 7 Greek, 1 Swedish, 4 Dutch, 1 Belgian and 1 Polish.

(ii) On April 20th, another Convoy sailed from Halifax under the Ocean Escort of H.M. Ships "ALAUNIA" and "RAMILLIES". The 28 vessels comprised 16 British, 8 Norwegian, 1 Panamanian, 1 Swedish, 1 Greek and 1 Dutch.

(iii) There were four independent trans-ocean sailings during the week: 1 from the Atlantic Coast and 3 from the Pacific Coast.

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4. WORKS

(a) One hundred and fifty-three D.E.M.S. inspections were carried out during the week at the following ports: Halifax (127), Saint John (22), Esquimalt (4).

(b) Information regarding arming, etc., has been received on the following:

"EMPIRE CHEETAH"	12-pdr. gun mounted	Halifax
"BELLEMINA"	Borfors " "	"
"SELBO"	In hand for mounting 90 MM gun	"

(c) Eighteen 3" Low Angle guns are now en route to Halifax. These guns have been purchased by the Norwegian Mission in the United States for arming their own ships. Details regarding the manufacture of plastic material for protection in merchant ships have now been received and are being held pending the arrival of an officer sent out by the Admiralty to supervise manufacture. It has been decided to pass to United States authorities all Admiralty communications pertaining to the defensive equipping of merchant ships.

(d) The degaussing equipment of 148 ships was inspected in Canada during the week. One hundred and thirty-seven were reported as satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following work in hand at United States Ports:

Ships degaussed	15
Repairs carried out	7
In hand for D.G.	38
In hand for repairs	9.

(f) All senior personnel of the Technical Division have been at Quebec, Montreal and Kingston during the past week, carrying out inspection and trials of New Construction building for R.C.N.

(g) Prior to Saturday, April 19th, successful Endurance Trials were completed on H.M.C. Ships "MATAPEDIA", "LEVIS", "RIMOUSKI" and "SHERBROOKE". Full Power Trials were successful on H.M.C. Ships "LEVIS" and "RIMOUSKI". Trials for the present week include: At Quebec: Full Powers--H.M.C. Ships "LEVIS", "ARVIDA" and "PICTOU"; At Montreal: Endurance & Full Power--H.M.C. Ships "CHICOUTIMI" and "DAUPHIN"; At Kingston: Endurance & Full Power--H.M.C. Ship "NAPANEE".

(h) It is not anticipated that any Acceptance Trials will be completed prior to the week commencing 27th of April.

(i) The institution of a Mobile Deperming Station in Canada has been approved. Plans are under way to proceed with the conversion of the "ROSS NORMAN" as the unit to be used for the purpose. All plans, equipment,

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and costs are being assumed as a Canadian commitment.

(j) The installation of timing and control equipment in "SUDEROY VI" and "STAR XVI" as LL Sweeps is now well under way.

(k) A simplified method for the production of Carley floats from inexpensive materials is under investigation.

(l) Research in connection with non-skid boot soles mentioned in a previous report has progressed favourably.

(m) The inspection of Boom Defence Bases as reported in last week's summary is being proceeded with. Operations at all bases progress satisfactorily, while plans for various local operations at three Stations are under consideration.

(n) H.M.C.S. "ACADIA" is being converted to an anti-aircraft training vessel. Conversion work commenced on April 6th and is expected to be completed on May 3rd, 1941.

(o) A buried cable is being laid from Portuguese Cove to Camperdown by the Department of Public Works at the estimated cost of $4,100.00. Work on this project started on April 7th, 1941.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $326,272.62.

6. GENERAL

(a) H.M.C.S. "GANANOQUE", a minesweeper, was launched at the Dufferin Shipbuilding Company, Toronto, Ontario, on Monday, April 21st, 1941.

CHIEFS OF STAFF COMMITTEE

26th April 1941.

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DEPARTMENT OF NATIONAL DEFENCE.

Hq.S. 5199-U, Volume 8.

Ottawa, 3rd May 1941.

Summary of Information Respecting Departmental Activities.

- SUMMARY NO. 78 -

(For week ending 3rd May)

NAVAL SERVICES.

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 1st 1941:

	Officers	Ratings	TOTAL
R.C.N.	293	2,909	3,202
R.C.N.R.	580	3,227	3,807
R.C.N.V.R.	1,248	9,494	10,742
TOTAL.....	2,121	15,630	17,751

Increase - 121

(b) Recruiting Activities from April 24th, 1941 to May 1st, 1941:

	Officers	Ratings	TOTAL
R.C.N.	2	0	2
R.C.N.R.	5	5	10
R.C.N.V.R.	20	111	131
TOTAL.....	27	116	143

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2.)	0	0	0
Discharges (a) Med. Unfit	0	12	12
(b) Other Reasons	1	9	10
TOTAL.....	1	21	22

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(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	2	2
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL.....	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
310	1551	1861

2. CASUALTIES.

(a) Colin F. DICKSON, Vict. Chief Petty Officer, R.C.N., 40385; wounded in air raid.

(b) Peter CARBONNEAU, Ord. Smn., R.C.N.V.R., V.3448; wounded 23rd April, 1941.

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TOTAL CASUALTIES. (TO DATE)

	Officers	Ratings	TOTAL
Killed on Active Service	22	296	318
Other Deaths	2	23	25
TOTAL	24	319	343
Wounded or Injured	1	60	61

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.S. "DERBYSHIRE" escorting HX 123. 25.4.41.

(ii) H.M.S. "RAMILLIES" on patrol and escort duties. 26.4.41

(iii) U.S. Destroyer "NIBLACK". 27.4.41.

(iv) H.M.S. "SALOPIAN" and H.M. Submarine "THUNDERBOLT" escorting S.C. 30. 29.4.41.

(v) H.M.S. "CIRCASSIA" escorting HX 124. 30.4.41.

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Ships (Cont'd)

(vi) H.M.S. "ROYAL SOVEREIGN" on patrol. 1.5.41.

- Arrivals -

(vii) H.M.S. "ASCANIA" from ocean escort duties. 25.4.41.

(viii) H.M. Submarine "TALISMAN" from ocean escort duties. 26.4.41.

(ix) H.M.S. "AURANIA" from ocean escort duties. 27.4.41.

(x) H.M.S. "REVENGE" from patrol duties. 28.4.41.

(xi) H.M.S. "WOLFE" from patrol duties. 28.4.41.

(xii) H.M.S. "ABERDEEN" from patrol duties. 29.4.41.

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(xiii) H.M.C.S. "PRINCE ROBERT" on patrol in the Pacific was instructed to intercept the U.S.S. "PRESIDENT GARFIELD" and remove 4 German airmen. This was successfully carried out on April 30th, 1941.

(xiv) H.M.C.S. "PRINCE DAVID" is on patrol off Guadaloupe to intercept any German or Italian ships which may sail.

(b) Convoys -

(i) On April 25th a Convoy of 41 ships sailed from Halifax under the Ocean Escort of H.M. Ships "RAMILLIES" and "DERBYSHIRE". The Convoy comprised 28 British vessels, 2 Swedish, 5 Norwegian, 3 Dutch, 1 Belgian, 1 Panamanian and 1 Polish.

(ii) On April 25th a special group sailed from Halifax. There were 4 ships, all British, in the group, which sailed without Ocean Escort.

(iii) On April 29th a Slow Convoy sailed from Halifax under the Ocean Escort of H.M.S. "SALOPIAN" and H.M. Submarine "THUNDERBOLT". The 28 vessels in the convoy consisted of 18 British, 5 Norwegian, 1 Dutch, 1 Panamanian and 3 Greek.

(iv) During the week, there were 3 independent trans-ocean sailings, 2 from the Atlantic Coast and one from the Pacific Coast.

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4. **WORKS.**

(a) One hundred and thirteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (89), Saint John (14), Esquimalt (3), Sydney (2) and Montreal (5).

(b) Eighteen 3" Low Angle guns for Norwegian ships have now arrived in Halifax and are in course of allotment; ammunition is limited and is being issued at the rate of only 20 rounds per gun.

(c) It has been suggested that a D.E.M.S. Officer should be appointed to New York and the suggestion has been forwarded to the Admiralty for consideration.

(d) The degaussing equipment of 110 ships was inspected in Canada during the week. Ninety-nine were reported as being satisfactory; repairs were carried out on the remainder.

(e) The British Ministry of Shipping, New York, reported the following in hand at United States ports:

Ships degaussed	- 10
Repairs carried out	- 7
In hand for D.G.	- 37
In hand for repairs	- 9.

(f) This week the Technical Division has accepted on behalf of the R.C.N. the following ships: H.M.C.S. "RIMOUSKI" and H.M.C.S. "PICTOU". These vessels were commissioned on April 26th and 29th respectively.

(g) On the West Coast the Trials Party of the staff of the Commanding Officer Pacific Coast accepted H.M.C.S. "NANAIMO", which ship was also commissioned April 26th.

(h) Endurance and Full Power Trials have been carried out at Collingwood, Ontario, successfully on H.M.C.S. "BARRIE", while H.M.C.S. "GALT" is commencing Trials to-day, Thursday, May 1st. "TRAIL" completed Full Power Trials at Esquimalt successfully.

(i) Trials of the Magnetic Minesweeper "SUDEROY VI" were successfully completed on April 25th. Work on a second ship, "STAR XVI", is progressing.

(j) A report has been received from the Admiralty regarding controlled flood lighting, which indicates that further experimental work has been found necessary. Professor Burr's experiments, however, are known to be in advance of those of Admiralty, and his reports as to the latter's findings are expected to prove of interest.

(k) Ten inventions were examined, of which two are receiving investigation. A simplified type of Indicator Loop is under investigation by Dr. Ross and his staff.

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(l) Materials have been assembled at Halifax for the boom to be installed at St. John's, Nfld., and are to be shipped to that port shortly.

(m) Time and Material contract has been approved for the laying of an A/T net at Esquimalt, estimated time of completion being 28 days.

(n) Preliminary arrangements to install boom defence measures are in the course of being prepared at Shelburne and Prince Rupert. Operations at other bases are proceeding satisfactorily.

(o) Boom maintenance vessel "DERRICK NO. 7" is now at Kingston, Ontario, for completion. Priority has been obtained on the steel required for "DERRICK NO. 8", the expected delivery date being in July.

(p) The installation of Anti-Submarine equipment for Corvettes is proceeding slightly behind the building schedule. It is hoped, however, that Corvettes as accepted will be completed with anti-submarine equipment before sailing for Halifax.

(q) Installation of Loop and Harbour Defence A/S at Halifax, Sydney, and Botwood, is proceeding slowly, due mainly to the non-arrival of necessary gear from the U.K.

(r) Provision of Radio Direction Finder for the R.C.N. has been commenced. Lieutenant-Commander J.V. Argyle has been appointed to duty at Naval Service Headquarters in control of this subject under jurisdiction of the Superintendent of Asdic.

(s) An experimental set is being manufactured at the N.R.C., and 100 sets are on order for first delivery in August.

(t) It is anticipated that one Night Watchman and one Coast Defence set will be installed at the entrance to Halifax Harbour.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $64,886.65.

6. GENERAL.

(a) H.M.C.S. "NANAIMO" was commissioned on the West Coast April 26th and placed under operations and maintenance of H.M.C.S. "GIVENCHY".

(b) H.M.C.S. "CHILIWACK" was accepted on April 8th on the West Coast and placed under H.M.C.S. "GIVENCHY".

(c) H.M.C.S. "PICTOU" was commissioned on April 29th at Quebec.

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GENERAL. (Cont'd)

(d) The 10 Corvettes built in Canada for the Royal Navy have now been loaned to the Royal Canadian Navy and will be: H.M.C. SHIPS "FENNEL", "BITTERSWEET", "SNOWBERRY", "WINDFLOWER", "SPIKENARD", "TRILLIUM", "MAYFLOWER", "HEPATICA", "EYEBRIGHT" and "ARROWHEAD". They are all manned by Canadian crews.

(e) H.M.C.S. "DRUMMONDVILLE" was successfully launched at the Marine Industries Shipyard on April 26th, 1941.

CHIEFS OF STAFF COMMITTEE

3rd May 1941.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 8.

Ottawa, 10th May 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 79.

(For week ending 10th May)

-ooo-

NAVAL SERVICES

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 8, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	292	2,905	3,197
R.C.N.R.	584	3,241	3,825
R.C.N.V.R.	1,351	9,775	11,126
TOTAL . . .	2,227	15,921	18,148

Increase - 397

(b) Recruiting Activities from May 1st, 1941, to May 8th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	2	0	2
R.C.N.R.	4	20	24
R.C.N.V.R.	107	313	420
TOTAL . . .	113	333	446

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	3	10	13
Discharges (a) Med. Unfit	0	11	11
(b) Other Reasons	4	21	25
TOTAL	7	42	49

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
219	1,360	1,579

2. CASUALTIES.

(a) Reported Missing:

F.W.R. NIXON, R.C.N., Pay. Cdr.
B. HARVEY, Sub-Lieut., R.C.N.
E. ROBBINS, Sub-Lieut., R.C.N.
Gordon CRAIG, Ord. Tel., R.C.N. 3704
Wilson CRAIG, Ord. Tel., R.C.N. 3706
James HUTTON, Ord. Tel., R.C.N. 3695
Stuart Kitching, Ord. Tel., R.C.N. 3707
Harold LESTER, Ord. Tel., R.C.N. 3677
Robert McCRINDLE, Ord. Tel., R.C.N. 3692
Roland STINCHCOMBE, Ord. Tel., R.C.N., 3589

(b) Sydney BELL, Ord. Smn., V.6356; presumed lost on D.E.M.S. "CANADOLITE".

(c) William B. KIRK, Ord. Smn., V.7755; missing on D.E.M.S. "WEST POOL".

(d) Norman R. ROSS, Writer, V.14284; died 2nd May, 1941, of natural causes.

(e) Richard BRISTOW, Ord. Tel., R.C.N., 3689; slightly injured, survivor of S.S. "NERISSA".

. . . . . .

TOTAL CASUALTIES TO DATE:-

	Officers	Ratings	TOTAL
Killed on Active Service	25	305	330
Other Deaths	2	24	26
TOTAL	27	329	356
Wounded or Injured . .	1	61	62

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3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.C.S. "COMOX" for Pictou. 3.5.41.

(ii) H.M.S. "ABERDEEN" escorting HX 125B. 6.5.41

(iii) H.M.S. "CHITRAL" for Bermuda. 6.5.41

(iv) H.M.S. "ASCANIA" escorting HX 125A. HX 125B escorted by "ABERDEEN" sailed the same day. 6.5.41.

(v) H.M.C.S. "FRENCH" and "FLEUR DE LIS" for Mulgrave. 6.5.41.

(vi) H.M.S. "REVENGE" on escort duties. 6.5.41.

(vii) H.M. Coastguard Cutters "HARTLAND", "CULVER", "FISHGUARD" and "BANFF" sailed. 7.5.41.

- Arrivals -

(viii) H.M.S. "CHITRAL" from patrol duties. 2.5.41.

(ix) H.M.S. "CALIFORNIA" from ocean escort and patrol duties. 6.5.41.

(x) H.M.S. "MONTCLARE" from patrol duties. 5.5.41.

(xi) H.M. Coastguard Cutter "LULWORTH". 8.5.41.

(xii) H.M.S. "RAMILLIES" from escort duties. 8.5.41.

. . . . . .

(xiii) H.M.S. "DELHI" arrived New York for refit. 3.5.41.

(xiv) H.M.C.S. "MOONBEAM" sailed Shelburne for Halifax. 3.5.41.

(xv) H.M.C.S. "GALT" sailed Collingwood for Montreal after commissioning. 8.5.41.

(xvi) H.M.C.S. "COMOX" arrived Pictou. 4.5.41.

(xvii) H.M.C.S. "FRENCH" and "FLEUR DE LIS" arrived Mulgrave. 6.5.41.

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(xviii) H.M.C.S. "PRINCE DAVID" returned to Trinidad after patrolling off Chateau Point, Guadeloupe. 2.5.41.

(xix) H.M.C.S. "PRINCE ROBERT" sailed from Honolulu on 28th April, 1941, and intercepted "PRESIDENT GARFIELD". She was then to leave for Suva arriving there on 8th May, 1941, but met S.S. "AWATEA" which had been escorted to 001° 40' N., 165° 50' W. by H.M.S. "ACHILLES". Estimated time of arrival at Victoria 2000Z. 15.5.41.

(xx) H.M.C.S. "BARRIE" sailed from Collingwood. 5.5.41.

(xxi) H.M.C.S. "VISON" sailed for Bermuda. 2.5.41.

(b) Convoys -

(i) On 30th April a convoy sailed from Halifax under the ocean escort of H.M. Ships "CIRCASSIA" and "ROYAL SOVEREIGN". The 37 vessels in the convoy consisted of 29 British, 3 Dutch, 2 Norwegian, 1 Polish, 1 Greek and 1 Swedish.

(ii) On 6th May a convoy of 68 ships sailed from Halifax under the ocean escort of H.M. Ships "ASCANIA", "ABERDEEN", "REVENGE", "CULVER", "HARTLAND", "FISHGUARD" and "BANFF".

(iii) The convoy comprised 56 British vessels, 10 Norwegian, 1 Greek and 1 Dutch.

(iv) During the week there were two independent trans-ocean sailings, both from the Atlantic Coast.

4. WORKS.

(a) Eighty-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (71), Esquimalt (3) and Saint John (15).

(b) Six American 4" guns and mountings are in the course of shipment to Halifax for Imperial stock for D.E.M.S. purposes.

(c) Information regarding arming, etc., has been received regarding the following ships:

"FJORDHEIM"	3"	Norwegian gun mounted	Halifax
"TORTUGAS"	3"	" " "	"

(d) The degaussing equipment of 89 ships was inspected in Canada during the week. Eighty-two were reported as being satisfactory; repairs were carried out on the remainder.

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(e) The British Ministry of Shipping, New York, reported the following in hand at United States ports:

Ships degaussed	8
Repairs carried out	16
In hand for D.G.	38
In hand for repairs	11.

(f) The Director of Technical Division and all his staff are attending inspections and carrying out Trials Parties of New Construction building for the R.C.N. at Port Arthur, Collingwood, Kingston, Montreal and Quebec.

(g) In respect to trials and inspections the following information is available regarding - H.M.C.S. "BARRIE": Passed Acceptance Trials, sailed May 5th, for Montreal. "QUESNEL"; Endurance, Armament, Anchoring Astern and Steering Trials, successful 28th April, Full Power Trial successful, May 2nd. "KENOGAMI": 4-Hour Dock Trial, Main and Auxiliary Machine Trials, Successful April 30th. Endurance Trial, successful May 7th. "TRAIL": Acceptance Trial and Commissioning, April 30th. "GALT": End. and F.P. Trials, Successful May 1st. "CHILLIWACK" and "KAMLOOPS": Completed working up Trial and one cruise to Prince Rupert, May 2nd. "KAMSACK": Launched successfully May 5th. "NAPANEE": Acceptance, Manoeuvring and Astern Trials, May 5th. "CHICOUTIMI": Accepted for R.C.N. Service, May 6th. "MATAPEDIA": Acceptance Trials held May 6th.

(h) Two additional Bangor M/S will be commissioned than had been planned for originally, while "STAR XVI" is due for completion by the middle of this month.

(i) Information has been received regarding sweeps for A/Mines. Drawings will be modified and a proposal put forward for the construction of equipment and installation on ships.

(j) Word has been received that the organisation of the proposed Chemical Warfare Directorate is nearly completed, and that considerable field work and surveying has been done on the experimental field in Alberta.

(k) Experimental work has begun on a proposed scheme of submarine detection for use in conjunction with existing A/S equipment, for final Attack.

(l) Experimental and research work is being carried out in regard to Indicator Loops, and to the Carley type of float.

(m) Preparatory work, reconditioning and assembly of material, and the laying of nets is proceeding satisfactorily according to operational plans, for all bases; the lease for a slab site at Prince Rupert, B.C., has been signed.

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(n) The Inspector of Booms is en route to N.S.H.Q. after a month's tour of inspection, while all inspections by civilian Inspectors have been carried out.

(o) The A/S and R.D.F. Branches continue to commission qualified engineers as officers, the present total on duty number 37, while a further 6 are in training at Esquimalt and Halifax, awaiting disposition; trained ratings from A/S Schools available at present are H.S.D. - 22, S.D. - 288.

(p) The Halifax School is being enlarged and improved, while the Esquimalt school is completed and awaiting arrival of attack and procedure teachers.

(q) Halifax defences are being held up due to lack of equipment from the U.K.; Sydney and Botwood Stations are expected to be under way shortly.

(r) The R.D.F.O. has made a study in close co-operation with N.R.C. of the latest information regarding principles and practice of R.D.F., while visits have been made to Toronto and London Universities in order to contact the teaching personnel and students for A/S personnel programme.

(s) A visit has been paid to the Research Enterprise Ltd to learn of progress being made in production of R.D.F. equipment, while contacts have been established with the R.C.A.F. personnel whose duties come into touch with this matter.

(t) In practical tests of a set for R.C.N. a buoy was seen at 1½ miles, an aircraft located at 14 miles, land at 17 miles was well defined.

(u) Attention has been given to the preparation of a suitable "Installation and Operating Instruction Book" to be supplied with R.C.N. sets.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $167,069.50.

6. GENERAL.

(a) H.M.C.S. "PRINCE HENRY" is returning to Esquimalt after patrolling off Coquimbo Bay, Chilean Coast. Due at Esquimalt 10.5.41 to be drydocked for semi-annual examination, extension of bilge keel and repair to hull plating and frame.

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(b) H.M.C.S. "GALT" was christened 7.5.41 and sailed for Montreal 1150. 8.5.41.

(c) H.M.C.S. "PICTOU" and "RIMOUSKI" due to Anti-Submarine and Echo Sounding work on "PICTOU" not being completed, sailing of these ships, originally scheduled for 7.5.41 was postponed until 9.5.41.

CHIEFS OF STAFF COMMITTEE

10th May 1941.

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DEPARTMENT OF NATIONAL DEFENCE

C179060

HQ.S. 5199-U, Vol. 9.

Ottawa, 17th May 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 80.

(For week ending 17th May)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 15, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	295	2,907	3,202
R.C.N.R.	589	3,267	3,856
R.C.N.V.R.	1,435	10,485	11,920
TOTAL . . .	2,319	16,659	18,978

Increase - 830

(b) Recruiting Activities from May 8th, 1941, to May 15th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	3	11	14
R.C.N.R.	6	29	35
R.C.N.V.R.	85	731	816
TOTAL . . .	94	771	865

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	3	3
Discharges (a) Med. Unfit	0	20	20
(b) Other Reasons	2	10	12
TOTAL	2	33	35

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
191	871	1,062

2. CASUALTIES.

(a) John BEANLAND, A.B., R.C.N.R., O.N. A4222; died 10th May, 1941, while on leave.

(b) Norman W. KENNEY, Ord. Smn., R.C.N.V.R., V24383; drowned at Winnipeg.

(c) Blake MORRIS, A.B., R.C.N.V.R., V10304; died 10th May 1941, of natural causes.

. . . . . .

TOTAL CASUALTIES TO DATE:-

	Officers	Ratings	TOTAL
Killed on Active Service	25	305	330
Other Deaths	2	27	29
TOTAL	27	332	359
Wounded or Injured . . .	1	61	62

3. OPERATIONS.

(a) Ships -

- At Halifax -

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- Departures -

(i) Halifax. 9.5.41. H.M.S. "WOLFE" escorting S.C. 31 from Halifax. Accompanied by C.G. Cutter "LULWORTH".

(ii) "TRIBUNE" H.M.S. "ASCANIA" and H.M. Submarine with HX 126. 10.5.41.

(iii) H.M.S. "BUXTON" for Mortier Bay, Nfld. 11.5.41.

(iv) H.M.S. "MONTCLARE" for Bermuda. 14.5.41.

(v) "CYRUS FIELD" (Cable Ship). 12.5.41.

(vi) H.M.C.S. "DRUID" for Sydney. 13.5.41.

(vii) H.M.C. Ships "ARRAS" and "RAYON D'OR" were scheduled to leave Halifax for Sydney, C.-B. 15.5.41.

- Arrivals -

(viii) H.M.S. "RAMILLIES". 8.5.41.

(ix) H.M. Coastguard Cutter "LULWORTH" from U.S.A. 8.5.41.

(x) H.M.C.S. "RIMOUSKI". 12.5.41.

(xi) H.M.C.S. "PICTOU". 12.5.41.

(xii) H.M.S. "ROYAL SOVEREIGN" from ocean escort duties. 14.5.41.

(xiii) H.M.S. "LACONIA" from escort duties. 15.5.41.

. . . . . .

(xiv) H.M.S. "CHITRAL" arrived Bermuda from Halifax. 8.5.41.

(xv) H.M.C. Ships "ELK" and "VISON" having sailed from Bermuda on May 10th arrived Halifax 13.5.41.

(xvi) H.M.C.S. "PRINCE DAVID" sailed from Trinidad on patrol with H.M.S. "CARADOC" off Guadeloupe. 11.5.41.

(xvii) H.M.C.S. "PRINCE HENRY" arrived Esquimalt for refit from patrol off Coquimbo, Chilean Coast. 10.5.41.

(xviii) H.M.C. Ships "CHILLIWACK" and "KAMLOOPS" sailed from Esquimalt 13.5.41 for Halifax. The two vessels had to return to Esquimalt the same day when H.M.C.S. "KAMLOOPS" fractured the bed plates of her steering engine.

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(xix) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt escorting "AWATEA" from Suva. 14.5.41.

(xx) H.M.C.S. "MACSIN" sailed from St. John's, Nfld., for Quebec, via Sydney, C.B. 14.5.41.

(xxi) H.M.S. "ILLUSTRIOUS" arrived Norfolk for refit. 13.5.41.

(xxii) H.M.C.S. "MACSIN" arrived Sydney. 15.5.41.

(xxiii) H.M.C.S. "BARRIE" on way to Halifax from Collingwood, arrived Montreal. 9.5.41.

(xxiv) H.M.C.S. "GALT" en route to Halifax from Collingwood arrived Montreal. 14.5.41.

(xxv) H.M.C.S. "CHICOUTIMI" arrived Quebec from Montreal. 15.5.41.

(xxvi) H.M.C.S. "NAPANEE" arrived Quebec from Montreal. 15.5.41.

(b) Convoys -

(i) On May 9th a convoy sailed from Halifax under the ocean escort of H.M. Ships "WOLFE" and "LULWORTH". The 34 ships in the convoy were composed of 19 British, 4 Dutch, 6 Norwegian, 1 Belgian, 1 Panamanian, 3 Greek.

(ii) On May 10th a convoy sailed from Halifax under the ocean escort of H.M. Ships "AURANIA" and "TRIBUNE". Of the 31 ships in the convoy, 24 were British, 4 Norwegian and 3 Dutch.

(iii) During the week there were three individual trans-ocean sailings, one from the Atlantic Coast and two from the Pacific Coast.

4. WORKS.

(a) One hundred and eighteen D.E.M.S. inspections were carried out this week in the following ports: Montreal (15), Halifax (92), Saint John (10) and Esquimalt (1).

(b) Information regarding arming, etc., has been received on the following ships:

"HADA COUNTY"	3" Norwegian gun mounted	Halifax
"HAVSTEEN"	3" " " "	"
"ELUSA"	4" gun from Netherlands stock mounted in place of a damaged 4.7" gun.	"
"THORSHOLM"	In hand to mount 3" gun, Norwegian stock.	"
"WINONA COUNTY"	In hand to mount 4" gun, Admiralty stock.	"

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(c) The degaussing equipment of 116 ships was inspected in Canada during the week. 110 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of Shipping, New York, reported the following in hand at United States ports:

Ships degaussed . .	10
Repairs carried out	4
In hand for D.G. .	41
In hand for repairs	8.

(e) The Inspection Staff is now proceeding with the inspection of New Constructions at Port Arthur; Montreal and Quebec.

(f) The following Trials have been completed during the past week:-

Port Arthur - H.M.C.S. "KENOGAMI": Full Power, successful 9.5.41.
H.M.C. Ships "ARVIDA", "LEVIS", "BADDECK":- Full Power, successful 9.5.41., accepted and commissioned 9.5.41.

Quebec - H.M.C.S. "MATAPEDIA": commissioned 9.5.41.

Montreal - H.M.C.S. "DAUPHIN": accepted 12.5.41.

Collingwood - H.M.C.S. "BARRIE": sailed for Montreal 8.5.41.

(g) "SUDEROY IV" is now in Dockyard where special equipment has been put aboard; "SUDEROY V" is expected to dock by the end of this month; "SUDEROY VI" is now exercising at sea, operated with full power in the tail; "STAR XVI" will be ready for sea trials about May 20th.

(h) Specifications for steam turbo-generators for Bangor Class Sweepers have been prepared, and establishment of stores for mechancial and electrical maintenance is ready for printing, the latter on the basis of Admiralty experience, but with some changes to suit Canadian conditions.

(i) In collaboration with S.S.B. a start has been made on the layout of the battery and generating set in steam Bangor class Sweepers.

(j) Lieutenant Millard is proceeding to Washington to obtain details of the Sonic Buoys from the U.S.N. The intention is to use this equipment at the Fixed Defence Station at Botwood.

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C173065

(k) The Inspector of Booms has just returned from an inspection trip to Newfoundland and the East Coast; briefly, his report is as follows:-

Halifax : Inspection of proposed location at Dartmouth for B/D Depot; examination of A/S boom, special reference to practicability of adding A/B type defences; inspection of "LOOS" and "ARLEAUX"; and of gate opening floats and equipment.

Saint John, N.B. : Inspection of A/B baulks and tests; "VIERNOE" and "VENOSTA"; approaches to drydock for guard against torpedo attack by small craft or plane.

St. John's, Nfld: Determination of site of proposed A/T Boom; examination and recommendations concerning wharf on McLaughlin's property; arrangements made for construction of concrete anchors.

Sydney, N.S. : Examination of gate vessels; concrete anchors; inspection of depot and general arrangements for laying A/S and A/T nets; possibilities of defence against small enemy surface craft.

Gaspe, P.Q. : Inspection of buildings and site: location of A/S Boom; of searchlights and Army defences.

(l) Operations should be completed within 3 - 4 weeks depending upon weather conditions for laying of booms at Sydney; Gaspe; Shelburne; Saint John's, Nfld.

(m) A delegation including S. A/S left by plane for Botwood May 13th to determine - in conjunction with Army experts - problems concerning Harbour Defence A/S, i.e. exact site; accommodation of personnel; power supply; landing facilities.

(n) Ships fitted with A/S are: River Class Destroyers: 6; Corvettes: 4; Town Class Destroyers: 7; Auxiliary Vessels: 15.

(o) Type 135 A/S sets are being fitted in "St. Eloi", "Festubert", "Viernoe"; approval has been given to fit out "Arleaux", "Venosta" and "Loos".

(p) Lt.-Comdr. Argyle spent last week in Halifax conducting R.D.F. trials aboard "CHAMBLY"; preliminary reports indicate satisfactory results are being obtained.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $839,762.00.

6. GENERAL.

(a) Minesweeper "GODERICH" was launched in Toronto 14.5.41.

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(b) H.M.C.S. "SACKVILLE" was launched at the Yard of St. John Drydock Company. 15.5.41.

(c) H.M.C.S. "NEW WESTMINSTER", a corvette, was launched at the Victoria Machinery Depot. 16.5.41.

CHIEFS OF STAFF COMMITTEE

17th May 1941.

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DEPARTMENT OF NATIONAL DEFENCE

C179067

HQ.S. 5199-U, Vol. 9.

Ottawa, 24th May 1941.

Summary of Information Respecting Departmental Activities

SUMMARY NO. 81.

(For week ending 24th May)

-oOo-

NAVAL SERVICES

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 22, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	295	2,910	3,205
R.C.N.R.	592	3,356	3,948
R.C.N.V.R.	1,473	10,755	12,228
TOTAL . . .	2,360	17,021	19,381

Increase - 403

(b) Recruiting Activities from May 15th, 1941, to May 22nd, 1941:

	Officers	Ratings	TOTAL
R.C.N.	0	4	4
R.C.N.R.	3	91	94
R.C.N.V.R.	38	291	329
TOTAL . . .	41	386	427

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
Discharges (a) Med. Unfit	0	20	20
(b) Other Reasons	0	2	2
TOTAL	0	24	24

(d) Transfer between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
164	931	1,095

2. CASUALTIES.

(a) Inglish L. BARTEAUX, Shipwrt., R.C.N.V.R., V26013; killed by fall in dockyard 19th May, 1941.

(b) Lester E. HUMPHRIES, Ord. Smn., R.C.N.V.R., V19074; died 20th May, 1941.

. . . . . .

TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	25	306	331
Other Deaths	2	28	30
TOTAL	27	334	361
Wounded or Injured . .	1	61	62

3. OPERATIONS

(a) Ships -

- At Halifax -

- Departures -

(1) H.M.C.S. "ARRAS" for Sydney. 15.5.41.

. 3

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Ships - (Cont'd)

(ii) H.M.C.S. "RAYON D'OR" for Sydney. 15.5.41.

(iii) H.M.S. "RAMILLIES" on patrol duty. 16.5.41.

(iv) H.M.C.S. "ST. CROIX" on patrol duty. 16.5.-41.

(v) H.M.S. "ROYAL SOVEREIGN". 17.5.41.

(vi) H.M.S. "LACONIA" and H.M. Submarine "TALISMAN" escorting S.C.32. 19.5.41.

(vii) H.M.S. "CALIFORNIA" escorting convoy HX 128, accompanied by H.M. Coastguard Cutters "WALNEY", "TOTLAND" and "SENNEN". 20.5.41.

(viii) H.M.S. "RANPURA" for Bermuda. 21.5.41.

- Arrivals -

(ix) H.M.S. "BUXTON". 15.5.41.

(x) H.M.S. "REVENGE" from escort duties. 17.5.41.

(xi) H.M.C.S. "ARRAS". 17.5.41.

(xii) H.M.C.S. "ST. CROIX" from local escort duties. 18.5.41.

(xiii) H.M.C.S. "NAPANEE" from Quebec. 18.5.41.

(xiv) H.M.C.S. "CHICOUTIMI". 18.5.41.

(xv) H.M.C.S. "DERBYSHIRE" from patrol duties. 21.5.41.

(xvi) H.M.S. "ALAUNIA" from patrol duties. 22.5.41.

(xvii) H.M.S. "LADY SOMERS" from Bermuda. 21.5.41.

. . . . . .

(xviii) H.M.C.S. "DRUID" arrived Sydney from Halifax. 17.5.41.

(xix) H.M.C.S. "RAYON D'OR" arrived Sydney. 17.5.-41.

(xx) H.M.C.S. "MACSIN" arrived Sydney, 15.5.41. and sailed from Sydney. 17.5.41.

(xxi) H.M.C.S. "PRINCE ROBERT" sailed Esquimalt 16.5.41. Expected to arrive Suva 28.5.41. To escort S.S. "Aorangi" toward Esquimalt to limit of endurance, then returning Suva.

(xxii) H.M.C.S. "DAUPHIN" sailed Montreal 20.5.41. for Quebec.

(xxiii) H.M.C.S. "MACSIN" arrived Quebec from Newfoundland. 20.5.41.

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(xxiv) H.M.C.S. "BARRIE" arrived Quebec from Montreal 16.5.41. and is to sail for Halifax 22.5.41.

(xxv) H.M.C.S. "DAUPHIN" arrived Quebec. 21.5.41.

(xxvi) H.M.C.S. "CHICOUTIMI" sailed from Quebec 15.5.41.

(xxvii) H.M.C.S. "NAPANEE" sailed from Quebec 15.-5.41.

(xxviii) H.M.S. "ROYAL SOVEREIGN" arrived Norfolk 20.5.41.

(xxix) H.M.C.S. "CHILLIWACK" and H.M.C.S. "KAMLOOPS" due to sail from Esquimalt 21.5.41. via Panama. No signal of departure received.

(xxx) "CYRUS FIELD" (Cable Ship) on May 12th to May 17th in vicinity 46° 20' N., 46° 25' N., 59° 39' W., 59° 56' W. On May 21st in vicinity Trinity Bay repairing cables.

(xxxi) H.M.C.S. "MATAPEDIA" to sail from Quebec for Halifax on 22.5.41. in company with H.M.C.S. "BARRIE" and H.M.C.S. "DAUPHIN".

(xxxii) H.M.C.S. "PRINCE DAVID" arrived Bermuda 16.5.41; left 17.5.41. to intercept French tanker "SHEHERAZADE" (intercepted by "DIOMEDE" 21.5.41.) Instructed on 21.5.41. to return to Bermuda.

(b) Convoys -

(i) On 16th May a convoy of 59 ships sailed from Halifax under the ocean escort of H.M.S. "RAMILLIES". The convoy comprised 39 British, 5 Dutch, 15 Norwegian.

(ii) On 19th May a convoy sailed from Halifax under the ocean escort of H.M. Ships "LACONIA" and "TALISMAN". The 34 vessels in the convoy consisted of 19 British, 3 Dutch, 5 Norwegian, 1 Panamanian, 1 Polish and 1 Greek.

(iii) On May 20th a convoy sailed from Halifax under the ocean escort of H.M. Ships "CALIFORNIA", "SENNEN", "WALNEY" and "TOTLAND". The 43 vessels in the convoy consisted of 31 British, 2 Dutch, 9 Norwegian, 1 Swedish.

(iv) During the week there were three independent trans-ocean sailings, one from the Pacific Coast and two from the Atlantic Coast.

4. WORKS.

(a) One hundred and fifty-two D.E.M.S. inspections were carried out this week in the following ports: Halifax (90), Montreal (40), St. John (12), Sydney (1), Quebec (6), Esquimalt (3).

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(b) Information regarding arming, etc., has been received regarding the following ships:

"BRASIL"	- 3"	gun Norwegian stock	mounted Halifax
"THORSHOLM"	- 3"	" " "	" "
"WINONA COUNTY"	- 4"	American gun	" "
"ONDINA"	- 4"	gun Netherlands Stock	" "
"OLTENIA"	- 4"	gun American	" "
"WESTERN OCEAN"	- 4"	" "	" "
"SUDEROY"	- In hand to mount 3"	gun Nor. stock"	
"ONTARIOLITE"	- " " " "	4" " (American) "	

(c) The degaussing equipment of 145 ships was inspected in Canada during the week. One hundred and thirty-nine were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States ports:

Ships degaussed	- 15
Repairs carried out	- 1
In hand for D.G.	- 44
In hand for repairs	- 9.

(e) Inspections of New Construction are being proceeded with by the inspection staff at - Quebec: Port Arthur.

Trials and launchings of New Construction during the past week consist of -

H.M.C.S. "ARVIDA" : Acceptance Trial successful; to arrive Quebec 19.-5.41.; commission 20.5.41., tentative.

H.M.C.S. "KENOGAMI" : Acceptance Trial 21.5.41.

H.M.C.S. "ROSTHERN" : Endurance & Full Power Trials May 22/23.

H.M.C.S. "BATTLEFORD": Launched 15.5.41. at Collingwood.

H.M.C.S. "QUESNEL" : Failed on Acceptance Trial due to engine trouble.

(f) Ships commissioned by the R.C.N. during the past week are - H.M.C.Ships "BADDECK", "LEVIS" and "DAUPHIN".

(g) As a result of experience in operating "SUDEROY VI", it is necessary to increase number of battery units to be installed in Bangor Class Sweepers. Details are being prepared by S.S.B. Essential particulars of 70 Kw Diesel engine generator sets for the 2 wooden M/S have been passed to S.S.B. for his guidance, while specifications for steam turbo-generators for Bangor M/S have been sent to D.N.S. for necessary action.

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(h) Re sweeps for Acoustic Mines, arrangements are being made for detail drawings of a hammer box and supporting boom structure suitable for attachment to Suderoys and Bangors.

(i) Minesweeping Trials of "STAR XVI" have been completed successfully; ship is now ready for sweeping operations.

(j) Lieutenant Millard has returned from Washington, where U.S.N. authorities extended every facility for investigation into the Sone Buoy. A new design is undergoing developments which will require six months to perfect. Arrangements are being completed for 5 buoys to be sent to Halifax, preliminary to installation at Botwood.

(k) Boom Defence operations at 8 bases include:-

ESQUIMALT: A/T Net in process of being laid, partly by contract, partly by Boom Defence Personnel - work is well under way.

PRINCE RUPERT: Site for depot at Drydock Company not being available, negotiations are under way for another. Single line net defence to be laid shortly.

SYDNEY, N.S.: Laying of A/S net markers started.

GASPE: Foundation Company commences preparation of Slab this week, actual laying of Net to start about June 1st.

SHELBURNE: Contractors expect to start immediately on B/D buildings, Slab and Concrete Anchors.

ST. JOHN, N.B.: Decision remains to be made whether A/S boom is to be proceeded with.

HALIFAX: Work under way to rebuild obstruction demolished last September, to be completed June 15th.

(l) Commander Pressey is on an inspection trip to Halifax and Newfoundland.

(m) Lieutenant-Commander Argyle has returned from inspection at Halifax - a full report of activities will be given in next week's report.

(n) H.M.C.S. "PRINCE HENRY" is undergoing refit at Esquimalt.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $297,387.00.

CHIEFS OF STAFF COMMITTEE

24th May 1941.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 31st May 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 82.

(For week ending 31st May)

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N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 29th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	293	2,911	3,204
R.C.N.R.	604	5,384	3,988
R.C.N.V.R.	1,522	11,023	12,545
TOTAL . . .	2,419	17,318	19,737

Increase - 356

(b) Recruiting Activities from May 22nd, 1941, to May 29th, 1941:

	Officers	Ratings	TOTAL
R.C.N.	1	3	4
R.C.N.R.	12	48	60
R.C.N.V.R.	49	290	339
TOTAL . . .	62	341	403

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	4	2	6
Discharges (a) Med. Unfit	0	15	15
(b) Other Reasons	0	26	26
TOTAL	4	43	47

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
To R.C.N.V.R. from R.C.N.R.	1	0	1
TOTAL	1	1	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
128	948	1,076

2. CASUALTIES.

(a) Thomas N.K. BEARD, Midshipman, R.C.N., believed lost H.M.S. "HOOD"--May, 1941.

(b) Francis L.L. JONES, Midshipman, R.C.N., believed lost H.M.S. "HOOD"--May, 1941.

(c) C.J.B. NORMAN, Midshipman, R.C.N., believed lost H.M.S. "HOOD", May, 1941.

(d) William F. PAGE, Sub-Lieut., R.C.N.V.R., killed on Active Service--22nd May, 1941.

(e) Garfield F. JOHNSON, A.B., R.C.N.R., A2538, died 22nd May, 1941, of natural causes.

(f) E.A. CONRAD, Cook, R.C.N.R., A4234, died 23rd May, 1941, of natural causes.

(g) Robert FERGUSON, Log. Sman., R.C.N.V.R., [illegible]149, injured on H.M.C.S. "KENOGAMI"--26th May, 1941.

. . . . . .

TOTAL CASUALTIES TO DATE:-

	Officers	Ratings	TOTAL
Killed on Active Service	29	306	335
Other Deaths	2	30	32
TOTAL	31	336	367
Wounded or Injured . .	1	62	63

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3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.C.S. "BEAVER" for Shelburne and return to Halifax. 21.5.41.

(ii) H.M.S. "ALAUNIA" for Bermuda. 24.5.41.

(iii) H.M.C. Ships "AGASSIZ", "ALBERNI", "CHAMBLY", "COBALT" "COLLINGWOOD", "ORILLIA", "WETASKIWIN", for St. John's, Nfld., 23.5.41. These vessels arrived St. John's, Nfld., May 25th.

(iv) H.M.S. "LETITIA" in tow for refit in U.S.A. port. 24.5.41.

(v) H.M. Submarine "THUNDERBOLT" on patrol duty. 25.5.41.

(vi) H.M.C.S. "ST. CROIX" for Sydney. 26.5.41.

(vii) H.M.C.S. "LAURIER" for Mulgrave. 26.5.41.

(viii) H.M.S. "BUXTON" on patrol duty. 27.5.41.

(ix) H.M.S. "CHITRAL" escorting convoy HX 129. 27.5.41.

(x) H.M.C.S. "VISON" for Lunenburg. 28.5.41.

- Arrivals -

(xi) H.M.S. "ALAUNIA" from Iceland. 22.5.41.

(xii) H.M.S. "CHITRAL" from patrol duty. 24.5.41.

(xiii) H.M.C. Ships "BARRIE", "MATAPEDIA" and "DAUPHIN" from Quebec. 24.5.41.

(xiv) H.M. Coastguard Cutter "LANDGUARD" from New York. 25.5.41.

(xv) H.M.C.S. "BEAVER". 26.5.41.

(xvi) H.M.S. "WOLFE" from patrol duties. 27.5.41.

(xvii) H.M.S. "CIRCASSIA" from patrol duties, 27.5.41.

(xviii) H.M. Ships "BADDECK", "LEVIS" from Quebec. 28.5.41.

. . . . . .

(xix) H.M.S. "RANPURA" arrived Bermuda from Halifax 23.5.41.

(xx) H.M.C.S. "PRINCE DAVID" arrived Bermuda. 23.5.41. H.M.C.S. "PRINCE DAVID" is scheduled to sail for St. Johns, Nfld., on May 29th, flying flag of C.in C., A. & W.I., who will also pay a visit to Naval Service Headquarters in the near future.

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(xxi) H.M.C. Ships "CHILLIWACK", "KAMLOOPS" sailed from Esquimalt for Halifax. 22.5.41. They arrived San Pedro 25th May and departed 26th May.

(xxii) H.M.C.S. "ST. CROIX" arrived Sydney, Cape Breton, from Halifax. 26.5.41.

(xxiii) H.M.C.S. "PRINCE ROBERT" arrived Suva from Esquimalt to act as escort to S.S. "AORANGI". 27.5.41.

(xxiv) H.M.C.S. "KENOGAMI" arrived Montreal en route to seaboard. 28.5.41.

(b) Convoys -

(i) On 27th May a convoy sailed from Halifax under the ocean escort of H.M.S. "CHITRAL". The 61 ships in the convoy comprised 39 British, 10 Norwegian, 6 Dutch, 3 Greek, 1 Polish and 2 Swedish.

(ii) This week there were four independent trans-ocean sailings, all from the Atlantic Coast.

Note:- The two convoys comprising 59 and 43 ships each, mentioned in last week's report, included ships which sailed from Bermuda.

4. WORKS.

(a) Seventy-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (67), Sydney (4), Saint John (4), Esquimalt (4).

(b) Information regarding arming, etc., has been received regarding the following ships:

"ONTARIOLITE" - 4" American gun mounted at Halifax

"EDGEFIELD" - 4" American gun mounted at Halifax

"NORBRYN" - 3" gun (Norwegian stock) mounted at Halifax.

"SPIND" - 3" gun (Norwegian stock) mounted at Halifax.

(c) The degaussing equipment of 74 ships was inspected in Canada during the week. Seventy were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States ports:

Ships degaussed	- 10
Repairs carried out	- 9
In hand for D.G.	- 41
" " " repairs	- 8.

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(e) D.T.D. Inspections of New Construction are being proceeded with by the Inspection Staff at Kingston, Montreal and Quebec. Trials and launchings of New Construction during the past week are:-

H.M.C.S. "ROSTHERN" :	Endurance Trial successful May 22nd; Full Power successful May 23rd.
H.M.C.S. "QUESNEL" :	Acceptance Trial successful, ship accepted May 23rd.
H.M.C.S. "KENOGAMI" :	Passed Acceptance Trials May 21st.
H.M.C.S. "BUCTOUCHE":	Passed Endurance, Steering and Astern Trials May 26th.
H.M.C.S. "SUDBURY" :	To be launched May 31st.
H.M.C.S. "PRESCOTT" :	Endurance and Full Power Trials May 27th. (successful)
H.M.C.S. "KAMLOOPS" and "CHILLIWACK" :	Sailed from Esquimalt May 22nd, arrived San Pedro, sailed 26th for Halifax.

H.M.C. Ships commissioned during the past week - "QUESNEL" and "ARVIDA".

(f) S.T.T.D.

"STAR XVI" has been completed; sea Trials made with LL sweep gear operating singly; no report has as yet been received of "STAR XVI" and "SUDEROY VI" operating as a pair with master and slave clocks in operation.

With regard to Professor Burr's invention for Controlled Floodlighting, there has been some delay in the production of automatic control equipment, but it will be ready for trial about June 5th. Much of the gear used on the ship employed in experimental work has had to be put ashore for use on another vessel.

(g) R.L.O.

Preliminary tests on Johns-Manville brake lining have shown it to be unsuitable for M/S vessel winch brake application.

Samples of Samdec, non-slip deck covering, removed from the deck of H.M.C.S. "ST. LAURENT" have been analysed by N.R.C. Equivalent materials are to be produced and tested in the laboratory with a view to manufacturing a suitable covering in Canada.

A method of retarding wear on the heel and toe portions of seamen's socks by use of a cellulose-ether solution is undergoing laboratory test.

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Investigation of a system of short range submarine detection is proceeding. Sea water absorption effects have been ascertained and experiments on a scale model mock-up show that the method possesses possibilities.

Test equipment is under construction to evaluate the 3 coil A.C. and D.C., amplifier systems proposed as substitution gear for existing indicator loop flux-meter instruments.

A meeting of the Chemical Warfare Inter-service Board was held May 27th: Members present - Colonel G.P. Morrison - Chairman, Major W.W. Gowforth, Captain E A. Flood, G/C A. Ferrier, Dr. O. Maass, Mr. E.L. Davies, S/L E.C. Cooper, Lt. J.R. Millard (in absence of Lt.-Cdr. Olive.)

The purpose of the meeting was to discuss terms of reference; progress; means for accelerating efforts; constructive suggestions for improvement of matters in hand.

(h) I.O.B.

Boom Defence operations at five bases include:-

ESQUIMALT — First line nets for A/S boom being loaded on scows and towed to Prince Rupert; one line of A/T boom is in place.

SYDNEY, NS. — One Gate Vessel moored in place last Wednesday, other in place now; operations handicapped by absence of two tugs. Concrete anchors for A/T net being made by Boom Defence personnel.

SHELBURNE — Tenders being called for making and laying of A/S boom.

SAINT JOHN, N.B. — No decision yet received if work on A/B boom is to be continued or abandoned.

HALIFAX — New type of fittings being put in place in the rebuilding of the construction demolished last September. Plans are being prepared for new boom defence buildings. Lease has not yet been signed.

Listed briefly are facts concerning the number of R.C.N. personnel, totalled with civilians, and the capital involved in Boom Defence operations.

AT HEADQUARTERS:

Inspector of Booms	Lieut. RCNVR.	1 in No.
Deputy Ins. of Booms	Lieut. RCNVR.	1 " "
Staff	Lieuts. RCNVR.	2 " "

WEST COAST:

A/Insp. of Booms	Lt.-Cdr., RCN.	1 in No.

EAST COAST:

A/Insp. of Booms	Lieut. RCNR.	1 in No.
Deputy A/Ins. of Booms	Lieut. RCNR.	1 " "

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WEST COAST. (Cont'd)

Boom defence Officers	Lieuts. RCNVR. or Ch. Skippers (1 per base)	7 in No.
A/B Defence Officers	Skippers RCNR.	6 in No.
Gate Vessel Skippers	Skippers RCNR.	21 in No.
Tug Boat Skippers	Skippers RCNR.	3 in No.
COMMISSIONED OFFICERS		44 " "
Plus 1 mate at HQ.		45
CIVILIAN LABOUR		146
PETTY OFFICERS & RATINGS (Gate Vessels at 6 bases; Tugs & attendant craft at 7 bases)		518

TOTAL NUMBER OFFICERS AND MEN RESPONSIBLE TO THE I.O.B. 709

CAPITAL INVOLVED

Average cost A/S Boom - 1 Base	$ 360,000.
2 Gate Vessels - average -	100,000.
Boom maintenance vessels - average -	80,000.
1 Tug	50,000.
Attendant vessel & Harbour Craft	20,000.
Depot, Bldgs. & Crane, etc.	25,000.
	635,000.
A/S Stores per year	50,000.
A/S maintenance per year	50,000.
	735,000.
FOR 7 BASES	$5,145,000.

NOTE:- As nothing is included for the A/T net at Sydney or for the A/B boom at St. John's, and sundry other items, the total capital involved is approximately $5,500,000.

(i) S.A/S.

Lack of equipment is still preventing the completion of the A/S School at Esquimalt.

Sono Buoys for the protection of the harbour at Botwood have been ordered through Naval Stores. Action is being taken to hasten the development of this project.

(j) R.D.F.O.

Extensive trials aboard "CHAMBLY" took place with sample model CSC-RN set. A full written report is in preparation.

Progress has been made in development of suitable R.D.F. antennae for H.M.C. Ships. The supply of R.D.F. sets has been accelerated. Equipment for R.D.F. practical training building at Halifax will be available in two weeks. Four R.D.F. sets will be available for ships by June 15th.

Close liaison continues to be maintained with National Research Council on all R.D.F. matters.

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5. STORES.

The equipment purchased by the Naval Stores amounted this week to $135,414.39.

6. GENERAL.

(a) H.M.C.S. "ARVIDA", a corvette, was commissioned at Quebec on May 22nd.

(b) H.M.C.S. "LOUISBOURG", a corvette, was launched at the Morton Shipyard at Quebec on May 24th.

(c) On May 28th a minesweeper, H.M.C.S. "KELOWNA" was launched at the Dufferin Shipyard in Toronto.

CHIEFS OF STAFF COMMITTEE.

31st May 1941.

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COPY NO. 1

C173081

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 7th June, 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 83.

(For week ending 7th June)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 5th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	296	2,906	3,202
R.C.N.R.	606	3,429	4,035
R.C.N.V.R.	1,560	11,134	12,694
TOTAL . . .	2,462	17,469	19,931

Increase - 194

(b) Recruiting Activities from May 29th, 1941, to June 5th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	2	47	49
R.C.N.V.R.	38	151	189
TOTAL . . .	43	198	241

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	10	10
(b) Other Reasons	0	37	37
TOTAL	0	47	47

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
144	1,107	1,251

2. CASUALTIES.

-Nil-

. . . . . .

TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	29	306	335
Other Deaths	2	30	32
TOTAL	31	336	367
Wounded or Injured . .	1	62	63

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.C.S. "ANNAPOLIS" for Shelburne, N.S. 28.5.41.

(ii) H.M.C. Ships "RACCOON" and "REINDEER" for Sydney. 30.5.41.

(iii) H.M. Ships "MONTCLARE" and "WOLFE" for Bermuda. 30.5.41.

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	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
144	1,107	1,251

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-Nil-

. . . . . .

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3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.C.S. "ANNAPOLIS" for Shelburne, N.S. 28.5.41.

(ii) H.M.C. Ships "RACCOON" and "REINDEER" for Sydney. 30.5.41.

(iii) H.M. Ships "MONTCLARE" and "WOLFE" for Bermuda. 30.5.41.

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(iv) H.M.S. "DERBYSHIRE" escorting S.C. 33 from Sydney. 30.5.41.

(v) H.M.C.S. "NOOTKA" for Pictou, N.S. 30.5.41.

(vi) H.M.S. "RAMILLIES" escorting convoy HX 130. 1.6.41.

(vii) H.M.S. "BUXTON" for St. John's, Nfld. 3.6.41.

(viii) H.M.S. "MALOJA" for Bermuda. 4.6.41.

(ix) H.M.C. Ships "PICTOU" and "RIMOUSKI" are scheduled to sail from Halifax with convoy HX 131 to Icelandic Rendezvous, thence to Iceland to refuel and return to St. John's, Nfld.

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Arrivals -

(x) Cable Ship "CYRUS FIELD". 29.5.41.

(xi) H.M.S. "BUXTON" from patrol duties. 29.5.41.

(xii) H.M. Ships "RAMILLIES", "CHESHIRE", "MONTCLARE", "SOUTHERN PRINCE" from patrol duties. 30.5.41.

(xiii) H.M.C.S. "ANNAPOLIS". 30.5.41.

(xiv) H.M.S. "MALOJA" from Saint John, N.B. 3.6.41.

(xv) H.M.C.S. "COMOX" from Pictou, N.S. 2.6.41.

(xvi) H.M. Coastguard Cutter "GORLESTON" from New York. 4.6.41.

(xvii) H.M.C. "MOONBEAM" from Shelburne, N.S. 4.6.41.

(xviii) H.M.C.S. "MATAPEDIA" from Sable Island. 5.5.41.

. . . . . .

(xix) H.M.C. Ships "ASSINIBOINE", "NIAGARA", and "SAGUENAY" sailed from United Kingdom for St. John's, Nfld. 29.5.41.

(xx) H.M.C. Ships "COLUMBIA" and "ST. CLAIR" sailed from United Kingdom May 30th for St. John's, Nfld.

(xxi) H.M.C. Ships "OTTAWA" and "RESTIGOUCHE" sailed from United Kingdom June 3rd for St. John's, Nfld.

(xxii) H.M.C. Ships "CHILLIWACK" and "KAMLOOPS" en route to Halifax from Esquimalt, sailed from San Pedro May 26th; they are due Panama June 5th.

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(xxiii) H.M.C.S. "PRINCE DAVID" left Bermuda May 29th for Newfoundland. Flying flag of C. in C., A. & W.I. Admiralty signalled C. in C., A. & W.I. May 30th saying that in view of "PRINZ EUGEN" being at large it was undesirable that he should leave Bermuda at present time. Returned to Bermuda May 30th.

(xxiv) H.M.C.S. "PRINCE ROBERT" departed Suva May 30th escorting "AORANGI" towards Esquimalt to limit of endurance then returning to Suva.

(xxv) H.M.C.S. "NOOTKA" arrived Pictou from Halifax June 1st.

(xxvi) H.M.C. Ships "NANAIMO" and "TRAIL" sailed Esquimalt May 31st via Panama, arrived San Pedro June 3rd and sailed from San Pedro June 4th.

(xxvii) H.M.C.S. "MOONBEAM" arrived Shelburne from Halifax June 2nd.

(xxviii) H.M.C.S. "FORTH" and H.M. Submarine "THUNDERBOLT" arrived St. John, N.B. from Halifax. 26.41.

(xxix) H.M.C.S. "GALT" arrived Quebec from Montreal. 3.6.41.

(xxx) H.M.C.S. "CARTIER" sailed from Saint John, N.B., for Halifax. 4.6.41.

(xxxi) H.M.C. Ships "GALT" and "ARVIDA" sailed from Quebec for Halifax. 4.6.41.

(b) Convoys -

(i) On June 1st a convoy sailed from Sydney under the ocean escort of H.M.S. "DERBYSHIRE". The 46 vessels in the convoy comprised 23 British, 8 Norwegian, 8 Dutch, 1 Panamanian, 5 Greek and 1 Pal.

(ii) On June 1st Halifax, Bermuda and Sydney Sections of a convoy sailed under the ocean escort of H.M.S. "FAMILLIES". The 52 vessels in the convoy comprised 39 British, 9 Norwegian, 1 Dutch, 1 Panamanian, 1 Swedish and 1 Belgian.

(iii) This week there were two independent trans-ocean sailings both from the Atlantic Coast.

4. WORKS.

(a) One hundred and one D.E.M.S. inspections were carried out this week in the following ports: Halifax (58), Saint John (3), Sydney (6), Montreal (31) and Quebec (3).

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(b) Information regarding arming, etc., has been received regarding the following ships:

"VEST"	In hand to mount 3" gun at Saint John.
"HALLANGER"	3" gun mounted at Halifax.
"NEUVA GRANADA"	3" gun mounted at Halifax.
"LISTA"	3" gun mounted at Halifax.
"MARIT"	3" gun mounted at Halifax.
"OCEAN TRANSPORT #25"	Bridge protection completed at Saint John.
"OCEAN TRANSPORT #26"	Bridge protection completed at Saint John.
"SLEMDAL"	In hand to mount 4" gun at Halifax.
"FERNCOURT"	4" gun mounted at Halifax.

(c) The degaussing equipment of 99 ships was inspected in Canada during the week. 96 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States ports:

Ships degaussed	- 11
Repairs carried out	- 5
In hand for D.G.	- 38
In hand for repairs	- 10.

(e) D.T.D.

Inspections of New Construction are being proceeded with by the Inspection Staff at Quebec, Sorel, and Port Arthur. Trials and launchings of New Construction during the past week are - P/Vs -

H.M.C.S. "BUCTOUCHE" :	Full Power Trial successful May 27th; Acceptance Trial successful May 31st.
H.M.C.S. "SASKATOON" :	Endurance and Full Power successful May 28th.
H.M.C.S. "SHERBROOKE":	Acceptance Trial satisfactory June 2nd.

(f) Anticipated Full Power, Endurance, Acceptance, Dock Trials or Commissioning have been received for 11 Corvettes between the 4th of June and 15th of October.

H.M.C.S. "KELOWNA" :	Launched May 28. - M/S
H.M.C.S. "SWIFT CURRENT":	Launched May 29. - M/S
H.M.C.S. "COMICHAN" :	Proposed Basin Trials June 13, Speed June 16, Full Power June 17, Acceptance July 2nd.
H.M.C.S. "NIPIGON" :	Anticipated Dock Trial June 14th, Steaming Trial June 21st.

(g) S.T.T.D.

"STAR XVI" and "SUDEROY VI" have been operating as a pair with the sweeps energized; difficulties have arisen in connection with the master and slave timing gear.

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NOT READABLE
PAS LISIBLE

Installation of electric equipment in "STANDARD COASTER" for use with coil skids is well in hand.

The Controlled Minefield defending Halifax Harbour is not yet in operation as the buildings are not ready for occupation. Shore training of operating personnel is taking place regularly.

(h) R.L.O.

Details of the alterations necessary to convert 3 surplus caterpillar Diesel Generators for use as a power supply for operations at Botwood have been worked out with N.R.C.- alterations arranged for and engineered by N.R.C. under advisement by staff of D.T.D.

Eight inventions were examined and disposed of as valueless.

Rubber and linoleum manufacturers are being investigated as potential producers of non-slip steel deck covering material - it is anticipated that a Canadian product may be made, N.R.C. acting as pilot plant.

(i) I.O.B.

Operations at all bases are proceeding satisfactorily, except that negotiations for Boom Defence Depot at Prince Rupert are still under way and work on A/B Boom at Saint John, N.B., is still in abeyance pending instructions to proceed.

(j) S.A/S.

The number of corvettes fitted with the 123A A/S sets is now 16; "COWICHAN", a M/S, will have her set finished in the very near future.

S/Lt. D. McKnight will be sent to the U.S.A. to take a course in the use and maintenance of the Sono Buoys to be used as submarine detectors.

New developments at St. John's have necessitated the despatching of adequate A/S gear spares for all types of sets to this base; Lieut. Robertson and one E.A. will be sent to the port immediately to keep track of incoming stores and to service the A/S equipped vessels already based there.

(k) R.D.F.O.

In view of the importance of adequate mechanical arrangements for the rotation of the R.D.F. Yagi Antenna, N.R.C. under direction of R.D.F.O. are developing a mechanical shafting gear system for this purpose.

S/Lt. Roue has been appointed to R.D.F. Branch at HQ; he is being instructed in sea-going application of this equipment and in special duties which he will perform in the near future.

R.D.F.O. made arrangements with B.A.T.M. and N.R.C. for the fitting of H.M.S. "MALAYA" in New York for R.D.F. trials on H.M.C.S. "BEAVER" in Halifax on June 9th onwards.

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Mr. Jamieson, W.O., (S.B.) R.D.F. Branch, visited the Research Enterprises Limited factory at Toronto May 29th and 30th to inspect progress made in construction of early samples of the C.S.C. and to obtain corrected blueprints.

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(1) At Sydney work was recently started on the construction of an Asdic Station, a Degaussing Range Building and W/T Station. Work on the Submerged Breakwater at Sydney was resumed after having been stopped during the winter.

Since May 1st, 1941, the following projects have been completed:

East Coast

Repairs to Government Wharf, Gaspe, cost $10,600., dated May 31st.

Naval Stores Building, Gaspe $4900., May 15th.

West Coast

Haulout Slipway for Boom Defence, Esquimalt, $4,000., dated May 1st.

Extension to Signal Bridge, Esquimalt, $2100.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $169,514.04.

6. GENERAL.

(a) Number of messages handled by Ottawa Naval W/T Station during the month of May - 5907 - constitutes a record to date. The number of groups involved - 314,107 - has been exceeded only on one occasion.

(b) H.M.C.S. "SHERBROOKE", a corvette, built by the Marine Industries in Sorel was commissioned June 5th.

(c) H.M.C.S. "BUCTOUCHE", a corvette, was commissioned at Quebec on June 5th. This corvette was built by the Davie Shipbuilding Company.

CHIEFS OF STAFF COMMITTEE

7th June 1941.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 14th June, 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 84.

(For week ending 14th June)

-oOo-

NAVAL SERVICES

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 12th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	298	2,906	3,204
R.C.N.R.	612	3,437	4,049
R.C.N.V.R.	1,638	11,150	12,788
TOTAL . . .	2,548	17,493	20,041

Increase - 110

(b) Recruiting Activities from June 5th, 1941, to June 12th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	0	2
R.C.N.R.	6	9	15
R.C.N.V.R.	80	82	162
TOTAL . . .	88	91	179

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	2	2	4

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Deductions from Strength (Cont'd)

	Officers	Ratings	TOTAL
Discharges (a) Med. Unfit	0	13	13
(b) Other Reasons	0	52	52
TOTAL	2	67	69

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
126	1,176	1,302

2. CASUALTIES.

(a) Frederick O. STREDDER, Paymaster Commander, R.C.N.V.R., died 10th June, 1941.

(b) John SCHIERBECK, Lieutenant, R.C.N.V.R., missing on active service (H.M.S. "GLOUCESTER"), 22nd May, 1941.

(c) R.W. WALDEN, A.B., V.9456, lost overboard from H.M.C.S. "NIAGARA", 5th June, 1941.

(d) Leonard FOWLER, Ord. Smn., V.7934, fell overboard from H.M.C.S. "MOONBEAM", 10th June, 1941.

. . . . . .

TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	30	308	338
Other Deaths	3	30	33
TOTAL	33	338	371
Wounded or Injured . .	1	62	63

3. OPERATIONS.

(a) Ships -

- At Halifax -

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- Departures -

(i) H.M.C.S. "MOOSE" for Sydney. 6.6.41.

(ii) H.M.S. "MALOJA" for Bermuda. 6.6.41.

(iii) H.M.C.S. "CARTIER" for Saint John, N.B. 7.6.41.

(iv) H.M.S. Coastguard Cutters "LANDGUARD" and "GORLESTON" for United Kingdom. 8.6.41.

(v) H.M.S. "LACONIA" for Bermuda. 8.6.41.

(vi) H.M.S. "REVENGE" escorting Convoy HX 132. 10.6.41.

- Arrivals -

(vii) H.M.C.S. "MATAPEDIA" from Sable Island. 5.6.41.

(viii) H.M.C.S. "ARVIDA" from Quebec. 6.6.41.

(ix) H.M.S. "LACONIA". 6.6.41.

(x) H.M.C.S. "GALT". 6.6.41.

(xi) H.M. Submarine "TALISMAN" from patrol duties. 9.6.41.

(xii) H.M.S. "ASCANIA" from Iceland. 9.6.41.

(xiii) H.M.S. "REPULSE" sailed from St. John's, Nfld., June 9th for Halifax.

(xiv) H.M.C.S. "PRINCE DAVID" from Bermuda. 10.6.41.

(xv) H.M.S. "BUXTON" from St. John's, Nfld. 10.6.41.

(xvi) H.M. Submarine "THUNDERBOLT" 8.6.41; sailed on patrol 11.6.41.

(xvii) H.M.C.S. "WOLFE". 11.6.41.

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(xviii) H.M.S. "CANDYTUFT" (Corvette) sailed from St. John's, Nfld., June 5th for Conception Bay. Returned St. John's again 5th June.

(xix) H.M.C. Corvettes "CHILLIWACK" and "KAMLOOPS" arrived Colon June 5th. Arrived Kingston June 8th en route to Halifax.

(xx) H.M.S. "HONEYSUCKLE" (Corvette) arrived St. John's, Nfld., June 5th.

(xxi) H.M.S. "CANTON" sailed from New York June 11th after refit.

(xxii) H.M.C.S. "SHERBROOKE" sailed from Quebec June 10th for Halifax.

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(xxiii) H.M.C.S. "NIAGARA" arrived St. John's, Nfld., June 7th.

(xxiv) H.M.C.S. "OTTAWA" arrived St. John's, Nfld., June 10th.

(xxv) H.M.S. "ROMSEY" arrived at St. John's, Nfld., 11th June.

(xxvi) H.M.S. "RANPURA" arrived Sydney, June 9th. Sailed 11th June escorting S.C. 34.

(xxvii) H.M.C.S. "SAGUENAY" arrived St. John's, Nfld., June 7th.

(xxviii) H.M.C.S. "ST. CLAIR" arrived Newfoundland June 7th.

(xxix) H.M.C.S. "RICHMOND" arrived St. John's, Nfld., June 11th.

(xxx) H.M.C.S. "RESTIGOUCHE" arrived St. John's, Nfld., 10th June.

(xxxi) H.M.S. "REPULSE" sailed from St. John's, Nfld., June 8th for Halifax.

(xxxii) H.M.S. "FORTH" sailed from Saint John, N.B., with "THUNDERBOLT" for Halifax June 8th.

(xxxiii) H.M.S. "LACONIA" arrived Bermuda from Halifax. 11.6.41.

(xxxiv) H.M.C.S. "COLUMBIA" arrived St. John's, Nfld., June 7th.

(b) Convoys -

(i) On June 6th the Halifax, Bermuda and Sydney Sections of a convoy sailed under the ocean escort of H.M. Ships "CHESHIRE", "PICTOU" and "RIMOUSKI". The 43 ships in the convoy comprised 29 British, 10 Norwegian, 2 Dutch, 1 Belgian and 1 Greek.

(ii) On June 10th a convoy sailed from Sydney under the ocean escort of H.M.S. "RANPURA". The 35 vessels in the convoy consisted of 22 British, 9 Norwegian, 3 Greek and 1 Dutch.

(iii) On June 10th Halifax, Bermuda and Sydney Sections of a convoy sailed under the ocean escort of H.M. Ships "REVENGE" and "MALOJA". The 34 vessels in the convoy comprised 23 British, 6 Norwegian, 3 Dutch, 1 Greek and 1 Swedish.

4. WORKS.

(a) D.E.M.S. inspections this week numbered 10 due to non-receipt of reports from Eastern ports. The inspections reported were: Quebec (4), Montreal (3), Esquimalt (2) and Halifax (1).

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(b) Information regarding arming, etc., has been received regarding the following ships:-

"ASKILD"	In hand bridge protection and stiffening at Saint John
"SLEMDAL"	4-in. gun mounted at Halifax
"RADCOMB"	4-in. gun mounted at Halifax
"VEST"	3-in. gun mounted at Saint John.
"RADCHURCH"	4-in. gun mounted at Halifax.
"BELITA"	4-in. gun mounted at Halifax.
"REGINOLITE"	4-in. gun mounted at Halifax.
"CAP DES PALMES"	3-in. gun mounted at Halifax.

Advice has been received from the Admiralty that four officers and two ratings are being appointed to New York to form a nucleus D.E.M.S. Staff.

(c) The degaussing equipment of 8 ships was inspected in Canada during the week. 7 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States ports:

Ships degaussed	- 8
Repairs carried out	- 4
In hand for D.G.	- 50
In hand for repairs	- 4.

(e) D.T.D.

Inspections of New Construction are proceeding under the Inspection Staff at Montreal, Collingwood, Toronto, Sorel and on the West Coast.

Trials and commissioning of ships for the R.C.N. during the past week took place in regard to:-

CORVETTES: "BUCTOUCHE" - Commissioned June 5th.
"SASKATOON" - Accepted June 6th; Commissioned June 12th.
"MOOSEJAW" - Passed Endurance and Full Power Trials June 9th.
"KENOGAMI" - Lying at Montreal due to boiler trouble.

MINESWEEPERS:

"NIPIGON" - Generator tests to be conducted June 11th.
"WASAGA" - Progressive Turning and Astern Trials successful, Full Power successful June 11th; Acceptance June 13th.

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(f) S.T.T.D.

Working drawings for the manufacture of an electric hammer-type sweep for acoustic mines are nearly completed. These drawings are being made from arrangement drawings supplied by Admiralty.

Trials have been made in the N.R.C. testing tank of a device which is being developed in the U.S.A. for acoustic minesweeping.

The assistance of the Metallurgical Laboratory of the Department of Mines and Resources has been obtained in connection with the specification for and production of armour plate for bridge protection and gun shields.

(g) R.L.O.

Water channel tests on the MIT parallel pipe system for the countermining of acoustic mines were carried out to ascertain the optimum pipe size and towing speed required. It is proposed to obtain data on a suitable set-up for use in the event that it is desirable to adapt this type of gear in the future.

In collaboration with the N.R.C., the Dominion Rubber Company produced several samples of non-slip deck covering for laboratory test. For destroyer use, in particular, a major requirement is that the material shall not cause or promote rusting of the deck to which it is applied. Coverings in use on U.S.N. ships are faulty in this respect, apparently due to the excessive amount of chemical used to promote rapid setting after application.

Comparative tests are being made between a type of Ear Defender issued to R.N. personnel for protection against gun blast, and a similar product of the Mine Safety Appliance Company.

Photog. (N) has been making a series of photographs showing equipment in use in the laboratories.

The search for a cork substitute has resulted in the development of a material lighter than cork, possessing greater strength and capable of being produced at low cost from very cheap and abundant basic materials.

Five inventions were examined for possible Naval applications. Inventions Board examiners weed out the obviously unsuitable or absurd ideas and submit only the ones about which there exists some doubt as to the value to the R.C.N.

(h) I.O.B.

All operations proceed according to schedule, with the exception of those at Saint John, N.B., where the A/B boom is still in abeyance. Decision, however, is expected this week with regard to its adoption. The site of boom defence property has been settled at Prince Rupert, B.C., but the lease has not yet been signed.

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A fire occurred on the morning of June 3rd on the gate attendant vessel "ATTENDANT", but was extinguished before much damage was done.

(i) S.A/S.

The total of newly commissioned Corvettes fitted with A/S gear is now 20 ships.

Constant attention is being paid to the A/S requirements arising out of the new developments at St. John's, Nfld.

Echo-sounding equipment has been ordered for the A/S School at Halifax for use in instruction of officers and ratings. Gramaphone records and instructional films are also being obtained for the schools.

Operations at all bases are proceeding satisfactorily according to schedule.

(j) R.D.F.O.

Further to the report of May 6th, arrangements have been made with the Research Council for preparation of suitable text book on R.D.F. to be used in our instructional work. When this is completed---probably 1 - 2 months---there will be available for R.C.N. use six volumes, i.e. (1) Full data on C.S.C. Sets; (2) N.R.C. text book; (3) Syllabus for operator's instruction; (4) Syllabus for maintenance instruction; (5) Equipment for instruction at Halifax; (6) Complete equipment for testing, repair, and instruction at Halifax and West Coast.

R.D.F.O. is proceeding to Halifax with Dr. Henderson and Ross Smyth of N.R.C. to take part in trials of the C.S.C. set fitted in H.M.C.S. "BEAVER" by N.R.C. and R.C.N. personnel.

The C.D. Station at Duncans is in process of installation, personnel employed being N.R.C. engineers and R.C.N. labour, with completion expected in 2 - 3 months. An antenna expert from N.R.C. will be used in this operation, and will conduct experiments with the object of improving R.C.N. ship R.D.F. antennae.

In view of the serious situation regarding design, manufacture, and supply of aerial rotating mechanism, it was considered advisable to enlist outside assistance. At R.D.F.O. request N.R.C. called Mr. Wilbur of Ajax Engineering Co., Toronto, for consultation. A complete assembly is expected to be ready for inspection within ten days. If the sample is satisfactory it will be installed in "BEAVER" for sea trials and adopted for general use as part of "C.S.C.".

A meeting was held, through which it is probable that agreements can be reached which will speed up development and delivery of essential R.D.F. equipment of a committee of R.C.N. and N.R.C. personnel.

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5. STORES.

The equipment purchased by the Naval Stores amounted this week to $65,336.50.

6. GENERAL.

(a) H.M.C.S. "BUCTOUCHE" was commissioned June 5th and sailed from Quebec June 6th for Halifax and Sherbrooke.

(b) H.M.C. Ships "PICTOU" and "RIMOUSKI" departed Halifax June 6th as escort HX 131. Proceeding to Iceland to fuel after leaving convoy, thence returning to St. John's, Nfld.

(c) H.M.C.S. "PRINCE DAVID" left Bermuda June 8th; arrived Halifax June 10th flying flag of C.-in-C., A.& W.I. C.-in-C., A.& W.I. intends visiting Ottawa and will return to ship June 17th. He will not visit Newfoundland.

(d) H.M.C.S. "PRINCE HENRY" under repair at Esquimalt; expected completion date--July 22nd, 1941.

CHIEFS OF STAFF COMMITTEE

14th June 1941.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 21st June, 1941.

Summary of Information Respecting
Departmental Activities.

SUMMARY NO. 85.

(For week ending 21st June)

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N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 19th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	300	2,906	3,206
R.C.N.R.	619	3,447	4,066
R.C.N.V.R.	1,679	11,180	12,859
TOTAL . . .	2,598	17,533	20,131

Increase - 90

(b) Recruiting Activities from June 12th, 1941, to June 19th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	0	2
R.C.N.R.	7	14	21
R.C.N.V.R.	43	62	105
TOTAL . . .	52	76	128

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(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
Discharges (a) Med. Unfit	2	8	10
(b) Other Reasons	0	26	26
TOTAL	2	36	38

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
130	1,234	1,364

2. CASUALTIES.

(a) Allan DOWNES, E.R.A., V.6613, died June 16th, 1941.

(b) Harold RESNICK, Teleg., V.5921, died June 17th, 1941.

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TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	30	308	338
Other Deaths	3	32	35
TOTAL	33	340	373
Wounded or Injured	1	62	63

3. OPERATIONS.

(a) Ships -

- At Halifax -

- Departures -

(i) H.M.C. Ships "RESTIGOUCHE", "COLUMBIA", "NIAGARA", "SAGUENAY", "COBALT" and H.M. Ships "RICHMOND", "ROMSEY", "CANDYTUFT", escorting con-

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voy HX 132 and S.C. 34 in Newfoundland area. 11.6.41.

(ii) H.M.S. "ASCANIA" for Bermuda. 13.6.41.

(iii) H.M.C. Ships "OTTAWA", "ORILLIA", "COLLINGWOOD", "CHAMBLY" and H.M. Ships "WOLFE" and "LACONIA" escorting convoy HX 133. 16.6.41.

(iv) H.M.C.S. "ANNAPOLIS" as local escort. 16.6.41.

(v) H.M.C.S. "PRINCE DAVID" wearing flag of C.in C., A. & W.I. for Bermuda. 18.6.41.

(vi) H.M.C.S. "ST. LAURENT" to search for reported submarine. 17.6.41.

(vii) H.M.S. "AUSONIA" escorting S.C. 35 which sailed from Sydney. 18.6.41.

- Arrivals -

(viii) H.M.C.S. "ANNAPOLIS". 12.6.41.

(ix) H.M.C.S. "BUCTOUCHE" from Quebec. 13.6.41.

(x) H.M.S. "AUSONIA". 13.6.41.

(xi) H.M.C.S. "VISON" from Bermuda. 13.6.41.

(xii) H.M.C.S. "SHERBROOKE" from Quebec. 13.6.41.

(xiii) H.M.S. "RAMILLIES". 14.6.41.

(xiv) H.M.S. "MALOJA". 15.6.41.

. . . . . .

(xv) H.M.C. Corvettes "KAMLOOPS" and "CHILLIWACK" sailed from Kingston, Jamaica, for Halifax and were ordered to search for U-boat which was reported 11.6.41.

(xvi) H.M.C.S. "SASKATOON" now en route to Halifax sailed from Montreal for Quebec. 12.6.41.

(xvii) H.M.C. Ships "SHERBROOKE", "BUCTOUCHE", "VENOSTA", "VIERNOE" sailed from Quebec on June 10th and arrived Halifax June 12th, thence sailed for Saint John, N.B., departed Saint John, N.B., June 13th, arrived Halifax June 14th, departed Halifax June 16th, arrived Sydney, Cape Breton, June 17th.

(xviii) H.M.C.S. "PRINCE ROBERT" arrived Auckland June 15th returning from escorting "AORANGI" towards Esquimalt. Departed Auckland June 18th escorting "AWATEA".

(xix) H.M.C.S. "CHAMBLY" arrived St. John's, Nfld. 15.6.41.

(xx) H.M.C.S. "MOOSE JAW" passed Port Colborne en route to Halifax. 16.6.41.

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(xxi) H.M.C. Corvettes "NANAIMO" and "TRAIL" arrived Panama Canal from Esquimalt on June 14th and arrived Kingston, Jamaica en route to Halifax. 18.6.41.

(b) Convoys -

On June 16th, the Halifax, Bermuda and Sydney Sections of a convoy sailed under the ocean escort of H.M. Ships "WOLFE" and "LACONIA". The 44 ships in the convoy comprised 34 British, 6 Norwegian, 3 Dutch and 1 Greek.

This week there were five independent trans-ocean sailings all from the Atlantic Coast.

4. WORKS.

(a) Two hundred and sixteen D.E.M.S. inspections were carried out during the week at the following ports:- Halifax (82), Sydney (64), Montreal (59), Quebec (7) and Saint John (4).

(b) Information regarding arming, etc., has been received regarding the following ships:-

"JOHN W. MACKAY"	- In hand mounting 4" gun at Halifax.
"HAVPRINS"	- " " " " " " "
"SCANDIA"	- 4" gun mounted at Halifax.
"KATVALDIS"	- " " " " "
"BELLO"	- " " " " "
"EMMA BAKKE"	- " " " " "
"CHRISTOPHER"	- In hand mounting 4" gun at Halifax.
"JEAN JADOT"	- " " " " " " "
"VELOX"	- 4" gun mounted at Esquimalt.

(c) The degaussing equipment of 207 ships was inspected this week in Canadian ports. 203 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States ports:-

Ships degaussed	12
Repairs carried out	5
In hand for D.G.	52
In hand for repairs	- 6.

(e) D.T.D.

Inspections of New Construction are proceeding under the staff at Toronto, Port Arthur, Kingston, Montreal and Sorel.

D.T.D. is en route to Halifax for the purpose of inspection of R.D.F., A/S and newly commissioned Corvettes.

A/D.T.D. is at Montreal in charge of Trials arrangements of three ships.

Trials and Commissioning of ships for R.C.N. during the past week took place in regard to:-

H.M.C.S. "SASKATOON" : Commissioned June 9th

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H.M.C.S.	"LETHBRIDGE"	: Endurance and Full Power Trials, June 17th, Acceptance Trial June 23rd.
	"PRESCOTT"	: Acceptance Trial successful June 12th.
	"ALGOMA"	: Anticipated trials June 18th.
	"TI MINS"	: Anticipated launching June 26th.
	"SHEDIAC"	: Basin Trial, 19th June, Endurance 20th, F.P. 21st.

MINESWEEPERS:

H.M.C.S.	"RED DEER"	: Launched June 12th.
	"WASAGA"	: Armament Trial June 12th.

ANTICIPATED TRIALS & LAUNCHES

H.M.C.S.	"MEDICINE HAT"	: Launching June 26th.
	"VEGREVILLE"	: Launching 2nd week in August
	"GRANDMERE"	: Launching 3rd week of August
	"CLAYOQUOT"	: Steaming Trial July 2nd or 3rd.

(f) S.T.T.D.

Detail work on the design of electrical equipment for Bangor class M/S is making good progress; information is being sent to D.N.S. as each item is settled, so that orders can be placed.

"SUDEROY VI" and "STAR XVI" have been operated successfully with the master and slave gear working.

A lecture was givenin the N.R.C. auditorium regarding chemical warfare.

S.T.T.D. is at present in Halifax on duty.

(g) R.L.O.

Guidance in the use of a suitable plastic for C.S.A. equipment nozzles has been extended to the company moulding this item. Admiralty specification for C.S.A. mixture calls for 50% chlorsulphonic acid and 50% sulphur trioxide as compared with 45% and 55% respectively of the standard C.I.L. mixture, an increase of .75 in cost; comparative tests are being conducted to determine whether there is justification in the use of the higher percentage of C.S.A.

Plastic compound for use in ship's electrical installation will be produced by the chemistry division of N.R.C., and should results prove satisfactory, N.R.C. will act as pilot plant for Canadian compound manufacturers.

(h) I.O.B.

All operations proceed satisfactorily and according to schedule. Following is a summary of the Boom Defence activities carried out at the undermentioned ports:-

SYDNEY, N.S.

A/S boom now in operation, with great credit

.....6

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due to Lieut. Singleton - in charge of operations - Sydney Boom Defence Personnel, and to Captain Fortin of the "DRUID", who worked under the handicap of having no tugs to assist, "DRUID" having to do all the work.

HALIFAX, N.S.

Rebuilding of barrage in Eastern Passage destroyed by the storm last September completed.

SHELBURNE, N.S.

Work proceeding on the slab, concrete anchors, building, etc. A recommendation is forward to have the Shelburne wharf repaired so that a railway car may be run on to it.

St. JOHN'S, NFLD.

Seventeen concrete anchors out of 58 completed. Work proceeding rapidly on repairs to the wharf. Work on laying of destroyer moorings proceeding according to schedule.

PRINCE RUPERT, B.C.

Work proceeding rapidly on the new Gate Vessels for this port, expected to be completed in August. Temporary Gate Vessels will be towed from Esquimalt at the same time as concrete anchors, nets and other component parts.

A Contract Demand has been raised to cover cost of installing first line of Boom, work expected to start shortly.

Negotiations not yet completed for rental of land required for Boom Defence Depot.

(i) S.A/S.

The second class of 50 ratings training for A/S duties at the University of Toronto should graduate August 5th. Recruiting is under way to enlist a further 50 to start divisional courses June 21st and enter University 11th August. A class of 55 ratings undergoing courses at University of Western Ontario will graduate during the 2nd week in July. Arrangements are now being made to procure personnel from technical schools across Canada. In the A/S schools, arrangements have been made to supply further A/S gear.

At St. John's, Nfld., an attack teacher A/S 22 has been ordered for use to maintain the efficiency of A/S operators in attacking procedure. It is not proposed to set up an A/S school at St. John's.

Installation of Type 123A sets in Corvettes has now reached a total of 23, while the first Type 128 set installed in "COWICHAN" is 95% complete. Installation of Type 134 sets, has not yet begun, but Type 135 sets are being fitted in 3 of the gate vessels in Halifax.

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The U.S. Naval Attache in Ottawa has been informed that the laying of loop cable will commence June 23rd, and arrangements will be made for a U.S. Naval officer to witness the installation.

S.A/S. is in Halifax witnessing the R.D.F. trials in H.M.C.S. "BEAVER".

(j) R.D.F.O.

Lieut.-Commander Argyle has returned from trials of H.M.C.S. "BEAVER" - C.S.C. set installation - and made a full report on the test of this Canadian equipment.

Further progress is reported on the preparation of text books regarding R.D.F.

5. STORES.

The equipment purchased by the Naval Stores amounted this week to $525,516.00.

6. GENERAL.

H.M.C.S. "PRINCE HENRY" under repair in Esquimalt and expects to complete July 22nd.

CHIEFS OF STAFF COMMITTEE

21st June 1941.

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Mr Gibson

SECRET

COPY NO. 1. L. H

DEPART ENT OF NATIONAL DEFENCE

C173103

HQ.S. 5199-U, Vol. 9.

Ottawa, 28th June, 1941.

Summary of information Respecting
Departmental Activities.

SUMMARY NO. 86.

(For week ending 28th June)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilized strength of the Royal Canadian Navy and Reserve Forces as at June 26th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	300	2,933	3,233
R.C.N.R.	621	3,465	4,086
R.C.N.V.R.	1,694	11,407	13,101
TOTAL	2,615	17,805	20,420

Increase -289

(b) Recruiting Activities from June 19th, 1941, to June 26th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	27	27
R.C.N.R.	2	19	21
R.C.N.V.R.	15	243	258
TOTAL	17	289	306

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
Discharges (a) Med. Unfit	0	4	4
(b) Other Reasons	0	11	11
TOTAL.	0	17	17

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL.	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
126	1,298	1,424

2. CASUALTIES

(a) William H. BARTON, A.B., R.C.N.R., A.3318 died June 25th, 1941.

(b) Kenneth James COLES, Ord. Tel., R.C.N.V.R., V.7700, died June 25th, 1941.

(c) John SCHIERBECK, Lieut., R.C.N.V.R., reported missing on Report No. 92; now found to be safe and added to strength in Section I above.

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TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	29	308	337
Other deaths.	3	34	37
TOTAL.	32	342	374
Wounded or Injured	1	62	63

3. OPERATIONS

(a) Ships - At Halifax-

- Departures -

(i) H.M. Ships "AUSONIA" and "ABERDEEN" escorting S.C. 35. 21.6.41.

(ii) H.M.S. "RAMILLIES" on escort duties. 21.6.41.

(iii) H.M.C.S. "NAPANEE" as local escort to convoy HX 134. 21.6.41.

(iv) H.M. Destroyers "HAVELOCK" and "HARVESTER" on escort duties. 21.6.41.

(v) H.M.S. "REPULSE" on escort duties. 21.6.41.

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(vi) H.M.C. Ships "CHICOUTIMI" and "MOONBEAM" for St. John's, Nfld. 23.6.41.

(vii) H.M.C. Ships "ST. LAURENT" and "SKEENA" on escort duties.

(viii) H.M.C.S. "ARVIDA" for patrol duty in Halifax approaches. 24.6.41.

(ix) H.M.S. "LONDONDERRY" and H.M.C. Ships "MATAPEDIA" and "BARRIE" escorting HX 135. H.M.C.S. "ST. CROIX" escorting Sydney section of HX 135 from Sydney. 26.6.41.

- Arrivals -

(x) H.M.C. "CHILLIWACK" and "KAMLOOPS" from Kingston, Jamaica. 17.6.41.

(xi) H.M.C.S. "SASKATOON" from Quebec. 23.6.41.

(xii) H.M.C.S. "ANNAPOLIS" from convoy escort. 23.6.41.

(xiii) H.M.C.S. "SNOWBERRY" from patrol duty. 23.6.41.

(xiv) H.M.S. "LONDONDERRY" with H.M. Corvettes "ARROWHEAD" and "CAMELIA". 23.6.41.

(xv) H.M.C.S. "ST. CLAIR" from St. John's Nfld., 23.6.41.

(xvi) H.M.C.S. "COLUMBIA" from St. John's, Nfld., 25.6.41.

(xvii) H.M.S. "REVENGE" from patrol duty. 25.6.41.

(xviii) H.M.S. "ASCANIA". 25.6.41.

(xix) H.M.S. "BULOLO" from patrol duties. 25.6.41.

(xx) H.M.S. "CALIFORNIA" from patrol duties. 25.6.41.

(xxi) H.M.C.S. "ROSTHERN" from Quebec. 26.6.41.

(xxii) H.M.C.S. "SPIKENARD". 26.6.41.

(xxiii) H.M.S. "AURANIA" from patrol duties. 26.6.41.

- At St. John's -

(xxiv) H.M.S. "PRIMROSE" arrived and sailed on escort duties. 20.6.41.

(xxv) H.M.C.S. "CHAMBLY" sailed on patrol duties. 21.6.41.

(xxvi) H.M.C.S. "HEPATICA" sailed on patrol duties. 23.6.41.

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(xxvii) H.M.C.S. "COLUMBIA" sailed for Halifax. 23.6.41.

(xxviii) H.M.C.S. "ANNAPOLIS" sailed for Halifax. 23.6.41.

(xxix) H.M.C.S. "ST. CLAIR" sailed for Halifax. 23.6.41.

(xxx) H.M.C.S. "WINDFLOWER" arrived. 20.6.41.

(xxxi) H.M.S. "CHURCHILL" arrived. 24.6.41.

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(xxxii) H.M.C. Ships "TRAIL" and "NANAIMO" sailed from Kingston, Jamaica for Halifax. 21.6.41.

(xxxiii) H.M.C. Ships "BARRIE", "MATAPEDIA" and "DAUPHIN" sailed from Quebec for Halifax. 22.6.41.

(xxxiv) H.M.C.S. "PRINCE ROBERT" sailed from Suva escorting S.S. "AWATEA". 21.6.41.

(xxxv) H.M.C.S. "PRINCE DAVID" arrived Bermuda from Halifax, June 19th and again sailed from Bermuda as escort to convoy. 24.6.41.

(xxxvi) H.M.C.S. "MOOSEJAW" sailed from Quebec for Halifax. 24.6.41.

(xxxvii) H.M.C.S. "DAUPHIN" arrived Sydney from convoy escort duties. 26.6.41.

(xxxviii) H.M.C.S. "PRESCOTT" sailed from Kingston, Ontario for Halifax. 26.6.41.

(xxxix) H.M.C.S. "NAPANEE" arrived Sydney from escort duties. 26.6.41.

(xl) H.M.C. Ships "RIMOUSKI", "PICTOU" and "COBALT" will leave Iceland escorting outbound convoys to Halifax.

(xli) H.M.C. Ships "AGASSIZ", "ALBERNI" and "WETASKIWIN" were operating as ocean escorts for convoy refuelling at Iceland and returning to Halifax.

(xlii) H.M.C. Ships "NIAGARA", "SAGUENAY", and "OTTAWA" also acted as local escort to convoy.

(b) <u>Convoys</u>

On June 20th, the Halifax, Bermuda and Sydney sections of a convoy, sailed under the ocean escort of H.M.S. "MALOJA". The 49 ships in the convoy comprised 40 British, 6 Norwegian, 1 Greek, 1 Dutch, 1 Belgian.

A convoy sailed from Sydney on June 21st under the ocean escort of H.M.S. "AUSONIA". The 38 ships in the convoy comprised 27 British, 5 Norwegian, 4 Greek, 1 Dutch, 1 Polish.

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During the week there were two independent trans-ocean sailings, one from the Atlantic Coast and one from the Pacific Coast.

4. WORKS

(a) M.E.O. D.E.M.S. inspections were carried out during the week at the following ports: Halifax (59), Sydney (28), Montreal (24), Quebec (9), Saint John (3).

(b) Information regarding arming etc. has been received regarding the following ships:

"JEAN JADOT"	4" gun mounted	Halifax
"CHRISTOPHER KNUDSEN"	4" gun mounted	"
"MERCER"	4" gun mounted	"
"BANGU"	In hand mounting 4"	"

(c) The degaussing equipment of 119 ships reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States ports:

Ships degaussed	18
Repairs carried out	3
D. G. modifications	3
In hand for D.G.	46
In hand for repairs	4
In hand for modification	0

(e) D.T.D. Inspection of New Construction is proceeding under the staff at Toronto, Port Arthur, Montreal, Sorel and Quebec.

Trials and Commissioning of ships for R.C.N. during the past week took place in regard to H.M.C.S.

CORVETTES	
"ALGOMA"	Endurance and Full Power Trials June 19th.
"CAMROSE"	Endurance, Astern and Turning Trials June 19th, Full Power June 23rd.
"MOOSE JAW"	Commissioned June 19th.
"ROSTHERN"	Commissioned June 17th.
"SHEDIAC"	Endurance, Full Power, Astern and Turning Trials June 21st.
"OAKVILLE"	Launched June 21st.
"LETHBRIDGE"	Acceptance Trial June 23rd.
ANTICIPATED TRIALS	
"SHEDIAC"	Anchor Trials, Anchor Trial not satisfactory, June 21st, to be tried again at Acceptance Trial.
"CAMROSE"	Acceptance June 28th.
"LETHBRIDGE"	Acceptance June 23rd.
MINESWEEPERS	
"COWICHAN"	Successful Trials carried out - Full Power June 18th, Progressive, Armament, Turning and Astern, June 16th.

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"THREE RIVERS" Launched June 21st.
"BROCKVILLE" Launched June 21st.

(f) S.T.T.D. In regard to Acoustic Minesweeping, the peculiar bow structure of the SUDEROYS makes it impracticable to attach acoustic M/S hammer boxes without extensive alterations; it has been decided to recommend that the boxes be fitted on the FUNDYS instead; drawings are in hand accordingly.

Spare mineloops, additional cable, special tools and equipment for Halifax Controlled Minefield have been shipped or are ready for shipment, from England, while the buildings at the control station have been completed, all equipment set up, connected, and regular watches are being kept.

(g) R.L.O. Comparative tests of the smoke-producing properties of Admiralty and standard C.I.L. chlorsulphonic acid sulphur trioxide mixtures show that the less costly C.I.L. mixture is equally effective as that of the Admiralty.

Tests are being conducted on the Composite Rubber Self-healing covering used for bullet proofing M.T.B. gasoline tanks to indicate the suitability of this material as a covering for exposed fuel oil tanks on other types of craft.

N.R.C. has experimented with various transparent materials in an endeavour to find a suitable one for application to window glass as a shatterproofing agent.

Dr. G. Field has returned from the U. K. with considerable information on technical matters concerning the Navy. Reports on his observations are being prepared.

(h) I.O.B. Boom defence work progresses according to schedule. Following is a summary of the main Boom Defence activities carried out at the under-mentioned ports:-

SAINT JOHN, N.B. Instructions have been received to lay one half of the A/B Boom.

ESQUIMALT, B. C. At this base complete A/T net will be finished by June 30th. The A/Inspector of Booms is proceeding to Prince Rupert to supervise the installation of the A/S net.

PRINCE RUPERT, B.C. Information is received that the lease for the Boom Defence Depot site on the Imperial Oil Company's property has been arranged. The MacKenzie Barge and Derrick Co. of Vancouver has offered to build for the Department a suitable Derrick Scow for maintenance of the boom at this port. Details and prices of purchase or rent are expected, and if not satisfactory, it is proposed to have a new boat built to plans and specifications prepared by the Department.

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(i) S. A/S A circular has been forwarded to all Canadian universities requesting a list of recently qualified graduates in electrical engineering, in hopes that the A/S branch may keep up and improve the standard of new entry officers.

The laying of loop cable for the H.D.A. Station at Halifax should be taking place.

In collaboration with Military authorities discussions are under way to decide requirements for the H.D. A/S and Sono Buoys at Botwood. The Sono Buoys will not be available for 5 weeks.

(j) R.D/F.O. Progress has been made in eliminating the most serious obstacle to the general fitting of our ships with the C.S.C. set; two generators will be available by the end of the month, and the completion of fitting H.M.C.S. "BADDECK" and "SHERBROOKE" may then be completed. It is intended to utilize vibrator converters from 110 D.C. to 120 A.C. 60 cycles as a substitute for the motor generators until the latter are available in quantity.

Arrangements are being made for the provision of spare parts for the A.S.V. sets now installed on several of our River Class Destroyers and on many R.N. ships of the destroyer type.

N.R.C. has expedited work on the requested design of a more efficient R.D.F. antenna. The Yagi suffers from back-radiation, causing interference on the C.R. screen from ships on reciprocal bearings. It is intended to install the 1st experimental model in "BEAVER" towards the end of the month and try it out under sea conditions.

Fifteen S/Lts., R.C.N.V.R. (S.B.) continue at the N.R.C. in actual construction of C.S.C. sets under supervision, obtaining valuable practical experience which will enhance their value to Admiralty when they arrive on the other side. "BARM" is expected to request the loan of 2, who are selected and are ready to proceed to Wasnington.

Coast defence R.D.F. equipment is being shipped to Halifax for installation at Duncan's Cove by N.R.C.

(k) D.G.O. Degaussing installations in H.M.C. ships were inspected at the following shipyards - Port Arthur, Collingwood, Midland, Toronto. The question of nondelivery of control equipment was taken up with the manufacturers in Toronto, and assurance gained that such equipment would be shipped at the rate of one set a day.

D.G. Ranges at Sydney and Vancouver progress very slowly owing to production difficulties, while the contract for the Sydney Range Hut has been let and construction started.

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5. STORES.

The equipment purchased by the Naval Stores amounted this week to $20,106.00.

6. GENERAL.

(a) H.M.C.S. "SKEENA" which was undergoing refit work at Halifax, was completed on May 20th, 1941.

CHIEFS OF STAFF COMMITTEE

28th June
1 9 4 1

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N.S. 1000-5-8.

SECRET.

SUMMARY OF NAVAL WAR EFFORT

- April 1st TO June 30th 1941 -

NOTE: This Summary is a continuation of that from January 1st to March 31st 1941.

I. Naval Service Headquarters.

II. Personnel.

III. Ships.

IV. Port Defences.

V. Communications.

VI. Control of Merchant Shipping.

VII. Dockyards.

VIII. Intelligence.

IX. Supply.

X. Armament.

XI. Anti-submarine.

XII. Research.

NOTE: Items marked thus: # must NOT be made public.

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I - NAVAL SERVICE HEADQUARTERS.

1. The Minister and the Chief of the Naval Staff, with their Deputies and other departments, moved into the reconstructed Aylmer Building during the first week of June. On June 1st the establishment was commissioned H.M.C.S. "BYTOWN".

2. This move has to some extent relieved the serious accommodation situation at N.S.H.Q. Already, however, all available space has been occupied and part of the C.T.O.(N) Staff is to be housed in the Elgin Building. The Equipment Division remains separately accommodated at 1153 Wellington Street.

3. Attached diagram shows distribution of Staff:-

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Aylmer

Nav. Sec D.P.D. S.D.O. Codes + Cyphers Board Room	6
Minister - Dep. Minister C.N.S. D.C.N.S. D.O.D.	5
D.N.I - M.M.S.	4
F.I.S. - D.W.B (N) A/S.	Annex Boom Def. 3 M.E.O.
D.T.D. - C.T.O (N) Women's Aux. Nav. Hist	2 D.N.O
Central Registry Intelligence Records	Nav. Info. 1 Pholog (N)
Canteen	Pholo B Stores

H.S.H.Q.

Robinson

Stores
Stores
Personnel
N.D.A
N.P.R. - D.N.A.
Dormant Records.

Truro

Engineers Shipbuilding

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II - PERSONNEL

Strength

1. At the end of the first quarter of the new fiscal year enlistments are slightly ahead of the recruiting programme.

2. Mobilised strength at the end of this quarter is 2,615 Officers, 17,805 ratings.

3. In addition Divisional Strength at R.C.N.V.R. Divisions is 362 Officers and 837 ratings. Divisional Strength is not up to complement at this date, as 250 Officers and 1,400 ratings have only recently been mobilised.

Entry and Training

- Officers -

4. Applications for entry as Officers continue to flow in unabated, though the standard shows a slight decline. Direct entry as Officers continues to be by selection. Officers other than Special Branch are attached initially to R.C.N.V.R. Divisions as Probationary Sub-Lieutenants pending draft to a Training Establishment at Halifax or Esquimalt for a three months' course.

5. New Entry Officers under training now number:-

5 R.C.N. Cadets at Dartmouth Naval College.

7 R.C.N. Midshipmen (E) or Cadets (E) at Keyham.

117 Prob. Sub-Lieutenants at Stadacona.

124 Prob. Sub-Lieutenants at Royal Roads.

34 Prob. Pay. Sub-Lieutenants at Stadacona.

42 Prob. Sub-Lieutenants (E) at Stadacona.

25 Lieutenants (Yachtsmen) for service United Kingdom left Canada June 21st for U.K.

20 Civilian Schoolmasters have been taken on for training centres to re-teach elements of arithmetic, spelling to new entries.

15 Prob. Sub-Lieutenants (S.B.) are in Ottawa continuing their training under Professor Henderson at National Research Council.

15 Prob. Sub-Lieutenants (S.B.) who took course at Toronto University have been sent U.K. for service.

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1 Prob. Sub-Lieutenant sent Royal Roads has been found unfit for Executive Branch and has been transferred to Accountant Branch and is being sent to Halifax for course, July 2nd.

90 Prob. Sub-Lieutenants passed course at Royal Roads.

6 were discharged as unsuitable.

3 Prob. Sub-Lieutenants (E) passed.

1 Prob. Sub-Lieutenant (E) was discharged.

6. Training of R.C.N.V.R. Officers for Specialist duties in Gunnery, Torpedo and Anti-Submarine continues at Halifax and at sea in R.N. Ships. A long Navigation course for R.C.N.V.R. Officers at Halifax is projected.

Arrangements have also been made with Admiralty to train Prob. Sub-Lieutenants (E) in Engine-room duties in R.N. ships.

Ratings.

7. New Entry Reserve ratings except higher rates, Artificers and Shipwrights undergo a standard 8 weeks new entry course at R.C.N.V.R. Divisions. To facilitate selection for non-substantive rates this training has been extended to include schooling.

8. Drafts from R.C.N.V.R. Divisions have been as follows:-

To East Coast	1,916
To West Coast	705

In addition 172 R.C.N. ratings have been drafted to the West Coast.

In future drafts to Coasts will take place every 8 weeks for both R.C.N. and R.C.N.V.R. ratings.

9. Owing to the necessity of vacating the Automotive Building (new R.C.N.V.R. Quarters) in Toronto for the Exhibition from Aug. 1st to Nov. 1st a projected scheme for drafting large numbers of new entries to Toronto for training has been deferred.

10. Fifty Ordinary Seamen R.C.N.V.R. completed special training at Toronto University to fit them for non-sub rate of S.D.O. After disciplinary training the entire class was reviewed by a selection board; six were selected as Probationary Officers. The balance were drafted to Halifax, June 17th for sea training. Further groups are undergoing this special training.

Recruiting.

11. Specially trained recruiting Officers have been appointed to each R.C.N.V.R. Division and the recruiting of ratings is now being carried out under revised regulations.

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12. Recruiting of R.C.N. ratings has also been transferred from Naval Service Headquarters to the R.C.N.V.R. Divisions. All R.C.N. recruits on Naval Service Headquarters' Roster have been requested to report at the nearest Divisional Headquarters July 15th. After July 1st all new entries R.C.N. will first enter as R.C.N.V.R. noted specially for transfer to R.C.N. if found fit and entirely suitable. They will be drafted to West Coast separately from the other R.C.N.V.R. drafts. If after two months special training at Naden they are found satisfactory for transfer, they will be transferred by C. Naden. Those not found satisfactory will continue as R.C.N.V.R. for hostilities only ratings.

Casualties.

13. During the period 1st April to 30th June, 1941, 13 Officers and 20 ratings were lost or listed missing on war service. One Officer and 11 ratings died of natural causes. One Officer was listed missing in H.M.S. "Gloucester" but later was reported alive and well. One Surgeon Lieutenant listed as missing in H.M.S. "Voltaire" has been reported a prisoner of war in Germany. Nine ratings were injured or wounded.

14. Following are the Officers mentioned above:-

Pay. Sub-Lieut. Donald A. EDEN, R.C.N.	killed in action, H.M.S. "Bonaventure" 31 Mar. '41.
Sub. Lieut. (S.B.) Donald H. ROBB, R.C.N.V.R. (Temp.)	killed in action, H.M.S. "Bonaventure" 31 Mar. '41.
Lieut. Sidney J.L. Bailey, R.C.N.V.R. (Temp.)	missing on Active Service in Egypt.
Midshipman Frank Jonnston, R.C.N.V.R. (Temp.)	lost in H.M.S. "Rajputana".
Lieut. (E) Victor R. Bussereau, R.C.N.V.R. (Temp.)	lost in H.M.S. "Rajputana".
Surg. Lieut. C.M. Fisher, R.C.N.V.R. (Temp.)	Serving in H.M.S. "Voltaire" now prisoner of War in Germany.
Pay. Cdr. F.W.R. Nixon, R.C.N.	lost in S.S. "Nerissa" 1st May, 1941.
Sub. Lieut. B. Harvey, R.C.N.	lost in S.S. "Nerissa", 1st May, 1941.
Sub. Lieut. E. Robbins, R.C.N.	lost in S.S. "Nerissa", 1st May, 1941.
Midshipman T.N.K. Beard, R.C.N.	killed in action in H.M.S. Hood.
Midshipman F.L.L. Jones, R.C.N.	killed in action in H.M.S. Hood.

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Midshipman C.J.B. Norman, R.C.N.	killed in action in H.M.S. Hood.
Sub-Lieut. W.F. Page, R.C.N.	killed in action in H.M.S. "Niaid".
Pay. Cdr. F.O. Stredder, R.C.N.V.R.	died of natural causes 10th June 1941.

15. Heaviest losses suffered in this quarter were in the sinking of the S.S. "Nerissa" on 1st May, in H.M.S. "Bonaventure" and in H.M.S. "Hood" in action with the enemy.

16. Of the original 30 R.C.N.V.R. Special Branch Officers loaned to the Admiralty last August, 5 have been killed in action with the enemy while serving in H.M. Ships.

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III - SHIPS.

	31st March, 1941.			30th June, 1941.		
	East	West	TOTAL	East	West	TOTAL
M/S Vessels	17	5	22	17	5	22
A/S Vessels	14	3	17	14	3	17
Fishermen's Reserve	0	11 (3M/S)	11	0	11 (3M/S)	11
Fishermen's Reserve serving with R.C.A.F.	0	3	3	0	3	3
Auxiliary Vessels	96	22	118	122	23	145
Destroyers	5	0	5	13	0	13
Destroyers U.K.	8	0	8	0	0	0
Corvettes New Construction	4	4	8	41	1	42
M/S New Construction	0	0	0	2	0	2
Armed Merchant Cruisers	2	1	3	1	2	3
Motor Torpedo Boats	1	0	1	1	0	1
T O T A L S...	147	49	196	211	48	259

Of these vessels:-

12.....are R.C.N,

7.....Destroyers ex U.S. Navy.

102.....Requisitioned or purchased from private owners.

16.....Fishermen's Reserve.

64.....Taken over from Government Departments.

14.....Loaned or donated to Government.

42.....New Construction Corvettes completed.

2.....M/S completed.

TOTAL: 259

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(a) 61 Corvettes and 26 Minesweepers have been launched.
41 Corvettes are in full commission and operating on the East Coast.
1 Corvette is in full commission and operating on the West Coast.

(b) The ten Corvettes which were built for the Royal Navy and were operating in U.K. waters, manned by R.C.N. crews, are now on loan to the Royal Canadian Navy and are R.C.N. ships. They are based at Halifax, operating as convoy escorts.

(c) H.M.C.S. ANNAPOLIS and H.M.C.S. ST. CROIX are based at Halifax and are being used as local escorts for convoys.

H.M.C.S. HAMILTON is under refit at Saint John, N.B. and expects to complete July 4th.

H.M.C.S. ASSINIBOINE, COLUMBIA, NIAGARA, OTTAWA, RESTIGOUCHE, ST. CLAIR, ST. FRANCIS, ST. LAURENT, and SKEENA are now operating from St. John's, Nfld. as ocean escorts for convoys.

H.M.C.S. SAGUENAY has completed refit in U.K. and has sailed for St. John's, Nfld.

(d) H.M.C.S. PRINCE DAVID arrived Bermuda May 21st from patrolling off Guadeloupe. Left Bermuda June 10, flying flag of C. in C., A. & W.I. He sailed from Halifax June 17th, after having visited Ottawa and arrived Bermuda June 19th.

(e) H.M.C.S. PRINCE HENRY arrived at Esquimalt May 10th from patrol off Coquimbo Bay, Chilean Coast, for refit. Expected time of completion July 22nd, 1941.

(f) H.M.C.S. PRINCE ROBERT is operating as ocean escort to AORANGI and AWATEA carrying Australian and New Zealand Air Force personnel to Canada. She is based on Suva and escorts to limit of endurance, returning to Suva.

(g) As activities of U-Boats have extended up to and beyond 45°W., it was found necessary to provide A/S escort for convoys during the whole passage of the Atlantic. For this purpose 30 Destroyers are being based on St. John's, Nfld., and 24 Corvettes and 9 Sloops on Halifax.

The facilities at St. John's are being greatly increased. Commodore L.W. Murray, R.C.N., has been appointed Commodore Commanding Newfoundland Forces, with Captain E.S.K. Stevens, D.S.O., D.S.C.R.N., as Captain (D) Newfoundland, and Captain E.R. Mainguy, R.C.N., as Captain (D) Escorts and Patrols Halifax.

Contract Built Ships.

(h) From the opening of navigation, approximately April 15th, until the end of June, machinery trials have been completed in respect to 29 corvettes

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and 2 minesweepers of the New Construction Programme; 22 corvettes were from East Coast firms, of which 16 have arrived in Halifax.

(i) There are now remaining 24 corvettes of the original contracts to be completed and 10 of the Improved Class. Present indications show that during the forthcoming quarter a further 14 corvettes will be delivered, i.e., In July - 6; In August - 5; In September - 3.

(j) With respect to the Minesweepers' Programme, over half of the 48 under construction have been launched. Acceptances have commenced and will proceed as rapidly as delivery of auxiliaries, etc., permits.

(k) Trials of C. M. L's are expected to commence in July, those of M. T. B's in August.

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IV - PORT DEFENCES

Halifax.

1. All defence measures so far installed are operating satisfactorily.

2. The new A/S fixed barrage in Eastern Passage has been completed.

3. The Loop Observation Station and "Special W/T Detector" building at Duncan's Cove are complete and occupied.

4. All of the Controlled Mining buildings at Sleepy Cove have been completed, quarters occupied and equipment connected.

5. Work on Harbour Defence Asdic and Loop Station is nearing completion and it is hoped operations will commence early in August.

Sydney, N.S.

6. The Signal Station, Chapel Battery, Port War Signal Station, Dockyard and W/T Office have been manned as for summer routine and have commenced operations.

7. Construction of the new Barracks has been completed.

8. The A/S boom is now in operation and work on the A/T boom is under way.

9. Control and machinery buildings for the H.D.A. station are well on the way to completion.

Saint John, N.B.

10. The Hispec P.W.S.S., Tiner's Point War Watching Station and Partridge Island Signal Station are operating satisfactorily.

11. The Examination Service continues to function satisfactorily.

Esquimalt, B.C.

12. The A/S and A/T defences are installed and functioning. All other defences are operating satisfactorily.

St. John's, Nfld.

13. Laying of A/T nets will start about July 10th.

14. Plans for the proposed Port War Signal Station and W/T Station have been prepared and steps for erection will be taken as soon as possible.

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Prince Rupert, B.C.

15. Contract is being let for the installation of first line of A/S defence. Material for the second line is expected to arrive during August. A site has been acquired for a Boom Defence Depot.

16. It is hoped to begin work on the Port War Signal Station during the forthcoming quarter.

Gaspe, P.Q.

17. Boom Defence buildings have been erected and Base established. Contract is under way for laying A/S boom.

18. Tenders are being called for erection of a Port War Signal Station.

Shelburne.

19. Laying of A/S net will commence in the immediate future. A Boom Defence Depot has been established and buildings are being erected.

20. Tenders are being called for erection of a Port War Signal Station.

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Wireless Telegraphy.

1. Communication generally has improved since the previous report, resulting in a considerable increase in traffic handled by Ottawa W/T Station.

2. As the result of a Communication Organisation Conference, held in Halifax June 15th and 16th, the W/T organisation of the A. & W.I. Station and Canada will shortly be entirely revised. This re-organisation will give increased efficiency in all services.

3. The locations for proposed new W/T Stations at Halifax and Esquimalt are still not settled, due to necessity of obtaining advice from the R.C.A.F. as to any objections likely to be raised by that Service, mainly in regard to aerial obstructions. It is hoped that this question will be settled shortly and a start made on the W/T Stations.

4. W/T Equipment for New Construction Vessels continues to become available as required, and to date seventy outfits have been delivered, the majority of which have been fitted and are in service. Other W/T Equipment is being delivered in a satisfactory manner, although production times have been greatly increased and basic materials are becoming increasingly difficult to obtain.

Repair of Silica Valves.

5. About 12 months ago it was decided that Admiralty facilities could not be relied upon to repair Silica Valves as quickly as required to meet R.C.N. requirements.

6. Steps were then taken to locate a Canadian firm to do this work and, after considerable enquiry, the Radio Valve Company of Toronto was approached, but that firm felt that they could not undertake the work. However, they suggested that Mr. Pitt, Assistant Professor of Physics, University of Toronto, might be able to do the repair work.

7. Mr. Pitt was therefore consulted and agreed to make an attempt at repairing Silica Valves of all types used by the R.C.N. Arrangements were made by the Department of Munitions and Supply to supply the University of Toronto with the necessary laboratory equipment for use by Mr. Pitt in repair work.

8. Necessary Silica repair parts were obtained from the Admiralty and the first repaired valve was delivered to Ottawa Naval W/T Station on 7th June for tests. The second was received on 21st June.

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9. Tests indicate that, so far as can be ascertained, to date, the repaired valves are superior in performance to the original product, but this can only be borne out by experience in service.

10. It is considered that Mr. Pitt has done an excellent job in satisfactorily performing work which others were unwilling to attempt. The work is of a highly technical nature and very necessary in the war effort.

Signal Distributing Office and Cyphering Office.

11. The pressure of work on the S.D.O. and Cypher Office staffs has shown an increase of approximately 20% over the quarter ending 31st March 1941, and 80% over corresponding quarter of 1940. Frequent re-handling of messages still occurs owing to occasional poor W/T conditions.

12. The volume of work has been exceptionally heavy on occasion and it has been necessary to engage additional female clerks and typists to cope with same. The demand for additional copies of messages has reached a high figure and six female clerks are now employed on this duty, while an additional duplicating machine has also been installed.

13. The standard of female employees recently taken on is considerably lower than those previously engaged. Typists who have been employed in this office for six months or over can deal with two messages or more in the time taken for recent entries to deal with one.

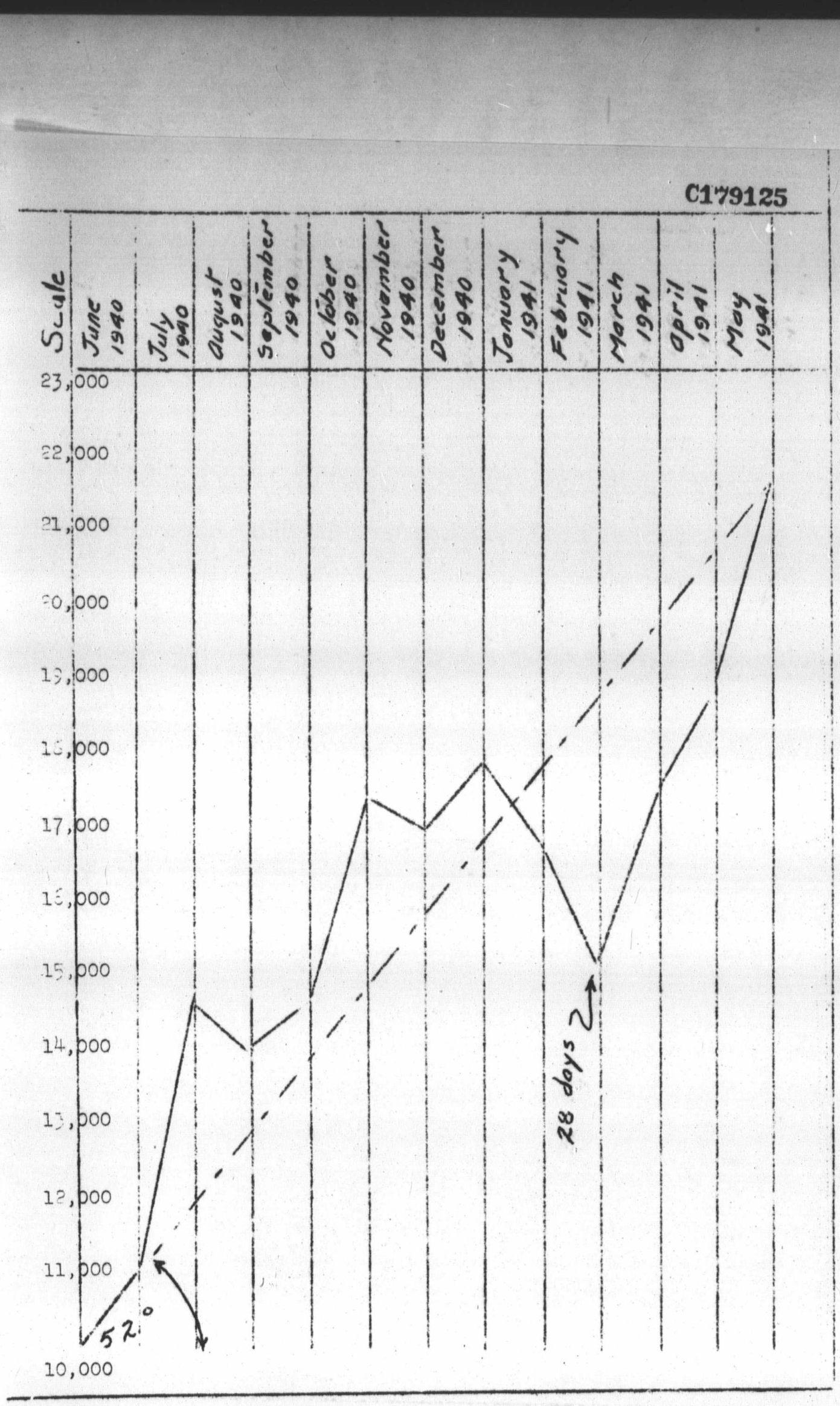
14. The Ottawa-Halifax teletype circuit has now been converted to full duplex, which permits a considerable increase in the rapidity of transmission and reception of messages over this route.

15. The supplying of A.G.M.'s and Station Lettered Messages to R.N. Ships refitting in United States ports has further increased the work handled by S.D.O. Some ships have had to be supplied with as many as 250 copies before being brought up-to-date with messages missed before arrival in the United States.

16. The attached graphical diagram showing monthly increase in volume of traffic during the past 12 months clearly indicates that there is no falling off in the rate of increase. The indication is, therefore, that increased personnel will be required at regular intervals, together with the necessary additional office space.

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VI - CONTROL OF MERCHANT SHIPPING

1. The continuance of the unrestricted submarine campaign against our merchant shipping, and its extension to the vicinity of these shores has emphasised the value of making provision for the rapid diversion of ships and convoys from the original route.

2. It is seldom now that an independently sailed ship crosses the North Atlantic without being diverted, and the same holds good for most convoys. There can be little doubt that in the absence of pre-arranged measures for carrying this out, losses would have been heavier.

Numbers Convoyed.

3. The following table shows the number of ships in HX and SHX convoys from the opening of hostilities to date:-

Year	Month	Numbers convoyed from Eastern Ports		Bermuda
1939	September	63		
	October	98		
	November	161		
	December	213		
1940	January	193		
	February	199		
	March	290		
	April	272		156
	May	150		145
	June	222		136
	July	314		118
	August	331		91
	September	411		75
	October	326		50
	November	326		74
	December	142		
1941	January	285		100
	February	197		69
	March	286		39
	April	340		0
	May	272	Newfoundland	42
	*June	380	7	44
	Total	5,471	7	1,139

* Subject to slight revision in next quarter's report.

Deadweight tonnage carried (excluding Newfoundland and Bermuda) 32,806,000

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New Ship Construction.

(a) Contracts Awarded

1. No further construction of the 190' corvettes has been initiated during the past quarter in view of the decision to build a larger type of Patrol Vessel. Tenders are now being called for the construction of ten of these larger vessels.

2. Contracts for ten 171'6" Steam-driven Minesweepers have been awarded. Port Arthur Shipbuilding Company is to build six and Dufferin Shipbuilding Company contracted for the remainder.

3. Two Tribal Destroyers for the R.C.N. are to be built by Halifax Shipyards Limited and engined by the John Inglis Company of Toronto.

4. Halifax Shipyards Limited have contracted for two Steel Ammunition Lighters and Marine Industries Limited have taken a contract for two Supply Ships. Russell Bros., Limited, Owen Sound, contracted for one steel Gate Attendant Vessel.

5. Twelve vessels of the Fairmile class were contracted for within the quarter and tenders are being called on a further twelve vessels of this type.

6. Orders for 25 Harbour Craft have been Placed.

7. Orders for 10 Harbour Service Motor Boats have been placed.

(b) Progress in New Construction.

8. Two Corvette keels were laid and thirteen vessels of this class have been launched. Twenty-three Corvettes have been completed and delivered within the quarter.

9. Three keels were laid for Steam-driven Minesweepers and three have been launched. One Steam-driven Minesweeper was accepted from Burrard Dry Dock Company. Six of the Diesel Minesweepers were launched.

10. Two Fairmile keels were laid down and one vessel of this type is ready for launching but is held up pending the delivery of shafts and stern tubes. Eight boats have their hulls about 90% completed and will be launched when shafts and stern tubes are delivered. These are expected shortly. All the engines have been delivered to the boat builders.

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11. Two of the Motor Torpedo Boats have been launched and keels have been laid for two Concrete Gate Vessels.

Conversions.

12. The conversions of the ex Norwegian Whale-catchers, "SUDEROY V" and "SUDEROY VI" to L. L. Minesweepers has been completed. The "STANDARD COASTER", "REO II" and "ROSS NORMAN" were fitted out as Magnetic Minesweepers.

13. The conversion of the Minesweepers "VIERNOE", "VENOSTA" and the Trawlers "LOOS" and "ST. ELOI" for service as Boom Gate Vessels has been completed.

Repair Bases.

14. Major refits, alterations and additions were carried out in H.M.C. Ships "SKEENA", "ST. LAURENT" and "PRINCE ROBERT". "PRINCE HENRY" is presently completing refit.

15. H.M.C. Dockyards at Halifax and Esquimalt were occupied to capacity during the period under review carrying out repairs, alterations and additions generally to H.M.C. and H.M. Ships; also, repairs as required were carried out to ships of other Government Departments and Allied Governments.

16. In addition, repairs to H.M.C. Ships and H.M. Ships were carried out under Naval supervision at Saint John, N.B., Pictou, N.S., Liverpool, N.S., Sydney, N.S., and Quebec, P.Q.

Works and Buildings Branch.

Status of Works and Buildings as of March 31st, 1941.

1. The Headquarters Staff of the Works and Buildings Branch comprises Engineers and Architects engaged upon detailed drawings and Specifications of various buildings and structures, under Supervisory Officers.

2. At the Atlantic and Pacific Coast bases there are local staffs of Engineers, Architects and Clerks of Works, under the direction of an Engineer in Charge, who lay out various jobs, superintend construction, measure quantities for and prepare contractors estimates, etc. Neither the Headquarters for local staffs are yet fully organised to meet the rapidly expanding programme of works, due to the present scarcity of technical men with the education and training required.

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3. Contracts Completed.

East Coast.

Crane No. 3 Pier	Halifax Dockyard	$129,500.
Central Storehouse #44	" "	256,878.
Extension to No. 2 Pier	" "	139,613.
Camperdown Buried Cable	Halifax Base	4,100.
Temp. Barracks - Naval training School	" "	184,278.
Temp. Barracks - Water, Sewer, &c.	" "	29,376.
Temp. Barracks - & Drill Shed - Heating	" "	38,300.
Temp. Barracks & Drill Shed Boiler House	" "	1,587.
Temp. Barracks Officers Mess Class Room	" "	26,800.
Temporary Storage Building	Dartmouth	1,500.
Control Building	Sleepy Cove, N.S.	40,605.
A/S & A/T Stores Building	Gaspe Base	3,780.
Repairs to Government Wharf	" "	11,112.
W/T Station - Fencing & Lighting	Glace Bay	22,195.
Joint Port War Signal Station	St. John's, Nfld.	1,585.

West Coast

Boom Defence Inspection Ground	Esquimalt	2,500.
Boom Defence Haul-out Slipway	"	4,073.
Ordnance Building	"	140,465.
New Sick Bay	"	70,000.
C. & P.O. Building	"	8?,000.
A/S School	"	7,500.
Water Mains, &c.	"	2,900.
Extension to Signal Bridge	"	2,100.
Roads to New Jetties	"	3,700.
Concrete Mooring Clumps	" & Prince Rupert	15,330.
Wharf at Comex Range		22,198.

4. Contracts in Progress.

East Coast.

Centre Block, R.C.N. Barracks	Halifax	$ 185,900.
A/A Training School - Material Only	"	30,000.
No. 3 Wharf - Electrical Changes	"	2,276.

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Administration Bldg. Sound Insulation	Halifax	$ 1,673
Breakwater - McNab - Lawlor Islands	"	19,080.
A/S Defence - Maze - Lawlor Isds. to mainland	"	10,000.
Railway Siding	"	9,000.
Oil Tanks 2 - 35,000 Bbl. McNabs Island	"	42,200.
Oil Tanks 1 - 15,000 Bbl. French Cable Wharf	"	10,750.
Joint Service Magazine - Bedford Basin		1,635,676.
Dredging	Shelburne	43,000.
Boom Defence Layout	"	19,050.
Boom Defence Railway Siding	"	500.
Oil Tank 1 - 35,000 Bbl.	"	20,002.
Wireless Telegraph Station	Sydney Base	15,000.
Degaussing Range Station	" "	8,186.
Harbor Defence Asdic	" "	13,837.
Dredging	" "	52,250.
Oil Tanks 2 - 35,000 Bbl.	" "	38,100.
" " 1 - 6,000 "	" "	7,269.
Oil Tank & Pipe Line	Gaspe Base	9,025.
Power House Equipment	" "	85,000.
Fencing	" "	4,115.
Clearing & Grubbing	" "	8,500.
New Wharf - Sandy Beach	" "	43,856.
Breakwater	" "	34,064.
Oil Tank 1 - 55,000 Bbl.	St. John's Nfld.	27,050.
Oil Tank 1 - 30,000 Bbl.	Botwood, Nfld.	44,000.
Barracks Building	Quebec	21,291.
Conversion - Aylmer Apts.	Ottawa	57,750.

West Coast.

New Slipway	Esquimalt Dockyard	25,000.
Engineers Residence	Colwood, B. C.	5,612.
Boom Defence Layout : Field &c.	Prince Rupert	40,000.

5. Contracts Awarded.

East Coast.

Storehouse #40	Halifax Dockyard	$270,000.
Haulout 3000 tons	" Base	311,800.
Gunnery & Torpedo School - Nelson Barracks	Halifax	747,500.
Boom Defence Layout	Dartmouth	22,000.

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Haulout 3000 tons	Shelburne	$ 326,800.
" 200 "	"	34,200.
" 3000 "	Sydney	312,800.
" 200 "	"	32,500.
Buildings, &c.	Gaspe Base	450,000.
Haulout 200 tons	" "	34,500.
Sewage System	" "	15,000.
Heating Distribution	" "	
Haulout 2000 tons	Pictou	189,000.

West Coast.

Nil.

6. Plans & Specifications Prepared.

East Coast

Barracks Boathouse	Halifax Dockyard
Signal Seamanship & Asdic - Nelson Barracks	Halifax
Wharf	Shelburne
Shelburne Base	Shelburne

West Coast

Signal School	Esquimalt
Boat House & Floats	"
Additional Fire Protection Lines Armament Depot	"
P.W.S.S. - Kinahan Island	Prince Rupert

7. Plans in Preparation.

East Coast

Haul out wharfage, &c., in connection with	Halifax Base.
Wireless Telegraph Station	Halifax
Sewage, Water & Elec. Installation	Halifax Dockyard
Motor Boat & M.B. Engine Repair Shop	" "
Machine Shop & Eng'g Building - Nelson Barracks	Halifax.
Combined Shops - New Entry, &c. Nelson Barracks	Halifax.
General Offices Nelson Barracks	"
C.O. & P.O. Bldg. Nelson Barracks	"
Heating Plant - Nelson Barracks	"
Roads, Sewers, Water & Power Nelson Barracks	"

West Coast.

Guard House Extension	Esquimalt
Temporary Sick Bay	Esquimalt Barracks
Septic Tank	" "
Class & Lunchroom	" Dockyard
Barracks	Prince Rupert Base.

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8. Projects Under Consideration.

East Coast

Recreation Building	-	Nelson Barracks	Halifax
Gymnasium		"	"
Swimming Pool		"	"
Guard House		"	"
Officers Quarters Alterations		"	"
C.S.A.C. & Supt. Dockyard Residence		"	"
Revictualling Depot			Halifax Dockyard
French Cable Wharf Extension			Dartmouth
Base			St. John, N.B.
Base			St. John's, Nfld.
Base			Botwood, "

West Coast

Additions		Esquimalt Barracks
"		" Dockyard
"	to Buildings, &c. Armament Depot	"
"	to Buildings	Comox, B.C.

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VIII - INTELLIGENCE.

Security.

1. Routine activities of the Security Intelligence Officer have continued normally.

2. The Security Intelligence Officer has made surveys at Halifax, Saint John, N.B., Sydney, N.S., and Quebec, and accompanied the Admiralty Security Mission to Halifax.

3. A proposal to appoint Security Officer (Intelligence) at all bases and sub-bases having been approved in principle, efforts are now being made to obtain suitable officers from within the Service or from shore as requisite. When this scheme is in operation, its activities will be co-ordinated by the Security Intelligence Officer, Naval Service Headquarters.

Postal Censorship.

4. Since February a Naval Intelligence Officer, sent out by the Admiralty, has been working in the Postal Censorship Department. The information which he has obtained there has been most valuable and this efficiency has been considerably increased by the arrival of experienced examiners from England.

5. This Naval Intelligence Officer has had long experience both in the last war and this in dealing with this type of Naval Intelligence and his appointment to Ottawa has been very welcome and opportune.

Shipping.

6. Plots and Index Cards of German and Italian merchant shipping and selected French shipping have been maintained.

7. Existing connections with sources in the U.S.A. have been developed and new connections established. This has resulted in much useful information being exchanged.

8. In the interests of economy the movements of United States shipping in U.S.A. coastal and intercoastal trade are being omitted by Consular Shipping Advisers in their daily Vesca to Ministry of War Transport, London, and, instead, are being reported direct to N.S.H.Q., Ottawa, where summarized reports are dispatched to London daily.

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9. Arrangements are complete whereby the movements of all U.S.A. merchant ships will be reported to Ottawa from all British Naval Intelligence Areas for transmission to Washington if and when such information might be required.

10. Considerable difficulty has been experienced by C.S.A.'s, particularly on the West Coast, in persuading Shipping Agents to make use of the facilities which they are willing to provide for the transmission of messages in code which refer to shipping movements. Their position has been made all the more difficult by the fact that frequent and flagrant cases occur of complete disregard for ordinary caution in the transmission of telegrams from the U.K.

11. Difficulty in the collection of information concerning movements of U.S. ships for reporting in Vesca has been mitigated considerably by the co-operative action of the U.S. Coastguards, who now furnish daily reports of the movements of all ships in their Area.

12. U.S. Port Directors at all ports where there are C.S.A.'s are being contacted by the latter and instructed in the methods of our Naval Control Service, the necessary confidential books and documents being kept up to date by C.S.A.'s ready for issue to Port Directors should it become necessary.

13. The financial position of C.S.A.'s in the U.S. is still a matter of grave concern in spite of the recent temporary advances in rank granted to some of them, the incidence of the increased Income Tax has resulted in these officers being no better off, while those who received no increase are in extremely precarious positions financially.

Foreign Intelligence.

14. This Section has been re-organised on similar lines to the W/T Intelligence Section at Admiralty. The aim is to have a centre at N.S.H.Q. where a thorough and intelligent study of enemy and potential enemy telecommunication is carried out, as well as the promulgation of intelligence derived from these studies.

15. This Section is also in charge of D/F Intelligence which is closely affiliated to W/T Intelligence.

16. To carry out efficiently the above work, the personnel is divided in 3 sub-sections:

(a) Field Officers at the various stations.

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(b) Research Officers with the aim of improving instruments and methods employed, etc.

(c) Watchkeepers in charge of plotting and study of traffic.

17. The extension of enemy activity to the Western Atlantic and the possibility of attack from the North, either from Greenland or across Alaska, as outlined by Colin Ross and other Nazi strategists, has necessitated rapid expansion of W/T Intelligence Stations. This expansion, from 4 stations to 12, was carried out largely by establishment and co-operation with the R.C.A.F., who are able to place certain of their existing stations at the disposal of the Navy on a part-time basis, without impairing the efficiency of those stations on R.C.-A.F. duties. This stroke of organisation, in effect, will more than double the number of stations engaged in this work, without entailing additional costs for construction.

18 Canadian stations at present operating are:-

Hartlen Point, N.S.
Botwood, Newfoundland
Montreal, P.Q.
Esquimalt, B.C.

Canadian Stations which will commence operation in July are:-

Pennefield Ridge, N.B.
Harbour Grace, Newfoundland
Cap d'Espoir (Near Gaspe), P.Q.

Additional Canadian Stations which will be in operation on Naval D/F work before the end of the year are:-

Rivers, Man.
Prince Albert, Sask.
Churchill, Man. (Projected)
London, Ontario
Sydney Airport, N.S.

Of these stations, those operated by the Department of Transport are:-

Hartlen Point, N.S.
Montreal.

By the R.C.N.:-

Esquimalt, B.C.
Harbour Grace, Newfoundland
Churchill, Man. (Projected)

By the Air Ministry:

Botwood, Newfoundland.

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By the Royal Canadian Air Force, with assisting naval personnel:-

Pennefield Ridge, N.B.
Sydney Airport, N.S.
Cap d'Espoir, P.Q.
Rivers, Man.
Prince Albert, Sask.
London, Ontario

19. These stations form part of the world-wide Admiralty organisation, comprising over 50 stations, distributed according to later information as follows:-

United Kingdom (Atlantic Service)	10	stations
Mediterranean	3	"
Indian Ocean	8	"
Far East	5	"
Australia and Pacific	7	"
Africa	4	"
West Indies	3	"

20. The Canadian stations work in close co-operation with the West Indies Station, thus forming a potentially independent unit. The purpose of the present re-organisation is to develop the independent functioning of this unit so that in the event of emergency the work of D/F Intelligence on the Western Atlantic would not be interrupted.

21. The Naval D/F Station at Gordon Head, Esquimalt, in operation since August 1, 1940, is in an exceptional position in that it works under the jurisdiction of the Far Eastern Defence Organisation. The Captain of Staff, Singapore, issues all assignments to each of his stations, which now includes Gordon Head.

22. The number of Directional Bearings passed to Admiralty from Canadian and West Indies stations is as follows:-

April	-	452
May	-	892
June	-	694
TOTAL	-	2,038

23. Other stations engaged in the study of enemy and potential enemy W/T traffic are the following, operated by the Department of Transport, and placed at the disposal of the R.C.N., with personnel, at the outbreak of hostilities:

Forrest, Man.
Strathburn, Ontario
Ottawa
Vancouver, B.C.,

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24. In Newfoundland an organisation of amateurs has been set up under the guidance of the Naval Liaison Officer to undertake part of these duties.

25. The volume of material is very large, particularly that furnished by the R.C.N. Station at Esquimalt which, with a staff of 21 operators, forwards an average of 6,000 useful intercepted signals monthly.

26. The Eastern Stations have passed 577 special intelligence signals to Admiralty during this period.

Visits.

27. Visits of particular importance included Brigadier Craig and party on Security and measures to be adopted; Admiral Little from British Mission in Washington; Sir Arthur Salter from Washington on Merchant Shipping problems; and Admiral Godfrey, Director of Naval Intelligence, Admiralty.

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IX - SUPPLY

Naval Stores and Fuel

1. Supplies of fuel oil for ships and auxiliary vessels based on Halifax, Sydney, Gaspe, Montreal and Quebec are being arranged for the fiscal year 1941-42 through contracts and negotiations with the Imperial Oil Limited and other companies. Contracts for bunker coal at Halifax, Sydney, Saint John, Esquimalt and other ports of call on the Eastern and Western Coasts are also being arranged in this manner for the same period.

2. The construction of the new 6,000 bbl. Diesel Fuel Oil tank at Gaspe is being satisfactorily carried out and completion will be about 15th July. The tank will be filled immediately after completion.

3. Arrangements have been made for the provision of a 30,000 bbl. fuel oil tank at Botwood, Nfld., while filling of the rented 25,000 bbl. fuel oil tank at Sydney, N.S. is being proceeded with.

4. A contract was placed for the erection of a 35,000 bbl. tank at Shelburne, N.S.

5. Supply of fuel oil for the naval tanks built at Esquimalt last year has been arranged.

6. Progress towards meeting fuel oil requirements at Prince Rupert is being advanced.

7. Negotiations are proceeding for suitable sites for erection of naval fuel oil tanks at Sydney, Halifax and Dartmouth, N.S.

8. Contracts for supplies of gasoline and fresh water for ships and establishments, East and West Coasts, are being completed through the Department of Munitions and Supply. A cache of high octane rating gasoline was placed at Battle Harbour, Labrador.

9. The position and construction of the A/T nets for Saint John's, Newfoundland having been decided, part shipment of material from Halifax has been made. The laying of these nets will commence about 10th July, 1941. A suitable site for a storehouse and boom defence base has been rented and the formal lease is en route to Ottawa for execution.

10. The Sydney A/S net, which was removed from the harbour in November, 1940, has now been re-laid and reinstallation of the A/T net is being proceeded with.

11. A large proportion of the stores for Gaspe A/S net has been delivered and a contract for laying the net is being negotiated by the Department of Munitions and Supply. It is anticipated

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that all stores will be available and that the net will be laid during July.

12. Stores for the Shelburne A/S net are being delivered and should be complete in time to lay the net early in July.

13. A/S and A/T nets provide protection at Esquimalt.

14. With regard to A/S Defences at Prince Rupert, a contract for the installation of the first line is being negotiated through the Department of Munitions and Supply. Materials for the second line net are expected in early August.

15. The Saint John, N.B. A/B boom will be only partly laid this season.

16. A large quantity of wireless equipment (transmitters, receivers, etc.) has been ordered and a large proportion received and installed. Standard sets have been devised and will be fitted in all ships of new construction. Three powerful transmitters are on order to supplement the present instruments in the Naval Shore Establishments at Halifax, Ottawa and Esquimalt.

17. Auxiliary Bases and Outports have been established at Sydney, Gaspe, Quebec, Montreal, Saint John and Shelburne, and the provision of stores to these points for issue to various auxiliary vessels under these commands is in hand.

18. In view of the greatly increased activities, it has been found necessary to enlarge the storehouse accommodation at both Esquimalt and Halifax Dockyards. At Halifax the congestion is very marked and it has been necessary to rent outside warehouse space.

19. It has been found necessary to augment the motor vehicle complement of the R.C.N. very considerably.

20. Acquisition of certain parcels of land at Halifax, Dartmouth, Sydney, Gaspe, Shelburne and other points are being proceeded with in connection with Boom Defences, Wireless Stations, Base Establishments, etc., etc.

Victualling Stores.

21. This Section has continued to function satisfactorily during the Quarter under review.

22. During this period an Establishment was created in Toronto, Ontario, known as H.M.C.S. "Ontario", located in Automotive Building, Exhibition Park. This is equipped to victual up to 1200 men.

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23. An Establishment has been opened at St. John's, Newfoundland, known as H.M.C.S. "Avalon" and contracts are being arranged for the victualling of approximately 1,000 Officers and Ratings.

24. Deliveries of materials from the woollen mills have been satisfactory and no hardship has been experienced in obtaining ample cloth for uniforms, caps, coats, etc.

25. These remarks are also true as regards cotton and duck materials for caps, uniforms, and canvas materials for kit bags and hammocks.

26. Silk material for ties and scarves has become virtually unobtainable. Substitutes are being obtained such as rayon, crepe or barathea.

27. With regard to supplies for the mess tables, aside from one or two items such as salmon and evaporated milk, little difficulty has been experienced in obtaining ample stocks of all food stuffs.

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X - NAVAL ARMAMENT

1. Small quantities of ammunition of various types continue to be received from Overseas off requisitions, but not in sufficient quantities to build up reserves. Manufacture of practice projectiles for Q.F. 4.7 inch, 4 inch and 12 Pounder guns in Canada is in hand and contracts are being placed.

2. Supplies of small arm ammunition for machine guns .5" Colts are being received but are not up to schedule. Steps have been taken in an effort to increase quantities released by the British authorities, who control the output of the U.S.A. factory for Canadian Naval requirements.

3. Depth Charges are now being made and filled in Canada and first deliveries are expected mid-July. Arrangements have been made for 3,000 of the 4,000 on order to be weighted and fitted with Mk.IX pistols.

4. B.L. 4 inch guns continue to be supplied from Overseas, mounting in Corvettes as required. In all 50 of these guns have been received.

5. Q.F. 3 inch and 12 pounder guns are being supplied from Overseas in lieu of Q.F. 4" Mk.IV guns for 36 Minesweepers not yet armed. No actual receipts have yet come to hand.

6. 134 .5" Colt Browing machine guns of 598 on order have been delivered and the majority mounted.

7. The order placed for 85 Q.F. 2 Pdr. Mk.VIII guns has been increased to provide 48 for Minesweepers.

8. Orders have been placed for 272 Depth Charge Throwers to increase the number carried by Corvettes and Minesweepers from 2 to 4 each. These are now in course of manufacture.

9. Arrangements are in hand to procure Q.F. 4 inch Mk.V c guns, Vickers twin .5 inch machine guns and Oerlikon 20 mm guns for new construction.

10. The new extension to the Bedford Magazines has been completely occupied. 40 buildings were erected and the entire area is now in full operation. Construction of a new wharf has commenced and improvements to roadways is being proceeded with.

11. Investigation into the question of inland magazine site is continuing.

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MERCANTILE DEFENSIVE EQUIPMENT.

Defensively Equipped Merchant Ships -

12. D.E.M.S. Inspections have been carried out in ports throughout Canada as follows:-

HALIFAX	963
SYDNEY	77
QUEBEC	20
ESQUIMALT	31
MONTREAL	153
SAINT JOHN	138

13. Armament has been provided to 41 vessels, of which 39 were completed in Halifax, 1 in Saint John and 1 in Esquimalt. Particulars are as follows:-

NAME OF SHIP	REGISTRY	WHERE ARMED	ARMAMENT
VANJA	Norwegian	Halifax	4" Q.I. Gun
CLEODORA	Dutch	Halifax	4" Gun
OSCILLA	Dutch	Halifax	4" Gun
SELBO	Norwegian	Halifax	90 MM Gun
CURACAO	British	Halifax	4" Gun
TIBIA	Dutch	Halifax	4" Gun
SILVER WALNUT	British	Halifax	4" Gun
EMPIRE CHEETAH	British	Halifax	12 pounder Gun
BELLEMINA	British	Halifax	Bofors
FJORDHEIM	Norwegian	Halifax	3" Gun
TORTUGAS	Norwegian	Halifax	3" Gun
HADA COUNTY	Norwegian	Halifax	3" Gun
HAVSTEEN	Norwegian	Halifax	3" Gun
ELUSA	Dutch	Halifax	4" Gun
BRASIL	Norwegian	Halifax	3" Gun
THORSHOLM	Norwegian	Halifax	3" Gun
WINONA COUNTY	British	Halifax	4" Gun
ONDINA	Dutch	Halifax	4" Gun
OLTENIA	Rumanian.	Halifax	4" Gun
WESTERN OCEAN	British	Halifax	4" Gun

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NAME OF SHIP	REGISTRY	WHERE ARMED	ARMAMENT
ONTARIOLITE	British	Halifax	4" Gun
EDGEFIELD	British	Halifax	4" Gun
NORBRYN	Norwegian	Halifax	3" Gun
SPIND	Norwegian	Halifax	3" Gun
HALLANGER	Norwegian	Halifax	3" Gun
NEUVA GRANADA	Norwegian	Halifax	3" Gun
LISTA	Norwegian	Halifax	3" Gun
MARIT	Norwegian	Halifax	3" Gun
FERNCOURT	Norwegian	Halifax	4" Gun
SLEMDAL	Norwegian	Halifax	4" Gun
RADCHURCH	British	Halifax	4" Gun
RADCOMB	British	Halifax	4" Gun
VEST	Norwegian	St. John	3" Gun
BELITA	Norwegian	Halifax	4" Gun
REGINOLITE	British	Halifax	4" Gun
CAP DE PALMES	Free French	Halifax	3" Gun
SCANDIA	Danish	Halifax	4" Gun
KATVALDIS	Latvian	Halifax	4" Gun
BELLO	Norwegian	Halifax	4" Gun
EMMA BAKKE	Norwegian	Halifax	4" Gun
VELOX	Norwegian	Esquimalt	4" Gun

14. The guns issued were mostly American type, obtained in the United States on behalf of the British, Norwegian and Netherlands Governments, and in a great number of cases a Canadian Naval gun-layer was supplied.

15. During the past quarter the situation regarding AA defence has improved considerably, due to a great extent to the issue of military machine-gunners with either Hotchkiss or Lewis guns, at the rate of two per ship. This issue has been in addition to any machine guns already on board the ship. Since the inception of this scheme approximately 530 AA machine gunners have been embarked from the pools operating in Halifax and Sydney.

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The Admiralty have recently restricted issues to British Ships only and this has had an adverse effect on the morale of Allied ships; in consequence a recommendation has been made to the Admiralty to have this order rescinded.

16. The standard ammunition for issue to AA machine guns is 50% tracer, 25% incendiary and 25% armour piercing, but this has not been established owing to lack of supplies.

17. Training centres are in the course of establishment at the main D.E.M.S. ports, and buildings are either being erected or obtained to house the dome and AA teachers. The necessary equipment is awaited from United Kingdom.

18. An officer trained in the manufacture of plastic material is due to arrive in Canada from the United Kingdom at the end of June to supervise the manufacture. This material used for bridge protection, etc. has been found to be superior to concrete.

19. Four officers trained in D.E.M.S. duties are due to arrive in New York shortly. This will greatly assist in the defensive undertaking on merchant ships now being carried out in the U.S.A.

Degaussing.

20. 1327 inspections were carried out in all ports. During the Quarter the subjects of Degaussing, Ranging, and Deperming were allocated to the D.G.O.

D.G. Coils have been fitted on 30 Corvettes and 8 Minesweepers. These ships still lack minor items in their control equipment. Specifications are in the process of being drawn up for the degaussing of New Construction merchant ships building in Canada.

The Halifax Range is functioning efficiently, and has during the past 3 months ranged a total of 108 vessels of various classes; 77 Merchant, 30 H.M., H.M.C., and Allied war vessels.

It is expected that the Sydney Range will be in operation within the next 6 weeks; the Vancouver Range within the next 8 weeks. Necessary instruments and panels for Vancouver Range have arrived recently. Those for Sydney are expected in the near future.

Admiralty requested that the possibility of establishing a D.G. Range at Saint Johns', Nfld., be investigated and the necessary steps are being taken accordingly. If established, the Range will be manned by Canadian personnel.

The Mobile Deperming Unit being established at Halifax is expected to be in operation about the middle of July.

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THE WHOLE OF THIS SECTION IS TO BE REGARDED AS SECRET.

XI. - ANTI-SUBMARINE

Personnel for A/S Duties.

Officers.

1. Personnel requirements for the A/S Branch have been carefully reviewed since the last quarterly report. The number of officers required for the next 8 months is 75, assigned for duties ashore or afloat. At present there are 40 officers, and a further 14 undergoing training who will be allotted to ships and bases as need arises.

2. Action is being taken through engineering Departments of Canadian universities to obtain further officer personnel, in which there is a shortage. Officer personnel will have to be further increased when the 1942 shipbuilding programme is embarked upon.

Ratings.

3. In the past 3 months 20 corvettes have been outfitted with A/S gear, bringing the total of Asdic fitted ships to 55, requiring 55 H.S.D's and 188 S.D's to man the sets. At present there are 30 H.S.D's and 302 S.D's available.

4. An attempt is being made to train necessary H.S.D's and more S.D's are being obtained. Classes at the University of Toronto are being continued. The second class of 55 ratings (approx) will graduate August 5th. A class of 55 will graduate from the University of Western Ontario July 15th, a good percentage being assigned to A/S duties. Arrangements are still under way to procure personnel from technical schools across Canada.

A/S Schools.

5. Shortage of equipment for the A/S schools at Halifax and Esquimalt will interfere with proposed training schedules. Admiralty cannot promise shipment of the attack and procedure teachers before August, 1941. Arrangements have been made to supply schools with further A/S gear in the form of Type 123A, 134A, 128A and echo sounding sets. Gramophone records and films for instructional purposes are also being obtained for the schools.

6. An attack teacher A/S 22 has been ordered for instructional purposes at St. John's, Nfld. This will be used to maintain the efficiency of the S.D's in attacking procedure.

Manufacture of A/S Gear in Canada.

7. The production of A/S equipment in Canada is slightly behind schedule and consequently lags behind the shipbuilding programme. Misunderstanding on questions of priority is partly responsible for this situation.

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Canadian Ships Equipped With Asdics.

8. Fifty-six Canadian ships have been equipped with Asdic sets, as follows:

River Class Destroyers	6
Town Class Destroyers	7
Corvettes	28
Auxiliary Vessels	15

9. "COWICHAN", the first minesweeper to be commissioned has approximately 95% of the Type 128 set installed. Completion of a Type 134 A/S set is being rushed to fit out the first Fairmile being built at Humber Bay, Toronto. It has been decided at present to fit the glands and install the Type 134 set in M.T.B's only if an emergency requires the presence of M. A/S B's.

10. Approval has been given to fit Type 135 A/S sets to the following gate vessels:- "St. ELOI", "FESTUBERT", "VIERNOE", "ARLEUX", "VENOSTA", "LOOS". Installation has already started on the first 3 ships and outfitting should be completed very shortly.

Harbour Defence Asdics and Indicator Loops at Halifax and Sydney

Halifax.

11. Laying of the #1989 loop cable is now taking place, the "SANKATY" being utilised for the purpose. Construction of the link hut and the laying of the shore cable will be completed by July 1st. This station should go into operation early in August if components from Admiralty arrive by that time. Control and machinery buildings have been completed.

Sydney.

12. The control and machinery buildings for the Sydney H.D.A. station are well on the way to completion and should be ready for occupation by A/S installation staff on July 15, 1941. Components will be retained at Halifax Naval Stores until the buildings are in a sufficiently advanced state to commence the initial fitting of instruments.

Botwood H.D.A. & Sono Buoy Station.

13. Since the presentation of the last report, it has been decided to install A/S detection apparatus at this harbour. Equipment will comprise 2 H.D. Asdics and 8 Sono Buoys anchored in the incoming channel. An R.D.F. night-watchman may also be installed on the northern tip of Thwart Island, but this matter is still under discussion. Control and receiving apparatus will be housed in buildings near Stink Cove, where the Army Service are erecting a shore battery. It is intended to house personnel and control equipment in buildings provided by the Army Service. Discussions are taking place to decide exact requirements.

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Maintenance base at St. John's, Nfld.

14. Developments at St. John's, Nfld have necessitated the despatching to this base of adequate A/S gear spares for all types of sets. Lieutenant Robertson and E.A. Spence have been sent to supervise incoming stores and to service A/S vessels alreay based there.

Boom Defence.

Halifax.

15. New A/S fixed barrage in Eastern Passage has been completed. Plans have been made to move the Boom Defence Depot from the Dockyard to a site adjacent to the sugar refinery at Dartmouth. Halifax Gate Vessels have been taken in and refitted and the trawler "LOOS" successfully converted as a Gate Vessel. New improved fittings for A/S Boom are being put in place and triple roller fairleads installed on Gate opening floats. Two concrete Gate Vessels are being built for Sydney.

Shelburne, N.S.

16. A Boom Defence Depot has been established and buildings are being erected. Laying of A/S nets will commence as soon as the contract is let. The new derrick scow for maintenance of Boom is expected August 1st, while a tug and workboat are now ready at Sydney. Gate Vessels are ready and waiting at Halifax. No harbour craft as yet available.

St. John, N.B.

17. The baulks for the A/B Boom are about one-half completed. It has been decided to install only half of the Boom for the present.

Sydney, N.S.

18. A/S Boom is installed and in operation. Work on the A/T Boom is under way; conversion to Gate Vessels of Minesweepers "VIERNOE" and "VENOSTA" is complete and the ships are in place at the Boom.

Gaspe, P.Q.

19. Boom Defence buildings were erected in May and the Base established. Contract is under way for laying A/S Boom, and completion is expected about July 18th. Gate Vessels, Boom Maintenance Derrick Scow #7, Attendant Tug, and Workboat are on hand, but harbour craft is not yet available.

St. John's, Nfld.

20. Destroyer moorings are in place, repairs to Boom Defence Wharf have been carried out and the material for A/T nets is partly shipped. Laying of A/T nets is to start about the 10th of July.

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Esquimalt, B.C.

21. The A/T net is completed, and the port now has A/S and A/T protection.

Prince Rupert, B.C.

22. The site for a Boom Defence Depot has been acquired; contract is being let for installation of 1st line of A/S defence. Temporary Gate Vessels are being provided until the completion of new vessels, about September 1st. Material for 2nd line defence is expected to arrive in August.

Magnetic Minesweeping.

23. A policy for provision of additional Magnetic Minesweepers was prepared and adopted. It was decided that "LL" sweep gear would be fitted in selected M/S of the Bangor Class now building. Structural changes must be made to the ships, and necessary arrangements have been carried out. Most of the electrical gear has been ordered; a number of drawings have been made, a few more are to be completed. Of the 6 "LL" sweeps originally sanctioned, 2 are now in operation at Halifax; 2 are nearing completion and should be in operation before the end of July; 2 (105 ft. wooden ships) are now being laid down.

Acoustic Minesweeping.

24. Enough details have been received from Admiralty to enable working drawings to be prepared for Type A acoustic M/S gear. Working drawings of the hammer box have been completed and of the attachment for selected ships are nearing completion.

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THE WHOLE OF THIS SECTION IS SECRET.

XII - Research

R.D.F. Experiments, Personnel, Etc.

1. An experimental model of a prototype R.D.F. set, suitable for R.C.N. use in ships of destroyer class and under has been subjected to trials at sea and found to be satisfactory. Production of 7 sets by hand is being carried out by National Research Council and Research Enterprises Limited. One set of a modified type is being installed at the new Signal School Building, Hill 100, near Halifax. Two other sets have been delivered to Halifax Dockyard and are about to be installed on Corvettes H.M.C.S. "BADDECK" and "SHERBROOKE" while 98 additional sets are under production at Research Enterprises Ltd.

Armament.

2. Experiments on H.M.C.S. "BEAVER" and "CHAMBLY" have shown the inefficiency of fixed antennas with switching devices. A rotating antenna has been developed and will be installed on our ships.

Our R.D.F. set (C.S.C. Mark 1 Model) gives a good indication of a surface submarine up to 2.5 miles, and larger ships up to 12 miles. The bearing of the target is indicated to an accuracy of approximately plus or minus 5% and the range is indicated to an accuracy of approximately plus or minus 400 yards within the 12 mile limit. The precise degree of accuracy has not finally been determined. Research continues towards increased accuracy in bearing and range.

3. An automatic panoramic receiver for detection and bearing of enemy and other R.D.F. signals is under development by Dr. Wallace, of New York, in company with the Canadian Marconi Company and the National Research Council. Rapid progress has been made and a sample submitted to the National Research Council; minor changes are being made, and it is expected that this model will be found suitable for use in H.M.C. Ships.

4. Five officers for the R.D.F. Branch have been obtained from industry, 2 others have been returned from the Admiralty with approximately one year's experience in Admiralty R.D.F. fitting and operation. One non-commissioned officer and 3 petty officers have been obtained from R.C.N. and V.R. sources. This personnel of the R.D.F. Branch is engaged in -

(a) experimental work connected with the fitting and operation of equipment aboard H.M.C. Ships;
(b) actual fitting of equipment;
(c) installation of equipment at the Signal School and Practical Instruction Building;
(e) Administration at Headquarters.

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5. The Practical Building for the Signal School at Hill 100, Herring Cove, near Halifax is now being equipped to provide practical operating facilities to train ratings as R.D.F. operators aboard ship. The site overlooks the approaches to Halifax. The gear is a duplicate of that to be installed on ships in order that ratings will be trained under service conditions. The site permits visual observations of passing ships simultaneously with R.D.F. observation of these ships. The operator will rapidly obtain confidence in his ability to interpret the indication of the many types of surface vessels at various ranges and bearings.

6. At the Signal School space has been provided for the instruction of R.D.F. maintenance men and other technical training as required. These functions will be carried out in conjunction with the general servicing and repair of R.D.F.

7. The "Night-Watchman" R.D.F. set installed at Herring Cove continues to function under the jurisdiction of X.D.O., providing intelligence regarding the movements of ships within its range during fog and dark hours.

8. The building, tower and general facilities at Duncan's Cove provided for the coast defence R.D.F. set are almost complete.

Equipment has been shipped from the N.R. Council and is being installed by their staff. It is expected that this coast defence unit will be in operation within three months.

9. Fifteen sub-Lieutenants, R.C.N.V.R., (S.B.), who took the special course at Toronto University, have taken passage to Great Britain for service in the R.N. Fifteen others remaining - due to lack of facilities in the U.K. for their training - are very usefully employed at the N.R.C., engaged in the manufacture of the C.S.C. sets for the R.C.N. These men are receiving practical instruction and at the same time assisting to provide the Service with urgently required R.D.F. equipment.

10. The C.S.C. set will be suitable for use in River Class and Town Class Destroyers without any change in the form originally designed for Corvettes. Rotating mechanism for the River Class Destroyers will require minor modification only. Rotating mechanism for the Town Class Destroyers will require a major development, as a flexible cable drive is necessitated due to location of the R.D.F. office with respect to the foremast. This work is in hand.

11. By means of the R.D.F. Inter-Services Committee, liaison is maintained with the other services regarding common problems associated with practical application of R.D.F. and control of the experimental work at the N.R. Council and elsewhere.

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12. Attention has been given to the request made by an Admiralty Signal (1421B/7) concerning the installation of R.D.F. range beacons in the Halifax area. Tests to date have not been favourable. The matter is receiving further attention.

13. At the request of the "BARM", through Mr. Ellison and through Commander Crossman of the "BATM", arrangements were made to install a N.R.C. C.S.C. set in H.M.S. "MALAYA". This action was suggested with a view to overcoming to some extent the disability of H.M.S. "MALAYA" through the nonarrival of the complete R.D.F. equipment enroute from the U.K. The supply and installation of the C.S.C. set has been undertaken entirely by the National Research Council and is proceeding satisfactorily.

14. The R.D.F.O. has made a visit to Western University at London, Ontario, and to Toronto University, to maintain close contact with the students and the faculty connected with the training of the students for R.D.F. work, this personnel comprising both ratings and officers. Close contact is maintained also with the administrative and engineering personnel at Research Enterprises Limited, who are the contractors for Naval R.D.F. equipment, in addition to close liaison with the staff of National Research Council.

15. The National Research Council has been established as the scientific research and experiment department of the R.C.N. in order to allow the facilities of this organisation to be more fully utilised by the Navy. Key personnel and organisation will be published in the next issue of the Navy List and The Gazette.

16. The following are projects taken in hand during the past quarter:-

Physics.

(a) With a view to simplifying existing types of indicator loop installations, experimental gear is under construction to investigate possibilities of using the D.C. amplifier and 3 coil A.C. methods. In this connection the rugged and simple General Electric Photo-electric fluxmeter has been compared with the British type and found to be suitable when used in connection with associated equipment of the proper design. Possible shortage of British type may cause the future adoption of the General Electric fluxmeter.

(b) Research is proceeding on two possible types of short-range submarine detectors.

(c) Material used for self-healing petrol tank covering on M.T.B. tanks has been tested and approved as a similar covering for exposed fuel oil tanks.

(d) A non-freezing A/S Recorder Paper produced in the laboratory is undergoing tests.

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(e) The suggestion that the presence of submarine or surface craft could be detected by the analysis of surface water for traces of oil in the suspected vicinity was investigated by the Halifax staff in co-operation with the General Electric Company. No positive results have been obtained so far and it is considered that the method is of negligible value.

(f) The physiological problems involved in bridge illumination from the standpoint of allowing optimum night vision is under investigation.

Optics.

(a) Acting as pilot plant, the staff has developed very efficient equipment and precise methods for the production of Asdic Quartz. The Mines Branch is now in the process of taking over this equipment and becoming familiar with the correct procedure in order that the Optics Division may be relieved of a purely production operation.

(b) Trials of the diffused lighting project give fairly good promise to date. Automatic control equipment is in a state of near completion. Difficulty in obtaining the proper type of Photo-electric tube for this equipment may slow up the development to some degree.

(c) Two sample types of Optical Station Keeper are under construction and will be available for sea trials in the near future.

(d) Tests of submitted samples of anti-glare spectacle glass have been carried out and definite recommendations made as to the proper type for adoption. Considerable difficulty is being experienced in obtaining glass capable of meeting the specification submitted.

Acoustics.

(a) The staff is collaborating with the Equipment Division in the test and calibration of A/S equipment. The U.S. Navy have been particularly helpful in this respect, loaning test gear developed in their laboratories.

(b) Water channel tests have been conducted on a simplified type of S.A. sweep gear.

(c) Comparative tests of available ear defenders for protection against gun blast are in progress to determine the advisability of developing an improved type of defender.

Electrical Engineering.

(a) Final tests of LL sweep equipment designed in this laboratory have proved successful.

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(b) Experimental equipment is under construction for the detection of D.G. cable faults. Difficulty in securing proper magnetic materials has retarded this development to some extent.

(c) Miscellaneous tests include the high voltage break-down tests of various materials and salinity tests of the St. Lawrence River.

Heat.

(a) Samples of substitute boiler fire-box insulating material have been tested for suitability for adaption to minesweeper vessels.

Chemistry.

Textiles:

(a) Textile Division has tested 4 ideas for their practicability: overcoating as a substitute for Admiralty cloth for ratings; canvas treated with weather-proofing agents; Canadian sources for gold distinction lace; a method for the prevention of wear in woollen socks.

Colloid Chemistry and Plastics:

(a) The search for a boot-sole possessing non-slip properties in contact with wet steel decks has resulted in the development of a special zig-zag rubber sole which shows great promise.

(b) Chemistry Division is working in conjunction with Canadian manufacturers to produce a satisfactory non-slip deck covering for certain parts of weather decks of warships.

(c) Plastic bonded wood veneer tubes as a substitute for bamboo poles used in the construction of kite balloons have been produced and are at present undergoing service tests.

(d) The problem of producing a cellular material of very low specific gravity and high strength for application where great buoyancy is required is receiving attention. A great many substances and processes have been tried and it is considered likely that a suitable material will be forthcoming.

(e) Specifications pertaining to the leather entering into the manufacture of seamen's boots have been prepared for the guidance of boot manufacturers. To date the specifications have not been adopted.

(f) Recommendations have been made concerning the best type of molding material for use in the production of C.S.A. equipment outlet nozzle.

(g) Comparative tests made between the Admiralty standard C.S.A. mixture and the standard C.I.L., C.S.A. mixture have indicated that the latter is equally as effective as the Admiralty type, although cheaper and more readily obtainable.

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(h) The shatterproofing of glass window panes by the application of a resin film to the inner surface by the use of a suitable cement has received considerable attention. The most suitable material was found to be nitro-cellulose film, used in conjunction with the proper lacquer cement.

Paint.

(a) Tests have been carried out to determine the quality of various types of paints submitted for ships' use. Experimental work is going ahead on the production of a plastic compound for electrical packing.

Mechanical Engineering.

(a) Comparative tests between Admiralty approved Ferodo brake lining and other available types for M/S vessel winch brakes have been carried out with a view to obtaining a Canadian source of supply.

Inventions.

(a) In co-operation with the Inventions Board 80 inventions were scrutinised for possible Naval application. Examining committee of the Board eliminate beforehand all inventions not requiring the service of the Naval consultants.

Controlled Floodlighting.

17. Experiments conducted by Professor Burr to reduce the visibility of ships by controlled floodlighting showed great possibilities for the idea. Unfortunately the ship on which the trial installation was being made had to be taken for more important duties, causing a temporary delay in the conducting of the experiments. Professor Burr has sent details of his experiments to the Admiralty and has passed them to the United States Navy. Arrangements have been made to do some additional experimental work in the United States, with the assistance of experts on light distribution from th- General Electric Company's research laboratory.

Chemical Warfare.

18. A Directorate of Chemical Warfare is being formed, to include representatives from the Navy, Army and Air Force. Terms of reference have to be approved before the Directorate can function fully.

The organisation of the experimental field in Alberta is making good progress.

Metallurgical Research.

19. An organisation has been set up to enable the Naval Service to make the fullest use of the facilities of the Metallurgical Laboratory of the Department of Mines and Resources. A sum of money has

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been provided by the Dept. of National Defence to enable the Laboratories to install additional equipment and engage additional staff. Liaison officers have been appointed, and an endeavour is being made to keep the various branches of the Naval Service advised as to the work that is being done in the Laboratory.

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Minister	2	S.O.(I)	1
D.M.	2	S.O.C.S.	1
C.N.S.	1	U.S. Naval Attache, Ottawa	3
D.C.N.S.	1		
D.N.I.	1	H.C. for Canada, London	2
D.N.P.	1	C.C.C.S.	2
E. in C.	1	C.G.S.	2
D.N.O.	1	C.A.S.	2
D.P.D.	1	C.O.A.C.	2
D.O.D.	1	C.O.P.C.	2
R.C.S.	1	C. Naden	1
S.S.B.	1	C. Stadacona	1
D.T.D.	1	Capt. i/c Halifax	1
D.N.A.	1	N. Supt. Halifax	1
D.N.S.	1	N.O. i/c, Sydney	1
F.I.S.	1	N.O. i/c, Saint John	1
M.M.S.	1	N.O. i/c, Gaspe	1
N. Inf.	1	N.O. i/c, Quebec	1
N. SEC.	1	N.O. i/c, Montreal	1
A/N. SEC.	1	C.C.N.F., St. John's Nfld.	3
N.D.A.	1		
D.W.B.(N)	1	N.O. i/c, Vancouver	1
S.A/S	1	N.O. i/c, Prince Rupert	1
Inspr. Booms	1	R.A. (3)	1
Can. Naval Attache Washington	4	D.N.I. for distribution to:	
Sec. of State for External Affairs	1	C-in-C, A. & W.I.	2
Prime Minister	2	Admiralty (D.N.I.)	4

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 5th July, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 87.

(For week ending 5th July)

-oOo-

NAVAL SERVICES

1 PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at July 3rd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	300	3,021	3,321
R.C.N.R.	628	3,479	4,107
R.C.N.V.R.	1,700	12,070	13,770
TOTAL . . .	2,628	18,570	21,198

Increase - 778

(b) Recruiting Activities from June 26th, 1941, to July 3rd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	1	98	99
R.C.N.R.	7	17	24
R.C.N.V.R.	7	670	677
TOTAL . . .	15	785	800

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1

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Deductions from Strength:-(Cont'd)

Discharges	(a) Med. Unfit	1	11	12
	(b) Other Reasons	1	8	9
TOTAL.....		2	20	22

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
139	918	1,057

2. CASUALTIES

(a) Thomas Alfred COOK, Ord. Smn., V.24177, died June 26th, 1941.

(b) S.J. KRAFT, Stoker P.O. V.11624, injured June 30th, 1941. Right foot crushed.

(c) C.M. FISHER, Surg. Lieut., R.C.N.V.R., shown on Report No. 85 as missing now reported prisoner of war.

(d) Sydney C. BELL, Ord. Smn., V6356, shown on Report No. 87 as missing, now reported prisoner of war.

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TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	28	307	335
Other deaths.	3	35	38
TOTAL...	31	342	373
Wounded or Injured.	1	63	64

3. OPERATIONS

(a) Ships - At Halifax -

- Departures -

(1) H.M. Ships "CALIFORNIA" and "CAMELIA" with H.M.C. Ships "EYEBRIGHT" "ARROWHEAD" and "MAYFLOWER" escorting convoy HX 136. 29.6.41.

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(ii) H.M.S. "CHESHIRE" for Bermuda.
30.6.41.

(iii) H.M.C.S. "COLUMBIA" for Saint John,
N.B., 2.7.41.

- Arrivals -

(iv) H.M.S. "AURANIA" from patrol duties.
26.6.41.

(v) H.M.C. Ships "TRAIL" and "NANAIMO"
from Kingston, Jamaica. 27.6.41.

(vi) H.M.C.S. "MOOSE JAW". 28.6.41.

(vii) H.M.C.S. "DERBYSHIRE". 28.6.41.

(viii) H.M.S. "CHESHIRE" from patrol duties.
29.6.41.

(ix) H.M.C.S. "CHICOUTIMI" from St.
John's, Nfld., 30.6.41.

(x) H.M.C.S. "RESTIGOUCHE" from St.
John's, Nfld., 30.6.41.

(xi) H.M.C.S. "ST. CROIX" from escort
duties. 1.7.41.

(xii) H.M.C.S. "NOOTKA" from Pictou.
2.7.41.

- At St. John's -

(xiii) H.M.C. Ships "MOONBEAM" and
"CHICOUTIMI" arrived 27.6.41.

(xiv) H.M.C.S. "CHICOUTIMI" sailed for
Halifax. 28.6.41.

(xv) H.M.S. "CHESTERFIELD" from patrol
duties. 30.6.41.

(xvi) H.M.S. "BUXTON" arrived and sailed
on patrol on the same day. 2.7.41.

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(xvii) H.M.C.S. "PRINCE ROBERT" departed
Suva escorting "AWATEA" towards Esquimalt to limit
of endurance thence returning to Suva. 21.6.41.

(xviii) H.M.C. Ships "NAPANEE" and "DAUPHIN"
arrived Sydney, C.B., from escort duties. 27.6.41.

(xix) H.M.S. "ASCANIA" arrived Bermuda from
Halifax. 27.6.41.

(xx) H.M.C. Ships "ST. LAURENT" and
"SKEENA" arrived Shelburne from Halifax for exercises.
29.6.41.

(xxi) H.M.S. "BULOLO" arrived Baltimore
from Halifax. 30.6.41.

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(xxii) H.M.C.S. "BARRIE" arrived Sydney from escort duties. 1.7.41.

(xxiii) H.M.C.S. "PRINCE DAVID" arrived Bermuda. 1.7.41. after escorting convoy to point of junction with main convoy.

(xxiv) H.M.C.S. "MATAPEDIA" arrived Sydney from escort duties. 1.7.41.

(xxv) H.M.C. Ships "KENOGAMI", "LETHBRIDGE" and "PRESCOTT" sailed from Quebec for Halifax. 2.7.41.

(xxvi) H.M.C.S. "CAMROSE" sailed from Sorel for Quebec. 2.7.41.

(xxvii) H.M.C.S. "AGASSIZ", "DAUPHIN", "NAPANEE", "REINDEER", "WETASKIWIN", operating as local and ocean escorts for trans-Atlantic convoys.

(xxviii) H.M.C. Ships "ALBERNI", "ASSINIBOINE", "CHAMBLY", "ORILLIA" departed Iceland July 2nd as escort for convoy outbound from U.K. Will proceed St. John's, Nfld., unless otherwise instructed.

(xxix) H.M.C.S. "COBALT" acting as local escort to outbound convoy from U.K.

(xxx) H.M.C. Ships " PICTOU", " RIMOUSKI", "SAGUENAY", "NIAGARA" en route Halifax from Iceland as escort to outbound convoy from U.K.

(xxxi) H.M.C.S. "PRINCE HENRY" expects to complete refit at Esquimalt July 22nd.

(b) Convoys

The Halifax, Bermuda and Sydney sections of a convoy of which 38 were British, 8 Norwegian, 3 Greek, 3 Swedish, 2 Dutch, 1 Pan., sailed June 26th under the ocean escort of H.M.S. "LONDONDERRY".

On July 1st a convoy sailed from Sydney under the ocean escort of H.M.S. "PHILANTE". The 47 ships in the convoy comprised 23 British, 9 Norwegian, 11 Greek, 2 Dutch, 1 Belgian, 1 Pan.

The Halifax, Bermuda and Sydney sections of a convoy sailed July 1st under the ocean escort of H.M.S. "CALIFORNIA". The 44 ships in the convoy comprised 24 British, 11 Norwegian, 5 Dutch, 2 Greek, 1 Swedish, 1 Belgian.

During the week there were three individual trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) M.E.O. One hundred and seventeen D.E.M.S. inspections were carried out during the week at the following ports: Halifax (54), Montreal (28), Quebec (3), Esquimalt (3), Sydney (28), Saint John (1).

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(b) Information regarding arming etc. has been received regarding the following ships:

"BANGU"	4" gun mounted	Halifax
"ASKILD"	Stiffening completed	St. John

(c) The degaussing equipment of 113 ships was inspected in Canadian ports this week. 112 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

D.G. completed	13
D.G. repairs	1
D.G. modifications	1
In hand for D.G.	52
In hand for repairs	2
In hand for modifications	0

(e) D.T.D. Inspections of new construction are proceeding under the staff at Toronto, Port Arthur, Montreal, Sorel, Quebec, Saint John, N.B., headed as has been usual since Trials were commenced by this Division, by D.T.D. and A/D.T.D., each attending at a different shipyard.

Trials and Commissioning of ships for R.C.N. during the past week took place in regard to H.M.C.S. -

CORVETTES

"MOOSE JAW"	Commissioned June 19th.
"MIDLAND"	Launched June 25th.
"LETHBRIDGE"	Commissioned June 25th.
"PRESCOTT"	Commissioned June 26th.
"TIMMINS"	Launched June 26th.

TENTATIVE DATES OF TRIALS AND LAUNCHINGS:

"SHEDIAC"	Acceptance Trial July 3rd.
"AMHERST"	Trials at end of 1st week in July.
"DUNDAS"	Launching, July 16th.
"BRANDON"	Endurance and Full Power Trials 4th and 5th July.

MINESWEEPERS

"MEDICINE HAT"	Launched June 26th.

(f) S.T.T.D. Reports have been received through the National Research Council of considerable mechanical damage to the buoyant cables, some apparently of fairly long standing. The damage has now been repaired. This shows some laxness on the part of the ships' crews, in not spotting damage after each run and repairing it at the time.

Work in connection with the fitting of "LL" sweeps in Bangor class sweepers is making good progress.

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In regard to Acoustic Minesweeping, all details in connection with the attachment of S.A. gear to Fundy class minesweepers have now been settled, and drawings are well advanced.

(g) R.L.O. A non-skid boot sole recently produced by the Miner Rubber Company has been found to possess the characteristics recommended by Dr. Gallay; two pair of knee boots equipped with this sole have been furnished for laboratory and service tests.

The search for a cellular material of low specific gravity and high strength has resulted in the discovery of two processes possessing great merit; samples are being subjected to test for durability and strength.

(h) I.O.B. Boom defence work proceeds according to schedule, normal operations at each base running smoothly. No further information is available regarding the awarding of contract for the laying of the A/S net at Prince Rupert; tenders for this and for the workshop and paintshop are both in the hands of the Department of Munitions and Supply.

(i) S.A/S. In regard to H.D.A. and Indicator Loops at Halifax, 1 indicator loop has been laid, the laying of the other two being held up due to delay in procuring jointing material. Every endeavour is being made to hasten the supply. Demands made for this material at Halifax over two months ago have had no results.

Certain essential lamps necessary for the integrators are being obtained by air from the U.K.

Equipment for Sydney has not yet arrived from England, while Pattern 660 cable is on hand.

At Botwood detailed requirements have been asked for from the military authorities; the matter is being taken up through the Base Planning Committee.

An officer is being held in readiness to proceed to the U.S. to learn about the maintenance of Sono Buoys; word is expected from the Naval Attache in Washington regarding arrangements.

Totals of Canadian ships fitted with A/S equipment are - River Class Destroyers 6; Town Class Destroyers 7; Corvettes 28; Minesweepers 0; Auxiliary Vessels 15; C.M. L's 0; M.T.B's 0.

(j) R.D.F.O.

Trouble has been experienced in fitting Ajax rotating gear to Corvette H.M.C.S. "BADDECK's" mast, whose dimensions do not check with drawings. Mast dimensions of various corvettes do

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not check amongst themselves. Production of rotating gear units has been held up pending approval of suitable modification to meet inconsistency of mast dimensions.

Equipment for Practical Training School has been installed and tested. Antenna array has been erected but feeder system is incomplete.

New antenna array developed by N.R.C. has not as yet been installed aboard ship.

(k) D.G.O. The question of establishing a D.G. Range at Saint John's Nfld., is being investigated. It is proposed to instal and operate this Range with Canadian personnel.

While in Ottawa Admiral Barry suggested that Lieutenant Darling, D.G.O., Montreal, and D.G.O., N.S.H.Q. visit New York to study degaussing methods used in the United States.

5. STORES

The equipment purchased by the Naval Stores amounted this week to, $141,624.24.

CHIEFS OF STAFF COMMITTEE

5th July
1 9 4 1

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S E C R E T COPY NO. 1. C179164

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-J, Vol. 9.

Ottawa. 12th July, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 88.

(For week ending 12th July)

-oOo-

N A V A L-S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at July 10th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	301	3,087	3,388
R.C.N.R.	640	3,527	4,167
R.C.N.V.R.	1,715	12,356	14,071
TOTAL	2,656	18,970	21,626

Increase - 428

(b) Recruiting Activities from July 3rd, 1941, to July 10th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	73	75
R.C.N.R.	12	59	71
R.C.N.V.R.	15	302	317
TOTAL	29	434	463

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	1	1
Discharges (a) Med. unfit	0	16	16
(b) Other Reasons	1	17	18
TOTAL	1	34	35

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(d) Transfers between Services

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	6	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
166	968	1,134

2. CASUALTIES

(a) Roy Edgar BENJAMIN, Ord. Smn., V.22258, killed on D.E.M.S. "FERNCOURT", 7th July, 1941.

.....

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	28	308	336
Other Deaths.	3	35	38
TOTAL.	31	343	374
Wounded or Injured.	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) Ships - At Halifax -

- Departures -

(i) H.M.S. "CIRCASSIA" and "DIANTHUS" and H.M.C. Ships "SPIKENARD", "SNOWBERRY", "BARRIE" & "MATAPEDIA" escorting convoy HX 137. 6.7.41.

(ii) H.M.C.S. "GASPE" for Pictou. 8.7.41.

(iii) Cable Ship "CYRUS FIELD". 9.7.41.

(iv) H.M.C.S. "RESTIGOUCHE" for Newfoundland. 11.7.41.

- Arrivals -

(v) H.M.S. "BUXTON". 4.7.41.

(vi) H.M.S. "ASCANIA" from patrol duties. 5.7.41.

(vii) H.M.C. Ships "PICTOU" and "RIMOUSKI" from Iceland and at present making good defects. 5.7.41.

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(viii) H.M.C. Ships "KENOGAMI", "LETHBRIDGE" and "PRESCOTT" from Quebec. 5.7.41.

(ix) H.M.S. "RANPURA". 5.7.41.

(x) H.M.C.S. "CAMROSE". 6.7.41.

(xi) H.M.C. Ships "ST. LAURENT" & "SKEENA" 7.7.41.

- At St. John's -

(xii) H.M.S. "BURNHAM" sailed on patrol duty. 3.7.41.

(xiii) H.M.S. "CHESTERFIELD" sailed for Wabana. 3.7.41.

(xiv) H.M.C.S. "WETASKIWIN" sailed. 4.7.41.

(xv) H.M.C.S. "SAGUENAY" sailed. 9.7.41.

(xvi) H.M.S. "READING" sailed. 9.7.41.

(xvii) H.M.S. "HONEYSUCKLE" sailed for Wabana. 9.7.41.

(xviii) H.M.C.S. "NIAGARA" arrived from Ic-land. 4.7.41.

(xix) H.M.S. "HONEYSUCKLE" arrived. 4.7.41.

(xx) H.M.S. "ROMSEY" arrived. 7.7.41.

(xxi) H.M.S. "RIPLEY" arrived. 9.7.41.

(xxii) H.M.S. "BURWELL" arrived. 9.7.41.

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(xxiii) H.M.C.S. "COLUMBIA" arrived Saint John, N.B. for refit. 3.7.41.

(xxiv) H.M.C.S. "PRINCE DAVID" sailed from Bermuda to patrol off Quadeloupe. 4.7.41.

(xxv) H.M.C.S. "PRINCE ROBERT" arrived at Suva from escorting "AWATEA" towards Esquimalt. 4.7.41.

(xxvi) H.M.C. Ships "LYNX", from Halifax, "RACCOON" and "REINDEER" from Sydney arrived Gaspe. 7.7.41.

(xxvii) H.M.C.S. "ALGOMA" en route from Port Arthur to Halifax, arrived Montreal. 9.7.41.

(xxviii) H.M.C. Ships "AGASSIZ", "WETASKIWIN", "ARROWHEAD", "MAYFLOWER", "EYEBRIGHT" escorting ocean convoy as far as Iceland R/V.

(xxix) H.M.C. Ships "BITTERSWEET", "COBALT", "FENNEL" returning from Iceland as escort to convoy outbound from U.K.

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(xxx) H.M.C. Ships "ALBERNI", "ASSINIBOINE", "CHAMBLY", "COLLINGWOOD", "ORILLIA" returning from Iceland acting as escorts to convoys outbound from U.K.

(xxxi) H.M.C.S. "OTTAWA" escorting outbound convoy from U.K., from Iceland R/V to Halifax.

(xxxii) H.M.C. Ships "SPIKENARD", "SNOWBERRY", "SAGUENAY" escorting Atlantic convoy St. John's, Nfld., to Iceland R/V.

(xxxiii) H.M.C.S. "ST. FRANCIS" westbound towards Halifax escorting convoy from U.K.

(b) Convoys

The Halifax, Bermuda and Sydney sections of a convoy sailed on July 6th under the ocean escort of H.M.S "CIRCASSIA". The 56 ships in the convoy comprised 41 British, 6 Norwegian, 4 Greek, 3 Swedish, and 2 Dutch.

There was one independent trans-ocean sailing this week from the Atlantic Coast.

4. WORKS

(a) D.E.O. Ninety-two D.E.M.S. inspections were carried out during the week at the following ports:- Halifax (33), Sydney (33), Montreal (24), Esquimalt (1), Saint John (1).

(b) Information regarding arming etc. has been received regarding the following ships:-

"TAI YANG"	Gun stiffening Completed	Montreal
"ACASTA"	In hand for stiffening	Sydney
"ASKILD"	4" gun mounted	Halifax
"CLAIRTON"	4" " "	"
"ARUBA"	4" " "	"
"MIRLO"	In hand mounting 4" gun	"
"THORSHOVDI"	" " " " "	"

(c) Information has been received that the four D.E.M.S. Officers appointed for duty in the U.S.A. have sailed from the United Kingdom and will be attached to the Staff of the Ministry of War Transport New York.

A training school for the purpose of instructing D.E.M.S. ratings in the use of various arms is expected to commence operating on July 23rd.

(d) The degaussing equipment of 90 ships has been inspected this week in Canadian ports. 89 were reported as being satisfactory; repairs have been carried out on the remainder.

(e) The British Ministry of War Transport, New York, reported the following in hand at United States Ports:-

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D.G. Completed	15
D.G. Repairs	1
D.G. Modifications	1
In hand for D.G.	51
In hand for repairs	3
In hand for modification	0

(f) D.T.D. Inspections and Trials of New Construction are proceeding under the staff at Port Arthur, Toronto, Sorel, Saint John N.B.

Trials and Commissioning of ships for R.C.N. during the past week took place in regard to H.M.C.S. -

CORVETTES

"SHEDIAC"	Acceptance Trial successful July 3rd. Commissioned July 8th.
"CAMROSE"	Commissioned June 30th.
"BRANDON"	Endurance, Astern and Steering Trials successful July 4th; Full Power Trials successful July 5th.
"DRUMHELLER"	Launched July 5th.

ANTICIPATED

"AMHERST"	Ready for Trials July 15th.
"BATTLEFORD"	Dock Trial July 10th - Endurance July 13th.

MINESWEEPERS

"WASAGA"	Acceptance Trial successful July 1st.
"NIPIGON"	Endurance Trial successful June 30th; Full Power successful July 1st.
"COWICHAN"	Acceptance Trial and Commissioning July 4th.
"CLAYOQUOT"	Full Power successful July 5th; Progressive, Turning, Astern and Steering and Engine Trials successful July 4th.

ANTICIPATED

"CLAYOQUOT"	Acceptance Trial July 31st.

(g) S.T.T.D. A visit to H.M.C.S. "NIPIGON" during a trial run enabled many details in connection with the arrangement of the turbo-generators and batteries to be settled. Further specifications for components have been prepared and sent to D.N.S.

A meeting of the Interservice Advisory Committee On Chemical Warfare was held, at which the finishing touches were put to a resolution to be forwarded to H.E. the Governor General asking for his approval of the formation of the Committee and of the set up of the experimental establishment and testing field in Alberta.

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PUBLIC ARCHIVES
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CANADA

D.G. Completed	15
D.G. Repairs	1
D.G. Modifications	1
In hand for D.G.	51
In hand for repairs	3
In hand for modification	0

(f) D.T.D. Inspections and Trials of New Construction are proceeding under the staff at Port Arthur, Toronto, Sorel, Saint John N.B.

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ANTICIPATED

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(h) I.O.B. Normal operations are being carried on and necessary maintenance attended to. At Halifax tenders for construction of building at the new Boom Defence site have been received by the Directorate of Works & Buildings (N) and the awarding of the contract taken in hand by the Department of Munitions & Supply. M & S advised that the contract for the laying of the A/S net at Shelburne, N.S. had been awarded to the Foundation Maritime Limited, and that the work would commence as soon as the net weaving slab was available. - contract for the latter is 75% complete. Net laying operations have commenced at Gaspe. Shipment of buoys, nets and equipment was made from Halifax for the A/T net installation at St. John's, Nfld. on July 6th.

The I.O.B. visited Depots during the week at North Sydney, Halifax and Shelburne on his inspection trip to the East Coast. He is en route to Saint John and Gaspe.

(i) R.D.F.O. The difficulty which was experienced in fitting rotating gear to the first corvette in Halifax has been overcome by suitable modifications, which it is expected will allow this pattern to be installed on all corvettes.

R.D.F.O. paid a visit to the Research Enterprises Limited plant in Toronto in order to investigate all details regarding supply of equipment. A check was made of difficulties and one difficulty solved. A serious condition existed regarding the supply of motor generators. To overcome the emergency 8 used M.G. sets having 240 cycles output in place of 60 cycles were obtained and are being subjected to tests. Those passing test will be used as a temporary measure. Subsequently R.D.F.O. arranged directly with the Marconi Company to release 2 motor generator sets of the exact type required; these were shipped at once to Halifax Dockyard so as to permit completion of installation of two corvettes.

The Practical Training Building at Halifax is now in operation, and it is understood that approximately 24 seamen are under training as R.D.F. operators.

The 13 S/Lts. on loan to National Research Council have left for Halifax to await passage to the U.K. Three S/Lts. will carry on the work at N.R.C. to complete 6 sets now under production - gaining valuable experience in the design, manufacture, test and performance of the sets.

N.R.C. with M.I.T. of Boston have completed the development of a 10cm. R.D.F. set intended particularly for aircraft interception use, but which is recognised as being of advantage in naval use in view of its ability to perform as efficiently as the present Canadian C.S.C. model as regards distance. At the same time it provides very exact measurement of range and precision bearing to a fraction of a degree.

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In view of its importance one set just completed has been brought to Canada and arrangements been made for its installation in "BEAVER", where a comparison will b- made against the present set. If these experiments are successful, it is likely this 10 c.m. set will become the Mark 11 set for our ships, eliminating the development of intermediate sets around 60 cms., which had been contemplated, and upon which development has already begun in Canada.

(j) R.L.O. A satisfactory bakelite for moulding C.S.A. equipment nozzles has been supplied by Bakelite Corporation of Canada - made to Admiralty specification that in use was subject to excessive attack by the C.S.A. mixture. The compound now prepared exhibits no signs of attack after long immersion.

The use of the moulded wood type of construction for small craft is under investigation. Recent improvements in operational methods and resin bonding mat-rials indicate that the process may have extensive naval application.

(k) S. A/S Discussions are under way with the Admiralty to double the facilities for training A/S personnel in Canada. This will entail larger schools and an increase in training equipment.

The installation of Type 123" A" sets in the Corvettes has reached a total of 30.

Installation of Type 135 A/S set in the Gate Vessels "ESTUBERT" and "ARLEUX" is complete. The sea unit will soon be fitted to the S.S. ELOI.

The laying of the 2nd indicator loop is under way at Camperdown Station.

(l) D.G.O. A serious cable shortage arose in Montreal, but was averted by diverting cable now on order for D.G. work at Halifax to Montreal. It is considered that the ordering and placing of this cable might be placed under Canadian Naval Personnel.

Admiral Barry intimated in his recent trip to Ottawa that he would approach United States authorities with a view to having degaussing equipment sent to Canada under the terms of the Lease Lend Bill. If this is accomplished it will eliminate supply problems which are present in Canada. The question of the proposed D.G. Range in Newfoundland is under investigation by R.C.N. and N.R.C. experts.

Inspections are being carried out upon degaussing at shipyards in Port Arthur, Collingwood, Toronto and Kingston.

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6. STORES

The equipment purchased by the Naval Stores amounted this week to $138,452.00.

CHIEFS OF STAFF COMMITTEE

12th July
1 9 4 1

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S E C R E T COPY NO. 1

C179172

DEPARTMENT OF NATIONAL DEFENCE

HQ S. 5199-U, Vol. 9.

Ottawa, 19th July, 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 89.

(For week ending 19th July)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at July 17th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	302	3090	3392
R.C.N.R.	646	3564	4210
R.C.N.V.R.	1742	12732	14474
TOTAL	2690	19386	22076

Increase - 450

(b) Recruiting Activities from July 10th, 1941, to July 17th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	1	7	8
R.C.N.R.	6	39	45
R.C.N.V.R.	27	416	443
TOTAL	34	462	496

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit	0	36	36
(b) Other Reasons	0	9	9
TOTAL	0	46	46

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(d) Transfers between Services

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
190	1024	1214

2. CASUALTIES

(a) Gordon J. Harrington, Cook (s), V25405, drowned, H.M.C.S. "PRINCE DAVID", 15th July, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	28	309	337
Other Deaths.....	3	35	38
TOTAL.....	31	344	375
Wounded or Injured.....	1	63	64
Prisoners of War.....	1	1	2

3. OPERATIONS

(A) - At Halifax -

- Departures -

(i) H.M.S. "AURANIA" for Sydney. 10.7.41.

(ii) H.M.C.S. "ANNAPOLIS". 11.7.41.

(iii) H.M.C.S. "ST. CROIX". 11.7.41.

(iv) H.M.C.S. "ST. CROIX" left the convoy she was escorting and returned to Halifax due to engine trouble. 15.7.41.

(v) H.M.C.S. "SASKATOON". 16.7.41.

(vi) H.M.S. "RANPURA" escorting convoy HX 139; the other escorts were H.M. Ships "TOTLAND", "SENNEN" and "FLEETWOOD" and H.M.C. Ships "CHAMBLY", "PICTOU", "SASKATOON" and "CHILLIWACK". 17.7.41.

- Arrivals -

(vii) H.M.S. "CHITRAL" from patrol duties. 11.7.41.

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(viii) H.M.C.S. "HAMILTON" from Saint John, N.B. 12.7.41.

(ix) H.M.S. "BUXTON". 13.7.41.

(x) H.M.C.S. "ASSINIBOINE" from St. John's, Newfoundland, for refit. 14.7.41.

(xi) H.M.S. "CHESHIRE" from patrol. 14.7.41.

(xii) H.M.S. "HAVELOCK" from St. John's, Newfoundland. 14.7.41.

(xiii) H.M.S. "REVENGE". 14.7.41.

(xiv) Cable Ship "CYRUS FIELD". 15.7.41.

(xv) H.M.C.S. "ORILLIA" from St. John's, Newfoundland. 15.7.41.

(xvi) H.M.S. "SOUTHERN PRINCE" from refit. 15.7.41.

(xvii) H.M.C.S. "NIAGARA" from St. John's, Newfoundland. 16.7.41.

- At St. John's -

- Departures -

(xviii) H.M.S. "LEITH". 13.7.41.

(xix) H.M.S. "BROADWATER". 14.7.41.

(xx) H.M.S. "BURWELL". 14.7.41.

(xxi) H.M.S. "RICHMOND". 14.7.41.

(xxii) H.M.C.S. "COBALT". 14.7.41.

(xxiii) H.M.C.S. "SKEENA". 14.7.41.

(xxiv) H.M.C.S. "ST. LAURENT". 15.7.41.

- At St. John's -

- Arrivals -

(xxv) H.M.C.S. "ASSINIBOINE". 12.7.41.

(xxvi) H.M.S. "HAVELOCK". 12.7.41.

(xxvii) H.M.C.S. "ALBERNI". 12.7.41.

(xxviii) H.M.C. Ships "CHAMBLY" and "ORILLIA" from Iceland. 13.7.41.

(xxix) H.M.C.S. "OTTAWA". 15.7.41.

(xxx) H.M.S. "CANDYTUFT". 16.7.41.

(xxxi) H.M.S. "GLADIOLUS". 16.7.41.

(xxxii) H.M.S. "NASTURTIUM". 16.7.41.

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(xxxiii) H.M.S. "SFNNEN". 16.7.41.

(xxxiv) H.M.S. "TOTLAND". 16.7.41.

(xxxv) H.M.C.S. "ST. FRANCIS" from Iceland. 16.7.41.

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(xxxvi) H.M.S. "AURANIA" arrived Sydney from Halifax. 11.7.41.

(xxxvii) H.M.C.S. "ALGOMA" arrived Quebec July 13, 1941, and sailed for Halifax with H.M.C.S. "SHEDIAC". 15.7.41.

(xxxviii) H.M.C.S. "CARTIER" sailed from Saint John, N.B. for refit. 16.7.41.

(xxxix) Convoy HX 138 which sailed from Sydney on July 12, 1941, under the ocean escort of H.M. Ships "AURANIA" and "LEITH" was also escorted by H.M.C. Ships "LEVIS", "GALT", "ANNAPOLIS", "ST. CROIX", "RIMOUSKI", "ST. LAURENT", "COBALT", and H.M. Ships "BROADWATER", "BURWELL", "RICHMOND", "POLYANTHUS".

(xl) H.M.C. Ships "AGASSIZ" and "WETASKIWIN" returning from Iceland as escort to out bound convoy from U.K.

(xli) H.M.C.S. "PRINCE DAVID" is on patrol off Guadeloupe.

(xlii) H.M.C.S. "PRINCE ROBERT" is at Suva.

(B) Convoys

The Halifax, Sydney and Wabana sections of a convoy sailed on July 11, 1941, under the ocean escort of H.M. Ships AURANIA and LEITH. The 54 ships in the convoy comprised; 35 British, 12 Norwegian, 4 Dutch, 2 Greek and 1 Belgian.

On July 12, 1941, a convoy comprising 41 vessels of which 21 were British, 8 Norwegian, 5 Greek, 3 Pan., 2 Dutch, 1 Swedish and 1 Polish, sailed from Sydney under the ocean escort of H.M. Ships "AURANIA" and "LEITH".

During the week there were three independent trans-ocean sailings, two from the Atlantic Coast and one from the Pacific Coast.

4. WORKS

(a) M.E.O. Ninety D.E.M.S. inspections were carried out during the week at the following ports:-

HALIFAX	42
SYDNEY	23
MONTREAL	15
QUEBEC	8
SAINT JOHN	2

(b) Information regarding arming etc. has been received regarding the following ships:-

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TAI YANG	4" gun mounted	Halifax
OCANA	4" gun mounted	Halifax
MIRLO	4" gun mounted	Halifax
THORSHOVDI	4" gun mounted	Halifax
ACASTA	3" gun mounted	Sydney
MALVINA	In hand mounting 4" gun	Halifax
BONNEVILLE	In hand mounting 4" gun	Halifax
FAGERSTEN	In hand for stiffening	Montreal
SELBO	Damaged 90 mm gun removed and a 3" gun mounted	Sydney

(c) The degaussing equipment of 86 ships was inspected this week in Canadian ports. Seventy-nine were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

D.G. Completed	11
D.G. Repairs	0
D.G. Modifications	0
In hand for D.G.	55
In hand for repairs	3
In hand for modification	0

(e) D.T.D. Inspections and Trials of New Construction for the R.C.N. are proceeding under the supervision of the staff at Toronto; Quebec; Sorel; Saint John, N.B.

Trials and Commissioning of ships during the past week took place in regard to H.M.C.S.-

CORVETTES

"BRANDON" Acceptance Trial successful July 16th; Commissioning date July 19th.

"ALGOMA" Commissioned July 11th.

"BATTLEFORD" Endurance & Full Power Trials successful July 12th.

"AMHERST" Full Power and Endurance Trials being held July 17th.

"DAWSON" Trials postponed indefinitely due to nonarrival of equipment.

MINESWEEPERS

"MINAS" Anticipated trials to commence July 22nd, anticipated acceptance August 2nd.

"MALPEQUE" Anticipated trials - Basin July 18th, Progressive July 25th, F.P. July 26, Acceptance August 4th.

"COURTENAY" Proposed launching - August 2nd.

"WASAGA" Commissioned July 1st.

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FAIRMILES

A-066 Launched July 12th.

(f) S.T.T.D. Lieutenant E. Nicholson - who has had 15 months' sea experience in "LL" M/S-was able during a visit at N.S.H.Q. to give useful pointers to R.C.N. He stressed the need for providing spare ships and spare equipment, over and above estimated requirements.

Drawings have been sent to D.N.S. in connection with the purchase of acoustic M/S gear. Subject to sanction the arrangement is to have the component parts made in private shops and the equipment assembled in the Dockyard.

Automatic equipment for controlling the floodlighting of ships in accordance with Professor Burr's investigation has been completed in N.R.C. and shipped to Halifax for installation aboard a ship.

The metallurgical laboratory are at present experimenting with two projects, one for light weight armour plate, the other steels suitable for hull plates.

(g) I.O.B. Normal operations and maintenance proceed at all bases. I.O.B. has returned from an inspection trip; the following bases may be reported upon specially:- Shelburne, N.S. - buildings are about 70% completed; slab about 60%; concrete anchors about 75%. Gaspe, P.Q. - Gate Vessels have been moored in place and about 70% of the trots are in position. As only 3 nets have been made up the contractor has been requested to engage more men and to work on 2 shifts. St. John's, Nfld. - "LADY LAURIER" is expected to proceed shortly with part of the material for A/T baffles for this port. Assembly of the nets will commence upon her arrival. Esquimalt B.C. - Both A/S and A/T nets have been completed and are in full operation. Prince Rupert, B.C. - The D.M. (N) has recommended the approval of the contract for the Boom Defence buildings. Work is to start at once, completion expected in about 4 weeks. The contract for the laying of the A/S net has been awarded to the West Coast Salvage and Contracting Company. Careful investigation of other firms tendering revealed that although they were somewhat lower in price they would not prove satisfactory, as they had either not included all requirements called for, or else did not possess suitable derrick scows or necessary equipment.

(h) R.D.F.O. H.M.C. corvettes "BADDECK" and "SHERBROOKE" are now being fitted with the S.W. - I.C. set. All accessories have been delivered. The rotating gear is already fitted on "BADDECK", partly fitted on "SHERBROOKE", and both should be completed by July 22nd.

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N.R.C. are being pressed to complete their development of the flexible shaft type of rotating gear in view of the apparent unsuitability of the rigid Ajax rotator for use on non-American destroyers.

A report will be made upon the suitability of the shaft rotator for installation in M/S after Mr. Jamieson reports upon the equipment at Research Enterprises Limited, Toronto.

S/Lts. Dunn and Roue with Lieut. Campbell continue their work at N.R.C. - completion of construction of the production of the 5 S.W. - I.C. sets. One had previously been completed and has been installed by N.R.C. in H.M.S. "MALAYA". Of the remaining five one will be installed by N.R.C. in a R.N. A.M.C., two appropriated for the R.C.N. for additional corvettes, or as deemed advisable.

It is expected that by the use of our R.D.F. officers in this work the 2 sets assigned for the R.C.N. will be available for shipment to Halifax on July 21. Arrangements are being made with Research Enterprises Ltd. to supply the antenna and other accessories so as to complete the installation of these two additional ships.

R.E.L. have advised that delivery of further SW-IC (the standard) sets will not commence until the middle of August. There is no certainty that motor generators will be available at that time. Every known avenue is being explored to obtain motor generators to fill in the gap between the present time and the date on which regular delivery of motor generators can be made from the R.E.L. supplier.

The C.D.-I.C. set at Duncan's Cove continues to be in process of installation.

Trials of a 10cm. R.D.F. referred to in last week's report had to be postponed for 3 weeks in view of the changes found to be necessary to suit the equipment to installation aboard ship.

In view of the difficulty met in maintaining control of installation, etc., at Halifax, proposals for the improvement of the situation have been discussed with S. A/S, who has submitted a proposal now approved for the remedying of the difficulties.

An O.C. of installation (probably S/Lt. Dunn) is to be appointed to "STADACONA", to report to HQ through C.O. Signal School.

N.R.C. report that the Canadian S.W. - I.C. set has been successfully installed in H.M.S. "MALAYA", and that its performance is good. Sea trials were not able to be carried out, the performance being judged by harbour echoes, a method which is quite satisfactory when employed by a skilled observer.

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An R.D.F. manual for interim use is being prepared at HQ for the use of Signal School, etc.

(i) R.L.O. A trip to Toronto district was made to investigate - 1. the status of experimental work on the radio proximity fuse being carried out by the physics Dept., University of Toronto. 2. Manufacturing capabilities of Research Enterprises Limited. 3. Laboratory and manufacturing facilities of the Duplate Safety Glass Company, of Oshawa.

Contact was established with the Bakelite Corporation of Canada, to determine its status with regard to co-operation in the development of resin moulding compounds having naval application.

A demonstration was witnessed of a magnetostriction echo sounding installation built by the physics department, University of Toronto, which is worthy of support in view of its possible application to short-range submarine detection.

(j) S. A/S The Maintenance staff of Halifax is assisting the Norwegian Mission in the installation of their A/S sets in the Norwegian Whalers.

In regard to fixed defence Stations, the laying of the 2nd loop is continuing at Halifax.

Buildings at Sydney are 90% complete, installation of the one H.D.A. can commence shortly.

The submarine detection device owned by Mr. Andrews of Los Angeles has now been made ready for a demonstration. The matter is being referred to the U.S. Navy, results of the trial to be reported.

(k) D.G.O. The D.G.O. is in New York inspecting degaussing as fitted in the U.S.A.

5. STORES The equipment purchased by the Naval Stores amounted this week to $280,553.00.

6. GENERAL H.M.C.S. "COLUMBIA" refit at Saint John, N.B.

H.M.C.S. "PRINCE HENRY" is expected to complete repairs at Esquimalt, on July 22, 1941.

A new generator will be installed in H.M.C.S. "NIAGARA" presently at Halifax.

H.M.C.S. "OTTAWA" arrived Halifax on July 17th, from St. John's, Nfld, to be taken in hand for annual refit. It is estimated that it will take 5 weeks to complete refit.

H.M.C.S. "COLLINGWOOD" scheduled to arrive at Halifax on July 19th, to be taken in hand for refit.

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H.M.C.S. "RACCOON" will soon sail from Gaspe for Dalhousie, N.B. where it will undergo refit.

H.M.C.S. "CARTIER" will also undergo refit at Halifax.

CHIEFS OF STAFF COMMITTEE

19th July
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DEPARTMENT OF NATIONAL DEFENCE C179181

HQ.S. 5199-U, Vol. 9.

Ottawa, 26th July, 1941.

Summary of Information Respecting Departmental Activities.

SUMMARY NO. 90.

(For week ending 26th July)

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N A V A L S E R V I C E S

1. PERSONNEL.

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at July 24th,

	Officers	Ratings	TOTAL
R.C.N.	304	3,090	3,394
R.C.N.R.	650	3,571	4,221
R.C.N.V.R.	1,768	12,839	14,607
TOTAL	2,695	19,500	22,222

Increase - 146

(b) Recruiting Activities from July 17th, 1941, to July 24th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	1	3
R.C.N.R.	4	13	17
R.C.N.V.R.	26	162	188
TOTAL	32	176	208

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	32	32
(b) Other Reasons	0	29	29
TOTAL	0	61	61

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	1	1

(e) Complement borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
232	1,194	1,426

2. CASUALTIES

-nil-

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	28	309	337
Other Deaths.	3	35	38
TOTAL.	31	344	375
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Departures -

(i) H.M.S. "SOUTHERN PRINCE" escorting convoy HX 139. 17.7.41.

(ii) H.M. Ships "BUXTON", "HAVELOCK", "HESPERUS", "MALAYA" and H.M.C. Ships "ASSINIBOINE", "COLUMBIA", "RESTIGOUCHE" escorting Troop Convoy 12. 21.7.41.

(iii) H.M. Ships "ASCANIA" and H.M.C. Ships "BITTERSWEET", "BUCTOUCHE", "FRENCH" escorting Convoy HX 140. 22.7.41.

(iv) H.M.C. Ships "STAR XVI" and "SUDEROY V" for Sydney, C.B. 22.7.41.

(v) H.M.C.S. "CHILLIWACK" escorting "LADY DRAKE". 22.7.41.

(vi) H.M.C.S. "ANNAPOLIS" for Saint John, N.B. to enter drydock. 23.7.41.

(vii) H.M.C.S. "BARRIE" escorting Convoy 38. 24.7.41.

(viii) H.M.C.S. "CANROSE" on patrol. 24.7.41.

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(ix) H.M.C.S. "ORILLIA" escorting Convoy HX 140. 24.7.41.

(x) H.M.C.S. "SASKATOON" on patrol. 24.7.41.

(xi) H.M.C.S. "SHERBROOKE" on patrol. 24.7.41.

(xii) H.M.C.S. "TRAIL" on patrol. 24.7.41.

- Arrivals -

(xiii) H.M.C.S. "ALGOMA". 18.7.41.

(xiv) H.M.S. "AURANIA" for repairs. 18.7.41.

(xv) H.M.C.S. "CARTIER". 18.7.41.

(xvi) H.M.C.S. "SHEDDIAC" from Quebec. 18.7.41.

(xvii) H.M.S. "MALOJA". 18.7.41.

(xviii) H.M.C.S. "ST. CROIX" with engine trouble. 18.7.41.

(xix) H.M.C.S. "COLLINGWOOD". 19.7.41.

(xx) H.M.C.S. "GASPE". 20.7.41.

(xxi) H.M.S. "AUSONIA" from Out Bound Convoy 343. 22.7.41.

(xxii) H.M.S. "CARINTHIA". 22.7.41.

(xxiii) H.M.C.S. "RACCOON". 22.7.41.

(xxiv) H.M.S. "TULIP". 22.7.41.

(xxv) H.M.S. "MONTCLARE". 23.7.41.

- At St. John's -

- Departures -

(xxvi) H.M.S. "FLEETWOOD" escorting HX 139. 19.7.41.

(xxvii) H.M.S. "TOTLAND" escorting HX 139. 19.7.41.

(xxviii) H.M.S. "HARVESTER" escorting Troop Convoy 12. 22.7.41.

(xxix) H.M.S. "RIPLEY" escorting Troop Convoy 12. 22.7.41.

(xxx) H.M.S. "ST. FRANCIS" for Halifax for refit. 22.7.41.

- Arrivals -

(xxxi) H.M.S. "WALNEY. 16.7.41.

(xxxii) H.M.C.S. "LEVIS". 17.7.41.

(xxxiii) H.M.C.S. "CHAMBLY" sailed from St. John's, Nfld. escorting Convoy HX 139. 18.7.41.

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(xxxiv) H.M.C.S. "GALT". 18.7.41.

(xxxv) H.M.C.S. "SKEENA". 18.7.41.

(xxxvi) H.M.S. "RAMSEY". 22.7.41.

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(xxxvii) H.M.C.S. "CHICOUTIMI" sailed from Sydney, C.B. escorting Convoy HX 140. 22.7.41.

(xxxviii) H.M.S. "CHITRAL" sailed from Sydney, C.B. July 23rd escorting Slow Convoy 38. 22.7.41.

(xxxix) H.M.C.S. "MATAPEDIA" sailed Sydney, C.B. July 22nd escorting Convoy HX 140.

(xl) H.M.C.S. "DAUPHIN" sailed Sydney to escort Slow Convoy 38. 24.7.41.

(xli) H.M.C.S. "NAPANEE" sailed from Sydney, C.B. July 24th to escort slow Convoy 38.

(xlii) H.M.C.S. "ST FRANCIS" is due at Halifax July 24th.

(xliii) H.M.C. Ships "AGASSIZ", "ARROWHEAD", "MAYFLOWER", "EYEBRIGHT" and "METASKIWIN" are escorting convoy outbound from U.K. from Iceland to dispersal point off Nfld.

(xliv) H.M.C.S. "BATTLEFORD" was due at Montreal July 23rd from Collingwood en route to Halifax.

(xlv) H.M.C.S. "PRINCE DAVID" is patrolling off French Antilles.

(xlvi) H.M.C.S. "PRINCE ROBERT" sailed Auckland July 22nd escorting transports eastward.

(b) Convoys

The Halifax, Sydney and Wabana sections of a convoy comprising 60 ships sailed on July 16th under the Ocean Escort of H.M.S. "RANPURA". The 60 vessels in the convoy comprised 42 British, 9 Norwegian, 5 Dutch, 2 Belgian, 1 Greek, 1 Swedish.

On July 22nd, a convoy comprising 29 ships of which 17 were British, 7 Norwegian, 5 Greek, sailed from Sydney under the Ocean Escort of H.M.S. "CHITRAL."

This week there were four independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) D.E.O. Eighty-nine D.E.M.S. inspections were carried out this week at the following ports:-

HALIFAX.....34
SYDNEY.....33
MONTREAL.....17
ESQUIMALT..... 5

.....5

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(b) Information regarding arming etc. has been received regarding the following ships:-

"MALVINA"	4" gun mounted	Halifax
"BONNEVILLE"	4" " "	"
"SOLITAIRE"	4" " "	"
"SEGUNDO"	4" " "	"
"NEMANJA"	In hand mounting 4" gun	"
"ARTEMIS"	" " " " "	"
"BLINK"	" " " " "	"
"THORSHAMMER"	" " " " "	"
"HAVKONG"	" " " 3" "	"

Requests from Masters of D.E.M.S. Ships to supply Kites have been received and the manufacture of Kites in Canada is now under consideration.

Enquiries have been received as to whether both Naval and Military D.E.M.S. Gunners may be employed on Anti-Sabotage watch while the vessel is in port. Admiralty has been asked for a ruling.

(c) The degaussing equipment of 89 ships was inspected this week in Canadian ports, and all were reported as being satisfactory.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

D.G. Completed	14
D.G. Repairs	3
D.G. Modifications	0
In hand for D.G.	55
In hand for repairs	1
In hand for modifications	0

(e) D.T.D. Inspections and Trials of New Construction for R.C.N. are proceeding under the supervision of the staff at Collingwood; Sorel; Montreal; Saint John, N.B.

Details of Trials and Commissioning are -

CORVETTES

"BRANDON"	Acceptance Trial successful July 10th; Commissioned July 22nd.
"AMHERST"	Endurance and F.P. Trials successful July 18th.
"BATTLEFORD"	Acceptance Trial successful July 19th.
"SOREL"	Endurance and Full Power Trials successful July 22nd.

(f) S.T.T.D. Suderoy IV and Suderoy V have been undergoing trials. Both these ships are now ready for service. Ross Norman and Standard Coaster proceed slowly owing to shortage of electricians in the dockyard.

(g) I.O.B. Normal operations and maintenance proceed at all bases. At Sydney, N.S. the A/S boom is operating satisfactorily and A/R and A/S booms are in operation at Esquimalt, B.C.

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(h) R.D.F.O. A suitable location has been found for R.D.F. gear in Fairmiles.

The situation regarding motor generators has been alleviated during the week, Munitions & Supply having located a supply.

C.D. R.D.F. set at Duncan's Cove is still in process of installation.

The Panoramic Receiver being developed by the Canadian Marconi Company and Dr. Wallace of New York was demonstrated at N.R.C., and arrangements have been made for a sea trial.

A satisfactory solution has been found for the installation of the rotating gear in H/S.

(i) S. A/S Type 128 sets at Dufferin Shipyards were inspected.

(j) D.G.O. During D.G.O's inspection trip to New York a discussion was held with Admiral Barry regarding the new method of d-gaussing which erases many of the difficulties and expenses of the present classes of D.G.

The question of compass corrector coils, i.e., B coils; heeling error coils; and C coils was studied, as well as that of correcting the compass of a ship having M, F(p) and F(i) coils.

5. STORES The equipment purchased by the Naval Stores amounted this week to $236,010.13.

6. GENERAL H.M.C.S. "NIAGARA" was taken in hand at Halifax for repairs July 18th. She is expected to be ready to sail August 2nd.

H.M.C.S. "PRINCE HENRY" completed refit at Esquimalt. She will sail from Esquimalt July 25th to patrol West Coast.

H.M.C.S. "HAMILTON" now undergoing refit at Halifax is due to be completed on July 26th.

Refit work on H.M.C.S. "COLUMBIA" was reported 100% complete on July 18th.

CHIEFS OF STAFF COMMITTEE

26th July
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DEPARTMENT OF NATIONAL DEFENCE

C179187

HQ.S. 5199-U, Vol. 9.

Ottawa, 2nd August, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 91.

(For week ending 2nd August)

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N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at July 31st, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	304	3,103	3,407
R.C.N.R.	649	3,588	4,237
R.C.N.V.R.	1,767	12,971	14,738
TOTAL	2,720	19,662	22,382

Increase - 137

(b) Recruiting Activities from July 24th, 1941, to July 31st, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	14	14
R.C.N.R.	0	23	23
R.C.N.V.R.	0	131	131
TOTAL	0	168	168

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec. 2)		1	0	1
Discharges	(a) Med. Unfit	1	11	12
	(b) Other Reasons	0	18	18
TOTAL		2	29	31

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C N. from R.C.N.V.R.	0	0	0
To R.C.N.R from R.C.N.V.R.	0	1	1
To R.C.N.V.R. from R.C.N.	0	1	1
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
235	1,379	1,614

2. Casualties

(a) Ramsay A. NARES, Lieut., R.C.N.V.R. - Presumed killed in loss of H.M.S. "FEARLESS" - 23rd July, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	29	309	338
Other Deaths.	3	35	38
TOTAL.	32	344	376
Wounded or Injured. . .	1	63	64
Prisoners of War. . . .	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Departures -

(i) H M.C.S. "FENNEL" escorting Convoy HX 140. 22.7.41.

(ii) H.M.C.S. "TULIP" for Charleston, S.C., 24.7.41.

(iii) H.M.C.S. "CLARKIA" for Charleston, S.C., 24.7.41.

(iv) H.M C. Ships "RACCOON" and "VISON" for Gaspe. 26.7.41.

(v) H.M.C.S. "ST. FRANCIS" for Pictou. 26.7.41

(vi) H.M.S. "CHESHIRE" for Freetown. 26.7.41.

(vii) H M.C. Ships "TRAIL", "ORILLIA", "NANAIMO" and H.M.S. "MONTCLARE" excorting Convoy HX 141. 27.7.41.

(viii) H.M.S. "BUXTON" sailed for Boston. 27.7.41.

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(ix) H.M.S "AURANIA" for Norfolk, Va., 27.7.41.

(x) H M C.S. "SHEDDIAC" for exercising. 28.7.41.

(xi) H.M.C.S. "ALGOMA" for exercising. 28.7.41.

(xii) H.M.C.S. "ARVIDA" escorting "LADY DRAKE". 30.7.41.

(xiii) H.M.S. "MALOJA" for Sydney, C.B. 30.7.41.

(xiv) H M C.S. "ST. CLAIR" for Saint John, N.B. 30.7.41.

(xv) H.M.C.S. "ST CROIX". 30.7.41.

- Arrivals -

(xvi) H.M.S. "BUXTON". 26.7.41.

(xvii) H.M.S. "CALIFORNIA". 26.7.41.

(xviii) H M S. "CHITRAL". 29.7.41.

(xix) H M.C.S. "ANNAPOLIS". 30.7.41.

(xx) H.M S. "WOLFE". 30.7.41.

- At St. John's -

- Arrivals -

(xxi) H.M.C.S "TRILLIUM". 20.7.41

(xxii) H.M.C.S. "WINDFLOWER". 20.7.41.

(xxiii) H.M.C.S. "SAGUENAY". 25.7.41.

(xxiv) H.M.S. "CAMELLIA". 26.7.41.

(xxv) H M.C.S. "ARROWHEAD". 26.7.41.

(xxvi) H.M.C.S. "CHILLIWACK". 27.7.41

(xxvii) H.M.C.S. "EYEBRIGHT" from escorting convoy from Iceland rendezvous to Western dispersal point. 27.7.41.

(xxviii) H.M.C.S. "GALT". 28.7.41.

(xxix) H.M C S. "BUCTOUCHE". 29.7.41.

- Departures -

(xxx) H.M. Ships "RAMSEY", "NASTURTIUM", "MIMOSE" escorting S.C. 38. 24.7.41.

(xxxi) H.M.S. "RAMSEY" northbound. 24.7.41.

(xxxii) H.M.S. "GLADIOLUS". 24.7.41.

(xxxiii) H.M.S. "PRIMROSE" and H.M.C.S. "ALBERNI" escorting convoy HX 141. 29.7.41.

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(xxxiv) H.M.C.S. "BATTLEFORD" arrived Montreal. 23.7.41.

(xxxv) H.M.C.S. "NAPANEE" arrived Sydney, C.B., 27.7.41.

(xxxvi) H.M.C.S. "MATAPEDIA" sailed from Sydney, C.B., escorting Convoy HX 141. 27.7.41.

(xxxvii) H M.C.S. "DAUPHIN" arrived Sydney, C.B. 27.7.41.

(xxxviii) H.M.C.S. "BARRIE" arrived Sydney, C.B., 27.7.41.

(xxxix) H.M.C.S. "BRANDON" sailed Quebec for Halifax. 29.7.41.

(xl) H.M.C. Ships "AGASSIZ" and "WETASKIWAN" escorting convoy from Iceland rendezvous to St. John's.

(xli) H.M.C. Ships "ALBERNI", "SKEENA", "ORILLIA", escorting convoy from St. John's rendezvous to Iceland rendezvous, thence Iceland.

(xlii) H.M.C. Ships "BITTERSWEET" and "FENNEL" escorting convoy from Halifax to Iceland rendezvous, thence Iceland.

(xliii) H.M.C.S. "PRINCE DAVID" patrolling French Antilles.

(xliv) H.M.C.S. "PRINCE HENRY" patrolling West Coast.

(xlv) H.M.C.S. "PRINCE ROBERT" en route Easter Island from Auckland to investigate reported presence of damaged German raider.

(xlvi) H.M.C. Ships "RIMOUSKI", "ST. LAURENT", "SPIKENARD" escorting convoy from Iceland rendezvous to Western dispersal point, thence to St. John's.

(xlvii) H.M.C. Ships "SAGUENAY", "SNOWBERRY" escorting convoy from Iceland rendezvous to Western dispersal point, thence to St. John's, Nfld.

(xlviii) H.M.C. Ships "SASKATOON", "SHERBROOKE" on patrol off Halifax.

(b) Convoys

On July 22nd the Halifax, Sydney and Wabana sections of a convoy, sailed under the Ocean Escort of H.M.S. "Ascania". The 74 ships in the convoy comprised 49 British, 17 Norwegian, 6 Dutch, 1 Swedish, 1 Yugoslavian.

The Halifax, Sydney and Wabana sections of a convoy, under the Ocean Escort of H.M.S. "MONTCLARE" sailed on July 27th. The 62 ships in the convoy comprised 46 British, 14 Norwegian, 1 Swedish, 1 Belgian.

During the week there were three independent trans-ocean sailings from the Atlantic Coast.

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4. [redacted]

(a) M.E.O. Fifty-two D.E.M.S. inspections were carried out this week in the following Canadian ports:- Halifax (17), Montreal (27), Sydney (6), Quebec (1), Three Rivers (1).

(b) Information regarding arming etc. has been received regarding the following ships:-

"ARTEMIS"	3" gun mounted	Halifax
"HAVKONG"	3" " "	"
"MARIJA PERTINOVIC	In hand mounting 3" gun	"
"SILJESTAD"	" " " " "	"
"FAGERSTEN"	" " for stiffening & arming	Montreal
"NOVASLIE"	" " " " " arming	"
"LAGO"	In hand for stiffening & arming	"
"COLBORNE"	In hand for bridge protection.	

Inquiries are being received from D.E.M. Ships for gun shields for Low Angle Guns. Admiralty have been asked for their policy regarding fitting of these shields.

(c) The degaussing equipment of 52 ships was inspected in Canadian ports. 48 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States Ports:-

D.G. Completed	8
D.G. Repairs	1
D.G. Modifications	1
In hand for D.G.	65
In hand for Repairs	5
In hand for Modifications	1

(e) D.T.D. Inspections and Trials of New Construction for R.C.N. have taken place at Toronto, Montreal, Quebec, Sorel and Port Arthur.

Details of Trials and Commissioning are - H.M.C. Corvettes "WEYBURN" and "DUNDAS", launched July 26th and 25th respectively; Fairmiles 087 and 060 launched July 26th and July 25th respectively.

(f) S.T.T.D. Reports from the U.S.A. indicate the possibility of the development of a magnetic mine which could not be swept by existing LL sweeps. Preliminary calculations indicate that should the enemy have the same idea and develop similar mines, modifications can be made to the LL sweeps to suit.

A meeting was held during the week in the Metallurgical Laboratory of the Department of Mines and Resources to arrange a definite programme for the production of protective plate. It was agreed that a representative from the Shipbuilding branch should visit Hamilton to see the handling and working of plate that is now being produced for tanks and Bren gun carriers.

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Arrangements are being made for the manufacture of a few incendiary bombs for use during A.R.P. training in the dockyard in Halifax.

(g) I.O.B. Operations at all bases proceed according to schedule, smoothly and speedily.

(h) D.G.O. Specifications and drawings have been issued to shipyards regarding the D.G. of Diesel M/S, while cable for vessels has been on order for 5 weeks.

An order has been placed for lead sheathed D.G. cable to be used on "A" coils for LL M/S.

A complete report on the state of completion of D.G. control gear on Corvettes accepted to date has been forwarded to S.S.B. and to the Department of Munitions and Supply.

Committee XC-1 held a meeting, with D.G.O. as Naval representative. Cable specifications were discussed.

5. STORES The equipment purchased by the Naval Stores amounted this week to $272,040.00.

CHIEFS OF STAFF COMMITTEE

July 31st,
1 9 4 1

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S E C R E T

COPY NO. 1.

DEPARTMENT OF NATIONAL DEFENCE

C179193

HQ.S. 5199-U, Vol. 9.

Ottawa, 9th August, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 92.

(For week ending 9th August)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at August 7th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	305	3,211	3,516
R.C.N.R.	660	3,587	4,247
R.C.N.V.R.	1,772	13,024	14,796
TOTAL	2,737	19,822	22,559

Increase - 177

(b) Recruiting Activities from July 31st, 1941 to August 7th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	1	107	108
R.C.N.R.	11	3	14
R.C.N.V.R.	5	88	93
TOTAL	17	198	215

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	27	27
(b) Other Reasons	0	11	11
TOTAL	0	38	38

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	6	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
272	1,562	1,834

2. CASUALTIES

- nil -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	29	309	338
Other Deaths.	3	35	38
TOTAL.	32	344	376
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Departures -

(i) H.M.S. "AUSONIA". 1.8.41.

(ii) H.M.C.S. "HAMILTON" for Shelburne. 2.8.41.

(iii) H.M.C. Ships "ANNAPOLIS" and "NIAGARA" escorting Convoy HX 143. 5.8.41.

(iv) H.M.S. "WOLFE" on patrol. 5.8.41.

- Arrivals -

(v) H.M.C.S. "SAGUENAY" after patrolling off Cape Race. She was taken in hand to make good urgent defects. 1.8.41.

(vi) H.M.C.S. "BRANDON" from Quebec. 1.8.41.

(vii) H.M.C.S. "ST. FRANCIS" from St. John's, Nfld. 2.8.41.

(viii) H.M.C. Ships "RIMOUSKI" and "SPIKENARD" for fitting R.D.F. 3.8.41.

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	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	6	6

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Officers	Ratings	TOTAL
272	1,562	1,834

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- nil -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
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Other Deaths.	3	35	38
TOTAL.	32	344	376
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Departures -

(i) H.M.S. "AUSONIA". 1.8.41.

(ii) H.M.C.S. "HAMILTON" for Shelburne. 2.8.41.

(iii) H.M.C. Ships "ANNAPOLIS" and "NIAGARA" escorting Convoy HX 143. 5.8.41.

(iv) H.M.S. "WOLFE" on patrol. 5.8.41.

- Arrivals -

(v) H.M.C.S. "SAGUENAY" after patrolling off Cape Race. She was taken in hand to make good urgent defects. 1.8.41.

(vi) H.M.C.S. "BRANDON" from Quebec. 1.8.41.

(vii) H.M.C.S. "ST. FRANCIS" from St. John's, Nfld. 2.8.41.

(viii) H.M.C. Ships "RIMOUSKI" and "SPIKENARD" for fitting R.D.F. 3.8.41.

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(ix) H.M.S. "CIRCASSIA". 3.8.41.

(x) H.M.S. "BROADWATER" from St. John's, Nfld. 4.8.41.

(xi) H.M.C.S. "BATTLEFORD" from Quebec. 5.8.41.

- At St. John's -

- Departures -

(xii) H.M.C.S. "BUCTOUCHE" to patrol Belle Isle Straits. 2.8.41.

(xiii) H.M.S. "CHESTERFIELD" to rendezvous with HX 142. 3.8.41.

(xiv) H.M.C.S. "WINDFLOWER" to escort HX 143. 3.8.41.

(xv) H.M.S. "CAMELLIA" on patrol. 5.8.41.

(xvi) H.M.C.S. "WETASKIWIN" for Halifax. 5.8.41.

- Arrivals -

(xvii) H.M.S. "BURNHAM". 1.8.41.

(xviii) H.M.S. "CELANDINE". 1.8.41.

(xix) H.M.S. "BROADWATER". 2.8.41.

(xx) H.M.C. Ships "AGASSIZ" and "MAYFLOWER" from escorting convoy outbound from U.K. from Iceland R/V to Western dispersal point. 2.8.41.

(xxi) H.M.C.S. "CHILLIWACK" from patrolling off Grand Banks. 4.8.41.

(xxii) H.M.S. CAMELLIA". 5.8.41.

(xxiii) H.M.C.S. "COLLINGWOOD" from Halifax. 6.8.41.

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(xxiv) H.M.C.S. "BATTLEFORD" arrived Quebec from Montreal. 1.8.41.

(xxv) H.M.C.S. "NAPANEE" sailed from Sydney escorting convoy HX 142. 1.8.41.

(xxvi) H.M.C. Ships "COWICHAN" and "WASAGA" sailed from Esquimalt via Panama. 6.8.41.

(xxvii) H.M.S. "BULOLO" sailed from Baltimore after completing refit. 4.8.41.

(xxviii) H.M.C.S. "PRINCE DAVID" is en route to Curacao from Trinidad.

(xxix) H.M.C.S. "PRINCE HENRY" is patrolling the West Coast arrive Prince Rupert Aug. 1, departed Aug. 3.

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(xxx) H.M.C.S. "PRINCE ROBERT" is en route to Easter Island from Auckland to investigate reported presence of damaged raider.

(xxxi) H.M.C. Ships "HEPATICA","WINDFLOWER", "TRILLIUM", "ARROWHEAD" and "EYEBRIGHT" and H.M. Ships "AUSONIA, "CHESTERFIELD", "CHURCHILL", and "CAMELLIA" acting as escort to HX 142 and SC 39 sailed 1st of August.

(xxxii) H.M.C. Ships "NIAGARA", "NAPANEE", "DAUPHIN" "ANNAPOLIS", "AGASSIZ", "WETASKIWIN" and "MAYFLOWER" and H.M. Ships "WOLFE", "BURWELL" acting as escort to HX 143 sailed Halifax August 5th.

(b) Convoys

On july 22nd, a convoy comprising 29 ships of which 16 were British, 7 Norwegian, and 6 Greek sailed from Sydney under the Ocean Escort of H.M.S. "CHITRAL".

Note Information unavailable on this convoy at time of last report.

A convoy sailed from Sydney on August 1st, under the Ocean Escort of H.M.S. "MALOJA". The 34 ships in the convoy comprised 17 British, 4 Norwegian, 10 Greek, 1 Pan., 1 Belgian, 1 Eire.

The Halifax and Sydney sections of a convoy sailed on August 1st under the Ocean Escort of H.M.S. "AURANIA". The 71 ships in the convoy comprised 54 British, 6 Norwegian, 2 Greek, 7 Dutch, 2 Swedish.

There were four independent trans-ocean sailings this week from the Atlantic Coast.

4. WORKS

(a) M.E.O. One hundred and fifty-nine D.E.M.S. inspections were carried out this week in the following ports:- Halifax (117), Sydney (26), Montreal (12), Quebec (3), Saint John (1).

(b) Information regarding arming etc. has been received regarding the following ships:-

"VICTOLITE"	3" gun mounted	Montreal
"FAGERSTEN"	3" gun mounted	Montreal

A reply from the Admiralty regarding the fitting of Gun Shields to L.A. Guns states that this is under consideration. There is no objection to Owners fitting them at their own expense subject to no interference with proper working of the Gun and Mounting and approval of Naval Authorities.

(c) The degaussing equipment of 159 ships was inspected this week in Canadian ports. 152 were reported as being satisfactory; repairs have been carried out on the remainder.

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(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

D.G. Completed	19
D.G. Repairs	2
D.G Modifications	0
In hand for D.G.	77
In hand for Repairs	7
In hand for Modifications	1

(e) D.T.D. Inspections and trials of new construction for the R.C.N. have taken place in Toronto, Port Arthur, Montreal, Sorel, Saint John, N.B.

Details of trials, commissioning are - H.M.C.S. "BATTLEFORD" commissioned July 31st, H.M.C.S. "AMHERST" passed Acceptance trials August 4th. H.M.C. Minesweeper "MINAS" accepted and commissioned August 2nd, "MALPEQUE" accepted and commissioned August 4th and "COURTENAY" launched August 2nd.

(f) S.T.T.D. Arrangements have been made at the Metallurgical Laboratory for 2 sets of tests to be made, one for I.O.B. and one for S.S/B.

(g) I.O.B. In regard to Boom Defence, a concrete vessel was successfully launched at Halifax.

At Shelburne, N.S., serious delay is occurring on construction of launching trough. Works and Buildings have been requested to hasten matters. It has been decided to instal one section of original Boom at Saint John as a trial. Authorisation has been given for an expenditure of between $3,000.00 and $4,000.00 for extra equipment.

At Gaspe, P.Q., the Foundation Company's Tug Boat "ALICE" fouled the Boom necessitating the removal and repairing of a section of the net. Decision is under consideration as to whether or not the A/S Boom at Esquimalt, B.C. should be single or double line.

(h) S.A/S The Admiralty has despatched an Asdic mobile training unit to St. John's, Nfld. where it will be used for submarine attack teaching and training in the use of the various A/S sets.

The total of Corvettes fitted with Type 123A sets is now 37, and with the 14 auxiliary vessels reaches a figure of 51 Type 123A sets fitted in R.C.N. ships.

Type 128 sets are now installed in "COWICHAN", "WASAGA" and "NIPIGON". Installation of the first Type 134 set has started in the Fairmile at Humber Bay, Toronto.

A representative of the R.N.N. visited S.A/S in connection with 9 - Type 134 sets purchased by the Netherlands Purchasing Commission. The question of alt-ration of sets was discussed and a complete agreement arrived at.

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(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

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D.G Modifications	0
In hand for D.G.	77
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In hand for Modifications	1

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(i) R.D.F.O. H.M.C. Corvettes "RIMOUSKI" and "SPIKENARD" are now being fitted with R.D.F. gear.

A booklet covering the operational use of R.D.F. in H.M.C. ships has been prepared by Commander Pressey, and is now in the process of printing, while another booklet dealing with technical operation of R.D.F. has been prepared by Lieut. Commander Argyle and is about to be printed.

The manual on the SW-IC continues to be under preparation at the Research Enterprises Limited.

It is now possible to gauge the ship fitting program for R.D.F. more accurately than has been possible in the past. Preliminary production in quantity has actually begun at Research Enterprises Limited. Production in quantity of rotating mechanisms, is under way. The delivery of motor generators after August 15th appears to be fairly well assured, guarantees having been given to the Research Enterprises Limited from three separate sources, i.e., Electric Tamper, United States Navy, and General Electric Company.

The priority of R.D.F. Shipfitting has been established by Director of Operations Division and arrangements are in hand to carry out a plan.

(j) R.L.O. The National Research Council has commenced work as Pilot Plant for the guidance of manufactures of plastic armour slabs.

The construction of fifty incendiary bombs has been undertaken by the National Research Council Metallurgical Division. The bombs will be ignited in position by the use of a slow burning fuse, and are to be used to demonstrate proper methods of handling for personnel undergoing A.R.P. training.

5. STORES The equipment purchased by the Naval Stores amounted this week to $501,049.00.

6. GENERAL H.M.C.S. "ST. FRANCIS" taken in hand at Halifax August 6th to make good urgent defects.

CHIEFS OF STAFF COMMITTEE

9th August
1 9 4 1

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DEPARTMENT OF NATIONAL DEFENCE

C179199

HQ.S. 5199-U, Vol. 9.

Ottawa, 16th August, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 93.

(For week ending 16th August)

-oOo-

NAVAL SERVICES

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at August 14th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	305	3,339	3,644
R.C.N.R.	662	3,593	4,255
R.C.N.V.R.	1,781	13,190	14,971
TOTAL	2,748	20,122	22,870

Increase-311

(b) Recruiting Activities from August 7th, 1941, to August 14th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	129	129
R.C.N.R.	2	15	17
R.C.N.V.R.	10	181	191
TOTAL	12	325	337

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit	0	14	14
(b) Other Reasons	1	10	11
TOTAL	1	25	26

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
342	1,549	1,891

2. CASUALTIES

(a) Cyril H. BURDEN, Ord. Smn., V.2340. Reported missing on D.E.M.S. "SWIFTPOOL", August 5th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	29	310	339
Other Deaths.	3	35	38
TOTAL.	32	345	377
Wounded or Injured.	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "ANNAPOLIS". 8.8.41.

(ii) H.M.S. "RANPURA". 10.8.41.

(iii) H.M.S. "CHITRAL", from patrol. 11.8.41.

(iv) H.M.S. "AUSONIA". 13.8.41.

(v) H.M.S. "WORCESTERSHIRE". 13.8.41.

- Departures -

(vi) H.M.S. "CALIFORNIA" for Sydney, C.B., 8.8.41.

(vii) H.M.S. "CIRCASSIA" on patrol. 9.8.41.

(viii) H.M.C.S. "ANNAPOLIS" to escort HX 144. 10.8.41.

(ix) H.M.S. "MALOJA" on escort duties. 10.8.41.

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(x) H.M.C.S. "SASKATOON" for Quebec. 10.8.41.

(xi) H.M.C.S. "LETHBRIDGE" for Pictou. 13.8.41.

(xii) H.M.C.S. "SHEDDIAC" for Pictou. 13.8.41.

(xiii) Convoy HX 144 and S.C. 40 sailed Halifax and Sydney under the Ocean Escorts of H.M. Ships "MALOJA", "READING", "HONEYSUCKLE", "SNOWBERRY", "CELANDINE", "ALYSSUM", H.M.C. Ships "COLLINGWOOD", "NIAGARA". Local escorts were H.M.C. Ships "ANNAPOLIS", "MATAPEDIA", "CHICOUTIMI", and "BARRIE. 10.8.41.

- At St. John's -

- Arrivals -

(xiv) H.M.C.S. "BUCTOUCHE". 11.8.41.

(xv) H.M.C.S. "RESTIGOUCHE". 12.8.41.

(xvi) H.M.C.S. "GALT". 12.8.41.

(xvii) H.M.C.S. "COLUMBIA". 13.8.41.

(xviii) H.M.C.S. "CHILLIWACK". 13.8.41.

- Departures -

(xix) H.M.S. "HONEYSUCKLE" on escort duties. 12.8.41.

(xx) H.M.C.S. "COLLINGWOOD". 12.8.41.

(xxi) H.M.C.S. "NIAGARA" on patrol. 12.8.41.

(xxii) H.M.S. "POLYANTHUS", 12.8.41.

(xxiii) H.M.S. "RICHMOND". 12.8.41,

(xxiv) H.M.C.S. "COLUMBIA". 13.8.41.

- At Little Placentia -

(xxv) H.M.C.S. "ASSINIBOINE" for St. John's, Nfld. 11.8.41.

(xxvi) H.M.C.S. "CHILLIWACK" for St. John's, Nfld. 12.8.41.

(xxvii) H.M.C.S. "NANAIMO" for St. John's, Nfld. 12.8.41.

(xxviii) H.M.S. "READING". 12.8.41.

(xxix) H.M.S. "RIPLEY". 12.8.41.

(xxx) H.M.C.S. "SAGUENAY". 12.8.41.

(xxxi) H.M.C.S. "TRAIL", on escort duties. 12.8.41.

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- At Iceland -

- Arrivals -

(xxxii) H.M.C.S. "ARROWHEAD". 13.8.41.

(xxxiii) H.M.S. "CAMELLIA" from patrol. 13.8.41.

(xxxiv) H.M.S. "CHESTERFIELD" from patrol. 13.8.41.

(xxxv) H.M.S. "CHURCHILL". 13.8.41.

(xxxvi) H.M.C.S. "EYEBRIGHT", from patrol. 13.8.41.

(xxxvii) H.M.C.S. "WINDFLOWER". 13.8.41.

(xxxviii) H.M.C.S. "TRILLIUM". 13.8.41.

- Departures -

(xxxix) H.M.C.S. "ALBERNI" on escort duties. 9.8.41.

(xl) H.M.C.S. "BITTERSWEET" on escort duties. 10 8.41

(xli) H.M.S. "CANDYTUFT". 10.8.41.

(xlii) H.M.C.S. "FENNEL" on escort duties. 10.8.41.

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(xliii) H.M.S. "BULOLO" arrived Bermuda from Baltimore. 8.8.41.

(xliv) H.M.C.S. "HAMILTON" sailed from Pictou for St. John's, Nfld. 13.8.41.

(xlv) H.M.C.S. "RESTIGOUCHE" struck a rock with both propellers off Argentia on August 9. Propellers badly chipped but hull and machinery undamaged. She proceeded to St. John's for repairs.

(xlvi) H.M.C.S. "NANAIMO" reported having grounded A.M. August 9th off Argentia sustaining considerable structural and other damage including A/S gear out of action. She was sailed for Halifax August 11 for repairs.

(xlvii) H.M.C.S. "PRINCE HENRY" was patrolling off the West Coast. Arrived Esquimalt August 10th.

(xlviii) (a) H.M.C.S. "PRINCE DAVID" sailed Curacao August 10th escorting "DOMINION MONARCH" to Halifax.

(xlviii) (b) H.M.C.S. "PRINCE ROBERT" arrived Talara August 13th from Easter Island where she had been investigating reported presence of damaged German raider. She has been instructed to proceed to Auckland after refuelling at Talara. No trace of German raider found at Easter Island.

(xlix) H.M.C. Ships "MINAS" and "QUESNEL" arrived Esquimalt August 10 acting as A/S escort to H.M.S. "WARSPITE". From San Juan "WARSPITE" proceeded to Bremerton.

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(1) C.M.T.B.1 arrived Montreal from Halifax August 10 to be armed.

(li) H.M.C. Ships "WASAGA" and "COWICHAN" departed San Pedro on August 12 en route Halifax from Esquimalt.

(lii) H.M.C.S. "BADDECK" en route Cape Chat from Halifax to rendezvous with, and escort "LADY DRAKE" to St. John's reported on August 12 that her engine had broken down. H.M.C.S. "VISON" was sent to her assistance and ships arrived Gaspe where repairs to "BADDECK" will be effected locally. H.M.C.S. "HAMILTON" was sent from Pictou to replace "BADDECK" as escort to "LADY DRAKE".

(liii) H.M.C.S. "SASKATOON" arrived Quebec August 12th and will escort "LADY RODNEY" to St. John's, Nfld. Leaving Quebec August 15th, 1941.

(liv) H.M.C. Ships "KENOGAMI", "PRESCOTT", and "MOOSE JAW" which will be available at Halifax on August 20th are to sail with convoy HX 146 to Western R/V, thence to St. John's to join Newfoundland Escort Force.

(lv) Ships of Newfoundland Escort Force were engaged in convoy duty between Western R/V and Londland.

(lvi) Ships of the Halifax Force were engaged in convoy local escort duty.

(lvii) Ships of Sydney Force were engaged in convoy local escort duty.

(b) Convoys

On August 5th, the Halifax and Sydney sections of a convoy sailed under the Ocean Escort of H.M.S. "WOLFE". The 71 ships in the convoy comprised 51 British, 9 Norwegian, 6 Dutch, 3 Swedish, 1 Greek, 1 Pol.

The Halifax and Sydney sections of a convoy, comprising 60 ships of which 41 were British, 12 Norwegian, 3 Dutch, 2 Swedish, 1 Pan., 1 Y/S, sailed on August 10th, under the ocean escort of H.M.S. "MALOJA".

The Sydney and Wabana sections of a convoy which sailed on August 10th had no Ocean Escort. The 51 ships comprised 27 British, 8 Norwegian, 10 Greek, 2 Swedish, 1 Pan., 2 Dutch, 1 Polish.

This week we had two independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) M.E.O. One hundred and fifty-one D.E.M.S. inspections were carried out this week in the following ports:-Halifax (79), Montreal (32), Sydney (28), Quebec (5), Saint John (5), Three Rivers (1), Esquimalt (1).

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(b) Information regarding arming etc. has been received regarding the following ships:-

"MARIJA PETRINOVIC"	3" gun mounted	Halifax
"SILJESTAD"	3" " "	"
"RANJA"	3" " "	"
"HIGHO"	3" " "	"
"AMPECTO"	4" " "	"
"NEMANJA"	3" " "	"
"NOVASLIE	3" " "	Montreal
"LAGO"	3" " "	"
"STEAUA ROMANA"	In hand for stiffening & arming	Halifax
"LIMERICK"	Bridge protection completed	Esquimalt
"WAIOTUPA"	Bridge protection completed	"

Advice has been received from the Admiralty that Soviet Merchant Ships wherever they are trading should be given equal facilities with other Allied Ships as regards provision of Defensive Equipment and Degaussing. Contract to be made between the Agent or Master acting on behalf of the Soviet Government and Ship Repairers. Degaussing cables and equipment to be issued to Ships Repairers on a repayment basis. Receipts to be obtained for armament supplies the incidence of cost of which will be promulgated later.

(c) During the week, the degaussing equipment of 148 ships were inspected in Canadian ports. 141 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:-

D.G. Completed	12
D.G. Repairs	4
D.G. Modifications	1
In hand for D.G.	81
In hand for Repairs	9
In hand for Modifications	0

(e) D.T.D. Inspections and trials of new construction building for the R.C.N. have taken place in Montreal, Quebec, Sorel and Toronto.

Details of trials, etc., are -

H.M.C. CORVETTES

"DUNVEGAN"	Endurance Trial successful August 5th; Full Power Trial successful August 6th.
"SOREL"	Acceptance Trial successful August 6th.
"MONCTON"	Launched August 11th.

MINESWEEPERS

"VEGREVILLE"	Launched August 7th.
"NIPIGON"	Balance Acceptance Trial August 11th; commissioned August 12th.

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M.T.B.'s

104, 103 — Trials successful August 7th and 8th respectively; speed slightly over 42 knots.

(f) S.A.T.D. In regard to chemical warfare, a meeting of the Chemical Warfare Inter-Service Board was held, and a list of projects for investigation and their priorities set. It is intended to prepare an index of the various researches, in order that staffs of the Services may be informed of work in hand and priorities.

(g) R.P.L.O. Preliminary tests of sample slabs of plastic armour prepared in the Plastics Laboratory produced unsatisfactory results and allowed almost 100% penetration by a .303 A.P. ball. The second lot of slabs compounded with more suitable components show zero penetration at point-blank range. Efforts are now concentrated on the procurement of suitable components readily available at all locations where the slabs are to be manufactured.

(h) I.C.B. Plans and schedules for all bases are in operation. At Halifax the 20" mesh wire rope net at the western end of the obstruction between Lawlor's Island and the Mainland has been placed, completing the boom defence portion of both obstructions at this point. At Gaspe the A/S net is in operation, signal apparatus connected and necessary alterations made by the contractor to place the net in proper alignment, while the gate vessels are relocated in proper positions. At Prince Rupert the balance of floating equipment to be used in the laying of the A/S net left Vancouver August 7th, while boom defence buildings are 75% complete. Quantities of boom defence stores covering the entire net and mooring trot components are being prepared at the Boom Defence Ottawa Office, to provide material for one year's maintenance. This procedure is being followed in view of the fact that it is becoming increasingly difficult to obtain stores of boom defence gear within a reasonable time after ordering.

(i) S. A/S In regard to the A/S school, latest advice from Admiralty indicates that a destroyer type mobile training unit 11 has been shipped to St. John's, Nfld., and a corvette type M.T.U. 2 will be shipped direct to Halifax A/S school. Plans for the large combined A/S - R.D.F. and Signal School at Halifax are now complete, but the buildings will not be ready before March, 1942.

(j) D.G.O. Approval has been granted to obtain degaussing equipment from the United States under the terms of the Lease Lend Bill; Admiral Barry has been asked to make an initial shipment to Montreal.

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The Wartime Merchant Shipping Limited have been requested to forward plans of the 4700 and 4300 ton merchant vessels building in Canada, in order that degaussing specifications may be drawn up for them.

Instructions are awaited from Admiralty regarding the degaussing range at St. John's, Nfld.

5. STORES — The equipment purchased by the Naval Stores amounted this week to $115,079.00.

CHIEFS OF STAFF COMMITTEE

16th August
1 9 4 1

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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 9.

Ottawa, 23rd August, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 94.

(For week ending 23rd August)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at August 21st, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	305	3,421	3,726
R.C.N.R.	669	3,625	4,294
R.C.N.V.R.	1,790	13,550	15,340
TOTAL	2,764	20,596	23,360

Increase 490

(b) Recruiting Activities from August 14th, 1941, to August 21st, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	83	83
R.C.N.R.	8	36	44
R.C.N.V.R.	9	372	381
TOTAL	17	491	508

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec. 2)		0	1	1
Discharges	(a) Med. Unfit	0	10	10
	(b) Other Reasons	1	6	7
TOTAL		1	17	18

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
344	1,518	1,862

2. CASUALTIES

(a) Robert B. MUGFORD, A.B., F.R. 186 - Drowned while on leave, August 17th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	29	310	339
Other Deaths	3	36	39
TOTAL.	32	346	378
Wounded or Injured . . .	1	63	64
Prisoners of War	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "MOOSE JAW". 14.8.41.

(ii) H.M.C.S. "NANAIMO". 15.8.41.

(iii) H.M.S. "MIMOSA". 15.8.41.

(iv) H.M.S. "HAVELOCK". 15.8.41.

(v) H.M.S. "HARVESTER". 15.8.41.

(vi) H.M.C.S. "COLUMBIA". 15.8.41.

(vii) H.M.S. "ASCANIA". 15.8.41.

(viii) H.M.C.S. "CAMROSE". 16.8.41.

(ix) H.M.S. "HESPERUS". 17.8.41.

(x) H.M.C.S. "HAMILTON". 18.8.41.

(xi) H.M.S. "MONTCLARE", from Iceland. 18.8.41.

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(xii) H.M.S. "LACONIA". 19.8.41.

(xiii) H.M.C.S. "ST. LAURENT". 20.8.41.

(xiv) H.M.C.S. "LETHBRIDGE". 20.8.41.

- Departures -

(xv) H.M.S. "BROADWATER" as part of escort to HX 145. 16.8.41.

(xvi) H.M.S. "CALIFORNIA" as Ocean Escort for HX 145. 16.8.41.

(xvii) H.M.C.S. "TRAIL". 16.8.41.

(xviii) H.M.S. "ASCANIA", for Bermuda. 17.8.41.

(xix) H.M.C.S. "LETHBRIDGE" for Pictou. 17.8.41.

(xx) H.M.S. "CHITRAL" for St. John's, Nfld. 18.8.41.

(xxi) H.M.S. "HESPERUS" on patrol duties. 21.8.41.

- At St. John's -

- Arrivals -

(xxii) H.M.S. "READING". 15.8.41.

(xxiii) H.M.C.S. "ST. CROIX". 17.8.41.

(xxiv) H.M. TUG "PRUDENT", 18.8.41.

(xxv) H.M.C.S. "FENNEL" 19.8.41.

(xxvi) H.M.C.S. "PICTOU", from patrol. 19.8.41.

(xxvii) H.M.C.S. "TRAIL". 19.8.41.

(xxviii) H.M.C.S. "ORILLIA". 20.8.41.

(xxix) H.M.S. "ROMSEY". 20.8.41.

(xxx) H.M.C.S. "SAGUENAY". 20.8.41.

(xxxi) H.M.S. "PRIMROSE". 20.8.41.

- Departures -

(xxxii) H.M.C.S. "HAMILTON". 16.8.41.

(xxxiii) H.M.C.S. "RIMOUSKI". 16.8.41.

(xxxiv) H.M.C.S. "CHAMBLY" on patrol Belle Isle Strait. 17.8.41.

(xxxv) H.M.C.S. "PICTOU". 17.8.41.

(xxxvi) H.M.C.S. "CHILLIWACK". 18.8.41.

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- At Iceland -

- Arrivals -

(xxxvii) H.M.S. "BURNHAM". 17.8.41.

(xxxviii) H.M.C.S. "LEVIS". 17.8.41.

(xxxix) H.M.C.S. "MAYFLOWER". 17.8.41.

(xl) H.M.S. "WOLFE". 17.8.41.

(xli) H.M.C.S. "AGASSIZ". 17.8.41.

- Departures -

(xlii) H.M.S. "CHESTERFIELD", on escort duties. 15.8.41.

(xliii) H.M.C.S. "HEPATICA", on escort duties. 15.8.41.

. . . . . .

(xliv) H.M.S. "REVENGE" arrived Bermuda. 16.8.41.

(xlv) H.M.S. "BROADWATER" arrived Sydney 18.8.41. and sailed same day with HX 145.

(xlvi) H.M.S. "MENETHEUS" arrived Baltimore for refit. 20.8.41.

(xlvii) H.M.C. Ships "WASAGA" and "COWICHAN" departed Manzanillo on August 19th en route Halifax from Esquimalt.

(xlviii) H.M.C.S. "BADDECK" sailed Gaspe August 17th to rendezvous with "LADY DRAKE" at Cape Chat August 18th and escort her to Quebec. Ships arrived Quebec August 19th.

(xlix) H.M.C.S. "PRINCE DAVID" escorting "DOMINION MONARCH", arrived Halifax August 16th from Curacao.

(l) H.M.C.S. "SASKATOON" arrived Bermuda August 20th escorting "LADY RODNEY" en route Kingston, Jamaica from Quebec.

(li) H.M.C.S. "PRINCE ROBERT" reported investigation of presence of damaged German Raider at Easter Island was negative. She is now proceeding to Esquimalt.

(lii) H.M.C.S. "PRINCE HENRY" arrived Esquimalt August 19th, from patrolling West Coast. She is to be sailed for Bermuda as convenient after arrival of "PRINCE ROBERT" at Esquimalt and placed at the disposal of C. in C. & W. I.

(liii) H.M.C.S. "NIPIGON" arrived Montreal August 18th, from Toronto. The Commanding Officers of H.M.C. Ships "GEORGIAN" and "THUNDER" took passage in the "NIPIGON" to gain experience.

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(b) Convoys

On August 16th, the Halifax, Sydney and Wabana sections of a convoy sailed under the Ocean Escort of H.M.S. "CALIFORNIA". The 83 ships in the convoy comprised, 64 British, 11 Norwegian, 6 Dutch, 1 Greek, 1 Belgian.

Note: Reference to August 7th Report, 3rd convoy--Sydney and Wabana. Total should read 48 ships. Sub-totals should read: 27 British, 7 Norwegian, 8 Greek, 2 Swedish, 2 Dutch, 1 Polish, 1 Panamanian.

This week there were five independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) M.E.O. Two hundred and twenty-nine D.E.M.S. inspections were carried out this week in the following ports:- Halifax (169), Sydney (30), Montreal (18), Saint John (5), Quebec (4), Three Rivers (3).

(b) Information regarding arming etc. has been received regarding the following ships:-

"STEAUA ROMANA"	3" gun mounted	Halifax
"LYNHAUG"	3" " "	"
"BLINK"	3" " "	"
"NORSE LADY"	In hand mounting 3" gun	"
"IVAN TOPIC"	In hand mounting 3" gun	"
"BRALANTA"	In hand mounting 4" gun	"
"ASKILD"	3" gun dismounted- Ship on local coastal trade	Sydney
"HAVORN"	4" gun dismounted- Ship on local coastal trade	Halifax
"BIAFRA"	H.A. & L.A. gun dismounted - Hull & engine repairs in U.S.A. port	"

(c) During the week, the degaussing equipment of 226 ships was inspected in Canadian ports. 210 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed	13
D.G. Repairs	4
D.G. Modifications	0
In hand for D.G.	91
In hand for Repairs	9
In hand for Modifications	0

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(e) D.T.D. Inspections and trials of new construction building for the R.C.N. have taken place in Montreal, Toronto, Port Arthur, Quebec and Sorel.

Details of trials, etc., are as follows:- H.M.C. Corvettes "SUMMERSIDE" (endurance, Steering and Astern Trials successful August 15th; "SOREL" (Acceptance Trial successful August 17th) MINESWEEPERS: "MALPEQUE" (Acceptance Trial successful August 16th).

(f) S.T.T.D. In regard to Magnetic Minesweeping, three ships have been detailed for equipment as skid towing vessels; of these "ROSS NORMAN" is also being fitted up as a deperming ship for Halifax; the hull of "STANDARD COASTER" has been found to be in such poor condition that it has been recommended that it be diverted to less strenuous service; "REO 11" is being equipped with the idea of transfer to St. John's, Nfld. for skid towing and general transport duties.

(g) R.L.O. In research work plastic armour test slabs made up from rocks available within a radius of 80 miles of Ottawa have been tested for penetration by .303 A.P. ball at point-blank range. The Department of Mines and Resources are collaborating in the procurement of representative samples from Halifax and Esquimalt districts; results achieved so far indicate that suitable rocks for the purpose will be easily obtainable throughout Canada.

(h) I.O.B. Plans and schedules for Boom Defence work proceed according to schedule. At Shelburne, N.S. construction of anti-submarine nets has commenced. Two gate vessels H.M.C. "LOOS" and "ST. ELOI" have been sent from Halifax for this port. At Prince Rupert, B.C. one gate vessel mooring is now in place.

(i) S. A/S In regard to anti-submarine work, provision has now been made for sufficient E/S spares to stock Halifax and Esquimalt dockyards for one year. A/S fitted Corvettes now number 39.

(j) D.G.O. Negotiations for the sale of 20,000 feet of Pattern 660 D.G. cable to the U.S. Navy are under way. A shortage of this cable for merchant ships exists in Montreal, and information is given that the Canadian General Electric have such large orders for cable from the B.A.T.M. that they are unable to supply any cable for Canadian requirements.

An F.E. for $40,000 for the Sydney D.G. Range has been raised.

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(k) R.D.F.O. The first ship in the R.C.N. to be fitted with Canadian R.D.F. is now complete, H.M.C.S. "BADDECK". Progress is being made on "RIMOUSKI", "SPIKENARD" and "SHERBROOKE".

5. STORES The equipment purchased by the Naval Stores amounted this week to $221,612.00.

CHIEFS OF STAFF COMMITTEE

23rd August,
1941

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S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 30th August, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 95.

(For week ending 30th August)

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N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at August 28th, 1941;-

	Officers	Ratings	TOTAL
R.C.N.	308	3,427	3,735
R.C.N.R.	674	3,673	4,347
R.C.N.V.R.	1,806	14,153	15,959
TOTAL	2,788	21,253	24,041

Increase 681

(b) Recruiting Activities from August 21st, 1941, to August 28th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	3	5	8
R.C.N.R.	5	53	58
R.C.N.V.R.	16	616	632
TOTAL	24	674	698

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec. 2)		0	1	1
Discharges	(a) Med. Unfit	0	11	11
	(b) Other Reasons	0	5	5
TOTAL		0	17	17

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
332	1,142	1,474

2. CASUALTIES

(a) John M. MacLEAN, Stoker I, A.3017, - Drowned August 24th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	29	310	339
Other Deaths.	3	37	40
TOTAL.	32	347	379
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "AMHERST" from Saint John, N.B. 22.8.41.

(ii) H.M.C.S. "ALGOMA". 23.8.41.

(iii) H.M.C.S. "BRANDON". 23.8.41.

(iv) H.M.S. "RICHMOND" from Boston. 23.8.41.

(v) H.M.S. "AUSONIA". 26.8.41.

- Departures -

(vi) H.M.C.S. "PRESCOTT" for St. John's, Nfld. on escort duties. 21.8.41.

(vii) H.M.S. "NASTURTIUM" for Charleston for refit. 23.8.41.

(viii) H.M.C.S. "CARLOSE". for Pictou. 24.8.41.

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(ix) H.M.C.S. "HAMILTON". for Pictou. 24.8.41.

(x) H.M.C.S. "ANNAPOLIS" on escort duties. 25.8.41.

(xi) H.M.S. "HARVESTER" for St. John's, Nfld. 25.8.41.

(xii) H.M.S. "RICHMOND" on escort duties. 25.8.41.

(xiii) H.M.C.S. "ST. LAURENT" on escort duties. 25.8.41.

(xiv) H.M.S. "MIMOSA" for Pictou. 26.8.41.

(xv) H.M.C.S. "COLUMBIA" for Pictou. 26.8.41.

(xvi) H.M.C.S. "AMHERST" for Pictou. 27.8.41.

(xvii) H.M.C.S. "BRANDON" for Pictou. 27.8.41.

- At St. John's-

- Arrivals-

(xviii) H.M.C.S. "CHAMBLY". 21.8.41.

(xix) H.M.S. "CHESTERFIELD". 24.8.41.

(xx) H.M.C.S. "KENOGAMI". 24.8.41.

(xxi) H.M.C.S. "MOOSE JAW". 25.8.41.

(xxii) H.M.C.S. "HEPATICA". 25.8.41.

(xxiii) H.M.S. "RIPLEY". 25.8.41.

(xxiv) H.M.S. "HAVELOCK". 26.8.41.

- Departures -

(xxv) H.M.S. "NASTURTIUM" for Halifax. 21.8.41.

(xxvi) H.M.S. "PRIMROSE" for Charleston for refit. 22.8.41.

(xxvii) H.M.C.S. "RESTIGOUCHE" for Halifax. 25.8.41.

(xxviii) H.M.C.S. "WINDFLOWER" for Halifax. 26.8.41.

(xxix) H.M.C.S. "TRILLIUM" for Halifax. 26.8.41.

(xxx) H.M.S. "HAVELOCK" on escort duties. 26.8.41.

(xxxi) H.M.S. "RIPLEY" on escort duties. 26.8.41.

(xxxii) H.M.C.S. "SAGUENAY". 26.8.41.

(xxxiii) H.M.C.S. "ST. CROIX". 26.8.41.

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(xxxiv) H.M.C.S. "NIAGARA" arrived Iceland. 20.8.41.

(xxxv) H.M.C.S. "LYNX" arrived Gaspe. 22.8.41.

(xxxvi) H.M.Ships "MALOJA", "BURWELL", "CELANDINE" and H.M.C.Ship "HONEYSUCKLE", arrived Iceland 23.8.41.

(xxxvii) H.M.C.S. "REINDEER" sailed Gaspe. 23.8.41.

(xxxviii) H.M.S. "RANPURA" arrived Sydney. 23.8.41.

(xxxix) H.M.C.S. "RACCOON" sailed from Dalhousie on August 25th and arrived Gaspe 25.8.41.

(xl) H.M.C.Ships "WASAGA" and "COWICHAN" sailed Balboa for East Coast 26.8.41.

(xli) H.M.C.S. "SPIKENARD" arrived Iceland from escort duties. 27.8.41.

(xlii) H.M.Ships "CALIFORNIA" and "BROADWATER" and H.M.C.S. "CHILLIWACK" arrived Iceland. 27.8.41.

(xliii) H.M.C.S. "DAUPHIN" departed Sydney August 22 to Rendezvous and escort "LADY DRAKE" to St. John's, arrived St. John's 25th August, departed St. John's August 25th and is due Quebec August 28th.

(xliv) H.M.C.S. "BADDECK" arrived Quebec August 19 with engine broken down. Repairs to be completed August 29th.

(xlv) H.M.C.S. "PRINCE DAVID" departed Halifax August 24th to Rendezvous with H.M.S. "CIRCASSIA" on August 29th with the object of intercepting enemy raider and supply ships. On August 27th she reported an unknown enemy ship and appropriate action was taken.

(xlvi) H.M.C.S. "PRINCE HENRY" departed Esquimalt August 24th to establish patrol off Galapagos Island.

(xlvii) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt August 25th from Talara where she had refueled after investigating reported presence of damaged German Raider at Easter Isles.

(xlviii) H.M.C.S. "SASKATOON" grounded off Bermuda 21st August escorting "Lady Rodney" to Kingston, Jamaica, but was refloated same day. Only apparent damage was A/S Dome broken off and Oscillator Shaft bent. She proceeded on August 22 and arrived Kingston, Jamaica August 26th.

(b) Convoys

The Halifax and Sydney sections of a convoy sailed on August 21st under the Ocean Escort of H.M.S. "WORCESTERSHIRE". The 63 ships in the convoy comprised 43 British, 8 Norwegian, 6 Dutch, 3 Swedish, 2 Panamanian, 1 Belgian.

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H.M.C.Ships "MOOSE JAW", "KENOGAMI", "PRESCOTT", and "COBALT" and H.M.Ships "BROADWATER", "POLYANTHUS" and "BROADWAY" acted as escorts.

On August 24th a convoy comprising 61 ships of which 33 were British, 16 Norwegian, 3 Dutch, 6 Greek, 2 Swedish, 1 Yugoslavian sailed from Sydney under the Ocean Escort of H.M.S. "RANPURA". The local escorts were H.M.C.Ships "MATAPEDIA", "ARVIDA", "CHICOUTIMI" "PICTOU", "ST. CROIX", "GALT", "NANAIMO" and "BUCTOUCHE".

Note Convoy HX 145 which sailed from Halifax under the ocean Escort of H.M.S. "CALIFORNIA" on August 16th, was locally escorted by H.M.C.Ships "SPIKENARD", "RIMOUSKI", "MATAPEDIA", and "ARVIDA" and H.M.S. "BROADWATER".

During the week there were 6 independent trans-ocean sailings, 4 from the Atlantic Coast and 2 from the Pacific Coast.

4. WORKS

(a) M.E.O.

The following are the only D.E.M.S. Inspections reported this week:- Montreal (16), Esquimalt (5), Quebec (2), Halifax (1).

(b) Information regarding arming etc. has been received regarding the following ships:-

"NORSE LADY"	3" gun mounted	Halifax
"IVAN TOPIC"	3" " "	"
"BRALANTA"	4" " "	"
"SLEMMESTAD"	In hand arming	"
"VILLANGER"	" " "	Esquimalt

Admiralty asked if the D.E.M.S. Organization in Canada could supervise the fitting of Defensive Equipment in twenty-six Merchant Ships to be built in Canadian Yards to U.K. Government account and a reply was given in the affirmative.

(c) The degaussing equipment of 24 ships was inspected this week in Canadian Ports; 23 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed.	18
D.G. Repairs	3
D.G. Modifications.	0
In hand for D.G.	87
In hand for Repairs	8
In hand for Modifications	0

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(e) D.T.D. Inspections and trials of new construction building for the R.C.N. have taken place in Port Arthur; Toronto; Collingwood; Montreal; Sorel; and Quebec.

Details of trials, etc., are as follows:-

H.M.C. CORVETTES

"AMHERST"	Commissioned 5.8.41.
"MORDEN"	Endurance and Full Power Trials 22.8.41
"CALGARY"	Launched 23.8.41.

H.M.C. MINESWEEPERS

"ESQUIMALT"	Launched 23.8.41.
"GRANDMERE"	Launched 21.8.41.
"CLAYOQUOT"	Acceptance Trial & commissioning 22.8.41.
"QUINTE"	Progress, Anchor Turning, Steering, Armament & Astern trials 21.8.41, Full Power trial 22.8.41.
"BURLINGTON"	F.P. Trial 25.8.41.

(f) S.T.T.D. Drawings for installation of "LL" gear on Bangor Minesweepers have been revised, as a result of S.T.T.D's visit to Montreal, and new prints issued.

(g) R.L.O. R.L.O. visited 2 Toronto firms to determine whether the adaptability of pulp wood deposition methods used in the production of egg packing crates and army sun helmets could be adapted for Carley Floats, Kisbie Lifebuoys, life raft floats, buoyant packing and heat insulation. The estimated cost of a product of the Dominion Corrugated Paper Company appears to be in the neighbourhood of $0.50 per cubic foot as contrasted with the $6.00 plus of the low strength Navy Board used for heat insulation in M.T.B. construction.

During the M.T.B. Torpedo Tube Trials at Canadian Power Boat Company, a S.R.E.D. member was present to take measurements of torpedo velocities.

The first lot of 6 demonstration incendiary bombs constructed by the metallurgical staff are ready for shipment to Halifax. Operating instructions have been prepared and extra fuses included to allow for faulty operation.

(h) I.O.B. Operations proceed smoothly at all bases. At Shelburne work on slab, buildings and launching ramp has been completed. Work on the weaving of nets has been started and the laying of Gate Vessel Moorings is being proceeded with. Ay Sydney, N.S. a B.D. Officer is materially reducing the amount of overtime that has been too

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prevalent at this base. Baffles numbers 1, 2, and 3 have been successfully completed, while moorings for gate vessels are now in place at Prince Rupert and work is proceeding on the trots.

(i) S. A/S — The M/S "COWICHAN", "MALPEQUE", "WASAGA", "MINAS" and "NIPIGON" now have a complete type 128 set installed.

(k) R.D.F.O. — Two officers of the R.D.F. Branch are investigating (a) facilities in shipyards for fitting R.D.F. gear in these yards; (b) facilities for supplying rugged R.D.F. equipment.

H.M.C.S. "SPIKENARD" has complete gear with exception of motor-generator, small sprocket wheel and bearing indicator. "SHERBROOKE" is completed also, excepting motor-generator, bearing indicator, and trombone assembly. "RIMOUSKI" is complete with the exception of bearing indicator and final tuning up, but sailed before completion.

In a recent report from the Signal School it was pointed out that ships' compasses are adversely affected by the proximity of the chain drive and rotating mechanism of the R.D.F. gear. This indicates the desirability of installing the rotating mechanism where possible, while ships are under construction and before adjustment of the compasses.

5. STORES — The equipment purchased by the Naval Stores amounted this week to $155,723.00.

CHIEFS OF STAFF COMMITTEE

30th August,
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 6th September, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 96.

(For week ending 6th September)

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NAVAL SERVICES

I PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at September 4th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	311	3,430	3,741
R.C.N.R.	677	3,672	4,349
R.C.N.V.R.	1,930	14,549	16,479
TOTAL	2,918	21,651	24,569

Increase - 528

(b) Recruiting Activities from August 28th, 1941 to September 4th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	3	4	7
R.C.N.R.	4	4	8
R.C.N.V.R.	129	415	544
TOTAL	136	423	559

(c) Deductions from strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	0	1
Discharges (a) Med. Unfit	0	11	11
(b) Other Reasons	5	14	19
TOTAL	6	25	31

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	3	3
T OTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
224	1,142	1,366

2. CASUALTIES

(a) C.A. KEEFER, Lieutenant, R.C.N.V.R. - Killed attempting rescue August 26th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	30	310	340
Other Deaths.	3	37	40
TOTAL	33	347	380
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.S. "RANPURA". 29.8.41.

(ii) H.M.S. "WOLFE". 29.8.41.

(iii) H.M.C.S. "ANNAPOLIS" . 29.8.41.

(iv) H.M.C.S. "AMHERST" from Pictou. 30.8.41.

(v) H.M.C.S. "BRANDON" from Pictou. 30.8.41.

(vi) H.M.C.S. "SOREL" from Quebec. 30.8.41.

(vii) H.M.S. "ASCANIA" from Bermuda. 3.9.41.

(viii) H.M.C.S. "HAMILTON" from Pictou. 4.9.41.

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- Departures -

(ix) Convoy HX 147 which sailed from Halifax on August 29th under the Ocean Escort of H.M.S. "LACONIA" was locally escorted by H.M.C. Ships "COLUMBIA" and "WETASKIWIN" and by H.M. Ships "GLADIOLUS" and "MIMOSA".

(x) H.M.C. Ships "SKEENA", "ALBERNI", "KENOGAMI" and "ORILLIA" escorting S.C. 42. 30.8.41.

(xi) H.M.C.S. "HAMILTON" for Pictou. 31.8.41.

(xii) H.M.C.S. "ANNAPOLIS" for Pictou. 31.8.41.

(xiii) H.M.S. "MONTCLARE" for Bermuda. 2.9.41.

(xiv) H.M.C.S. "KAMLOOPS" for Pictou. 2.9.41.

(xv) H.M.C.S. "SOREL" for Pictou. 3.8.41.

(xvi) H.M.C.S. "AMHERST" for Pictou. 3.8.41.

- At Iceland -

- Arrivals -

(xvii) H.M.S. "BROADWAY" from escort duties. 2.9.41.

(xviii) H.M.C.S. "COLBALT". 2.9.41.

(xix) H.M.S. "POLYANTHUS" from escort duties. 2.9.41.

(xx) H.M.C.S. "TRAIL". 2.9.41.

- Departures -

(xxi) H.M.C.S. "HONEYSUCKLE" on escort duties. 31.8.41.

(xxii) H.M.S. "DIANTHUS" on escort duties. 31.8.41.

(xxiii) H.M.C.S. "SNOWBERRY" on escort duties. 31.8.41.

(xxiv) H.M.C.S. "CHILLIWACK" on escort duties. 2.9.41

(xxv) H.M.S. "TALOJA" on escort duties. 3.9.41.

(xxvi) H.M.S. "CALIFORNIA" on escort duties. 3.9.41.

(xxvii) H.M.S. "BURWELL" on escort duties. 3.9.41.

(xxviii) H.M.C.S. "TRAIL". 3.9.41.

- At St. John's -

- Departures -

(xxix) H.M.S. "ROMSEY". 30.8.41.

(xxx) H.M.C.S. "ALBERNI", on escort duties. 1.9.41.

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- Departures -

(ix) Convoy HX 147 which sailed from Halifax on August 29th under the Ocean Escort of H.M.S. "LACONIA" was locally escorted by H.M.C. Ships "COLUMBIA" and "WETASKIWIN" and by H.M. Ships "GLADIOLUS" and "MIMOSA".

(x) H.M.C. Ships "SKEENA", "ALBERNI", "KENOGAMI" and "ORILLIA" escorting S.C. 42. 30.8.41.

(xi) H.M.C.S. "HAMILTON" for Pictou. 31.8.41.

(xii) H.M.C.S. "ANNAPOLIS" for Pictou. 31.8.41.

(xiii) H.M.S. "MONTCLARE" for Bermuda. 2.9.41.

(xiv) H.M.C.S. "KAMLOOPS" for Pictou. 2.9.41.

(xv) H.M.C.S. "SOREL" for Pictou. 3.8.41.

(xvi) H.M.C.S. "AMHERST" for Pictou. 3.8.41.

- At Iceland -

- Arrivals -

(xvii) H.M.S. "BROADWAY" from escort duties. 2.9.41.

(xviii) H.M.C.S. "COLBALT". 2.9.41.

(xix) H.M.S. "POLYANTHUS" from escort duties. 2.9.41.

(xx) H.M.C.S. "TRAIL". 2.9.41.

- Departures -

(xxi) H.M.C.S. "HONEYSUCKLE" on escort duties. 31.8.41.

(xxii) H.M.S. "DIANTHUS" on escort duties. 31.8.41.

(xxiii) H.M.C.S. "SNOWBERRY" on escort duties. 31.8.41.

(xxiv) H.M.C.S. "CHILLIWACK" on escort duties. 2.9.41

(xxv) H.M.S. "MALOJA" on escort duties. 3.9.41.

(xxvi) H.M.S. "CALIFORNIA" on escort duties. 3.9.41.

(xxvii) H.M.S. "BURWELL" on escort duties. 3.9.41.

(xxviii) H.M.C.S. "TRAIL". 3.9.41.

- At St. John's -

- Departures -

(xxix) H.M.S. "ROMSEY". 30.8.41.

(xxx) H.M.C.S. "ALBERNI", on escort duties. 1.9.41.

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(xxxi) H.M.C.S. "KITKOGAN I" on escort duties. 1.9.41.

(xxxii) H.M.C.S. "PRESCOTT" for Sydney. 1.9.41.

(xxxiii) H.M.C.S. "SKEENA" on escort duties. 1.9.41.

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(xxxiv) H.M.C.S. "DAUPHIN" arrived Sydney 29.8.41.

(xxxv) H.M.C. Ships "COWICHAN" and "WASAGA" en route to Halifax from Esquimalt, sailed from Kingston, Jamaica. 2.9.41.

(xxxvi) H.M.C.S. "MORDEN" sailed from Port Arthur for Quebec on August 30th. She was reported to have sailed from Sarnia September 1st.

(xxxvii) H.M.C.S. "LYNX" arrived Gaspe. 30.8.41.

(xxxviii) H.M.C.S. "REINDEER" sailed on patrol from Gaspe. 30.8.41.

(xxxix) H.M.C.S. "BADDECK" sailed from Quebec for KINGSTON, Jamaica escorting "LADY DRAKE". 2.9.41.

(l) H.M.C.S. "NIPIGON" sailed from Montreal August 27th, was reported to have sailed from Quebec September 2nd and is expected in Halifax on September 5th.

(li) H.M.C. Ships "ALGOMA" and "BRANDON" will sail with convoy shortly to Western R/V thence to St. John's will be used temporarily for Belle Isle patrol duty.

(lii) H.M.C. Ships "SAGUENAY", "ST. LAURENT", "ASSINIBOINE" arrived U.K. September 1st, escorting convoy from Canada.

(liii) H.M.C. Ships "ARIVDA", "BARRIE", "DAUPHIN" to proceed to U.K. for Tobermory Training. Will act as escort to convoy leaving Sydney shortly.

(liv) H.M.C. Ships "LETHBRIDGE", "SHEDIAC", "SHERBROOKE", will sail with convoy leaving Halifax shortly to WesternR/V thence returning to Sydney to join Sydney force.

(lv) H.M.C.S. "PRESCOTT" boarded French auxiliary fishing schooner "ANGELUS" while patrolling Grand Banks. Sent ship to Sydney, with prize crew.

(lvi) H.M.C.S. "PRINCE DAVID" arrived Bermuda September 3rd from patrol, with "ST. MARGARET" in tow.

(lvii) H.M.C.S. "PRINCE HENRY" departed Esquimalt August 24th to join "DESPATCH" in patrol of Galapagos Island area.

(lviii) H.M.C.S. "PRINCE ROBERT" will be on patrol West Coast British Columbia for next three weeks.

(lix) H.M.C.S. "SASKATOON" escorting "LADY RODNEY" from Kingston, Ja. to Bermuda. Departed Nassau September 2.

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(b) Convoys

A convoy comprising 64 ships of which 47 were British, 9 Norwegian, 7 Dutch, and 1 Belgian, sailed from Halifax on August 29th, under the Ocean Escort of H.M.S. "LACONIA".

The Sydney and Wabana sections of a convoy sailed on August 30th. There was no Ocean Escort. The 67 ships in the convoy comprised 42 British, 11 Norwegian, 5 Greek, 4 Dutch, 3 Swedish, 2 Polish.

This week there were two independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) M.E.O.

One hundred and seventy-five D.E.M.S. Inspections were carried out this week in the following ports: Halifax (119), Sydney (28), Montreal (19), St. John, N.B. (4), Quebec (3), Esquimalt (2).

(b) Information regarding arming etc. has been received regarding the following ships:-

"THORSHAVER"	4" gun mounted	Halifax
"SLEMESTAD"	3" " "	"
"GUNVOR MAERSK"	3" " "	Sydney
"ADA"	In hand arming	Halifax
"BJERKA"	" " "	"
"GLITTRE"	" " "	"
"BERURY"	" " "	"
"HERBRAND"	" " "	"
"GEFION"	" " "	"
"FEDERIKO GLAVIC"	" " "	Sydney

(c) The degaussing equipment of 171 ships was inspected this week in Canadian Ports; 159 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport New York reported the following in hand at U.S. Ports:

D.G. Completed	22
D.G. Repairs	3
D.G. Modifications	0
In hand for D.G.	81
In hand for Repairs	11
In hand for Modifications	1

(e) D.T.D.

Inspections and trials of new construction building for the R.C.N. have taken place in Port Arthur; Toronto; Sorel; Quebec; both D.T.D. and A/D.T.D. being on inspection as well as the other members of the staff.

Details of trials, etc., are as follows:

H.M.C. CORVETTES

"VANCOUVER"	Launched 26.8.41.
"SHAWINIGAN"	Dock trial 31.8.41.
"DRUMHELLER"	Endurance & Full Power Trials 30.8.41.
"FREDERICTON"	Launched 2.9.41.

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H.M.C. M/S

"UNGAVA" Progress, Turning, Steering, Armament, Astern, Anchor-Trials 26.8.41. Full Power Trial 27.8.41.

"QUINTE" Accepted and Commissioned 30.8.41.

"CLAYOQUOT" Armament Trial 2.9.41.

FAIRMILES

"HULL 137" Launched 28.8.41.

(f) S.T.T.D. Difficulty is being experienced in having acoustic M/S gear shipped to points for installation.

(g) R.L.O. Experimental work has begun to discover means of reducing weight and bulk of the plastic armour slab now in use on merchantmen, so that application may be made to Corvettes, Destroyers, etc., where top weight has large influence on stability.

(h) I.O.B.

Operations proceed according to schedule. At Halifax the refit on "FOUNDATION JUPITER" is not yet completed, but with the assistance of the Naval Tug she is carrying out all work required on the Net; at Shelburne the diesel work boat "WORKBOY" was taken over and commissioned August 18th.

(i) S. A/S

A Mass Procedure Teacher A/S 47 has been received on the West Coast. In the near future S.D. ratings will receive instruction at this school, alleviating the work at the A/S school Halifax.

The E/S set MS X11c allocated for the A/S school at Halifax has now been completely installed and is operating satisfactorily.

A/S fitted Corvettes number 40, fitted with Type 123A, while 6 M/S are now fitted with Type 128 A/S Set.

(j) R.D.F.O.

R.D.F.O. visited Gaspe Headquarters on August 22nd and with the assistance of NOIC's staff located a suitable site for an N.W. - R.D.F.; a suitable location at St. John, N.B. was also found at a point N. Latitude 45° 1o' 56", W. Longitude 66° 8' 45", which is approximately 1/4 mile north of Negro Head, for the same purpose.

R.D.F.O. and the C.O. H.M.S. "CHITRAL" conferred regarding the fitting of the ship with Canadian R.D.F. Admiralty was informed that a Canadian R.D.F. set would be fitted.

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The R.D.F. Confidential Booklets referred to in earlier reports have now been released and are being distributed by N.D.A. - C.B. Can. 64109,0419A.

R.D.F.O. visited the Davie Shipyards in Lauzon, P.Q. in company with Lt-Commander Annandale (Naval Overseer) to look into the physical arrangement of the diesel minesweepers with reference to the installation of the R.D.F. rotator mechanisms.

Mr. Jamieson, W.O. (S.B.) visited Collingwood Shipyards to look into the possibility of fitting 3 Corvettes now being built; additionally, the question of fitting the 2 Corvettes at Midland was investigated at the same time. Arrangements will be made to install external gear and motor generators in the Corvettes at Midland and Collingwood, but not in Port Arthur.

Installation of R.D.F. on H.M.C.S. "SHERBROOKE" has been completed by making use of a temporary vibrator power-pack A.C. supply in lieu of the motor generator.

(5) STORES

The equipment purchased by the Naval Stores amounted this week to $482,291.00.

CHIEFS OF STAFF COMMITTEE

6th September,
1 9 4 1

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S E C R E T

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

C179228

HQ.S. 5199-U, Vol. 9.

Ottawa, 13th September, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 97.

(For week ending 13th September)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at September 11th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	342	3,429	3,771
R.C.N.R.	690	3,743	4,433
R.C.N.V.R.	1,988	14,825	16,813
TOTAL	3,020	21,997	25,017

Increase - 448

(b) Recruiting Activities from September 4th, 1941 to September 11th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	32	2	34
R.C.N.R.	12	80	92
R.C.N.V.R.	61	316	377
TOTAL	105	398	503

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec. 2)		1	1	2
Discharges	(a) Med. Unfit	0	16	16
	(b) Other Reasons	2	35	37
TOTAL		3	52	55

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(d) Transfers between Services:-

	Officers	Ratings	Total
To R.C.N. from R.C.N.R.	0	0	0
TO R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	1	3	4
TOTAL	1	4	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	Total
185	1,246	1,431

2. CASUALTIES

(a) R.H. OLAND, Captain, R.C.N. - Died September 6th, 1941.

(b) Archibald N.M. MENZIES, A.B., A.490 - Died of cerebral concussion, August 14th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	Total
Killed on Active Service	30	310	340
Other Deaths.	4	38	42
TOTAL.	34	348	382
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "ANNAPOLIS" from Pictou. 4.9.41.

(ii) H.M.C.S. "MIDIGON" from Quebec. 5.9.41.

(iii) H.M.C.S. "AMHERST". 6.9.41.

(iv) H.M.C.S. "KAMLOOPS", is being used for special experiments. 6.9.41.

(v) H.M.C.S. "SOREL". 6.9.41.

(vi) H.M.S. "CIRCASSIA". 7.9.41.

(vii) H.M.S. "AUSONIA" from Sydney escorting S.C. 43. 10.9.41.

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(viii) H.M.C.S. "REINDEER" from Gaspe. 10.9.41.

-Departures-

(ix) H.M.S. "ALAUNIA" escorting HX 148. 4.9.41.

(x) H.M.S. "WOLFE". 9.9.41.

(xi) H.M.S. "ASCANIA" and H.M.C. Ships "ANNAPOLIS", "HAMILTON" acting as Ocean Escort to HX 149. 10.9.41.

- At Sydney -

- Arrivals -

(xii) H.M.C.S. "SHEDIAC". 8.9.41.

(xiii) H.M.C.S. "SHERBROOKE". 8.9.41.

(xiv) H.M.C.S. "LETHBRIDGE". 9.9.41.

(xv) H.M.S. "WOLFE". 10.9.41.

- Departures -

(xvi) H.M.S. "READING" and H.M.C. Ships "ARVIDA", "DAUPHIN", "BARRIE" and "HEPATICA" acting as escort to S.C. 43. 6.9.41.

-At St. John's-

-Arrivals-

(xvii) H.M.S. "PRUDENT". 7.9.41.

(xviii) H.M.S. "TRUANT", from refit. 9.9.41.

(xix) H.M.C.S. "NIAGARA". 9.9.41.

- Departures -

(xx) H.M.C.S. "CHAMBLY" on escort duties. 5.9.41.

(xxi) H.M.S. "CANDYTUFT" on escort duties. 6.9.41.

(xxii) H.M.C.S. "FENNEL" on escort duties. 6.9.41.

(xxiii) H.M.C.S. "HEPATICA" on escort duties. 6.9.41.

(xxiv) H.M.S. "READING" on escort duties. 7.9.41.

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(xxv) H.M.C.S. "ARROWHEAD" on escort duties. 9.9.41.

(xxvi) H.M.C.S. "GALT" on escort duties. 9.9.41.

(xxvi) H.M.C.S. "NIAGARA". 10.9.41.

- At Iceland -

- Arrivals -

(xxviii) H.M.S. "MIMOSA". 8.9.41.

(xxix) H.M.C.S. "COLUMBIA". 8.9.41.

(xxx) H.M.S. "GLADIOLUS". 9.9.41.

- Departures -

(xxxi) H.M.C.S. "COBALT". 7.9.41.

(xxxii) H.M.S. "POLYANTHUS". 7.9.41.

(xxxiii) H.M.C.S. "BUCTOUCHE". 9.9.41.

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(xxxiv) H.M.C.S. "HAMILTON" arrived Pictou 4.9.41., sailed on escort duties. 10.9.41.

(xxxv) H.M.C.S. "LYNX" arrived Gaspe 8.9.41., sailed on patrol 10.9.41.

(xxxvi) H.M.S. "ORION" arrived San Francisco for refit. 5.9.41.

(xxxvii) H.M.C.S. "RACCOON" sailed Gaspe on patrol. 8.9.41.

(xxxviii) H.M.C. Ships "ALGOMA", "BRANDON", to be detailed temporarily to Belle Isle patrol duties. To commence approximately September 16th.

(xxxix) H.M.C.S. "PRESCOTT" while on patrol off Grand Banks on August 31st, boarded French auxiliary fishing schooner "ANGELUS" and sent ship to Sydney with prize crew. Up to September 8th, "ANGELUS" had not arrived at Sydney. H.M.C.S. "ARROWHEAD" was sent out to search.

(xl) H.M.C.Ships "ASSINIBOINE", "ST. LAURENT", "SAGUENAY" escorting "PASTEUR" to Halifax Departed U.K. September 8th.

(xli) H.M.C.S. "BADDECK" escorting "LADY DRAKE" from Quebec to Kingston, Jamaica, experienced engine trouble and parted company September 6th. She was last heard by "LADY DRAKE" calling Norfolk, Va. late that night. Her arrival at Kingston was reported on September 10th.

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(xlii) H.M.C.S. "BITTERSWEET" escorting a convoy to U.K. Went to the assistance of H.M.S. "CANDYTUFT" whose after boiler blew up on September 10th. H.M.C.S. "NIAGARA" was also sent to her assistance from St. John's.

(xliii) H.M.C. Ships "MOOSE JAW", "CHAMBLY" departed Halifax September 5th, on a training cruise. "MOOSEJAW" to be detached on westward passage to join a U.K. bound convoy. "CHAMBLY" to patrol Belle Isle Sts. on her way back from cruise.

(xliv) H.M.C. Ships "WASAGA" and "COWICHAN" arrived Halifax from Bermuda on September 10th after passage from Pacific Coast.

(xlv) H.M.C.S. "MORDEN" departed Montreal September 9th for Quebec.

(xlvi) H.M.C.S. "PICTOU" to be sailed from St. John's to rendezvous with "CHAMBLY" and continue in company.

(xlvii) H.M.C.S. "PRINCE DAVID" departed Bermuda September 10th to rendezvous with and act as escort for "DURBAN CASTLE".

(xlviii) H.M.C.S. "PRINCE HENRY" arrived Talara September 6th, from patrolling Galapagos Islands. To proceed to transit Panama Canal on September 11, thence to Kingston, Jamaica.

(xlix) H.M.C.S. "PRINCE ROBERT" was recalled September 5th, from patrolling West coast British Columbia and taken in hand for annual refit. She is expected to complete October 7th.

(l) H.M.C.S. "SASKATOON" arrived Quebec September 9th from Bermuda escorting "LADY RODNEY". Was taken in hand for minor defects.

(li) Convoy S.C. 42 escorting by H.M.C.S "SKEENA" and 3 Corvettes was attacked four times between 0333Z/10 September and 1444Z/10 September. "SKEENA" reported the attacks were made by at least two submarines and probably one was sunk.

(b) <u>Convoys</u>

A convoy comprising 48 ships of which 35 were British, 10 Norwegian, 2 Dutch, 1 Panamanian sailed from Halifax on September 4th under the Ocean Escort of H.M.S. "ALAUNIA".

The Sydney and Wabana sections of a convoy sailed on September 5th under the Ocean Escort of H.M.S. "AUSONIA". The 56 ships in the convoy comprised 33 British, 13 Norwegian, 4 Greek, 2 Panamanian, 2 Belgian, 2 Dutch.

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A convoy comprising 59 ships of which 40 were British, 14 Norwegian, 1 Polish, 2 Panamanian, 1 Belgian, 1 Dutch sailed from Halifax on September 10th under the Ocean Escort of H.M.S. "ASCANIA.

This week there were two independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) M.E.O. One hundred and sixty-four D.E.M.S. inspections were carried out this week in the following ports: Halifax (68), Sydney (65), Montreal (27), Quebec (3), Saint John (1).

(b) Information regarding arming etc. has been received regarding the following ships:-

"GLITTRE"	3" gun mounted	Halifax
"FEDERIKO GLAVIC"	3" gun mounted	Sydney
"BERURY"	4" gun mounted	Halifax
"JAN"	In hand arming	Montreal
"SAN ANDRES"	In hand arming	Montreal
"SKOTTLAND"	In hand arming	Quebec
"CANATCO"	In hand arming	Quebec
"DALWARNIC"	In hand arming	Quebec

As a result of inquiries from Masters of unarmed ships Admiralty have been asked for their policy regarding the supply of L.A. and A.A. equipment to British and Allied vessels trading in the Pacific both to Canadian and U.S.A. ports.

It is expected that the manufacture in Canada of Plastic Armour to Admiralty specifications for bridge protection and machine gun nests on merchant ships will commence in the very near future.

(c) Degaussing Inspections were carried out on 162 ships in Canadian ports this week; 158 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed	14
D.G. Repairs	5
D.G. Modifications	2
In hand for D.G.	86
In hand for Repairs	5
In hand for Modifications	0

(e) D.T.D. Inspections and trials of new construction building for the R.C.N. have taken place in Port Arthur, Toronto, Montreal, Sorel, Quebec.

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Details of trials, etc., are as follows:-

H.M.C. CORVETTES

"SHAWINIGAN"	Endurance & Anchor Trials 4.9.41.
"MORDEN"	Commissioned 6.9.41.
"DUNVEGAN"	Acceptance Trial 6.9.41.
"BRANTFORD"	Launched 6.9.41.
"DRUMHELLER"	Acceptance Trial. 6.9.41.
"SUMMERSIDE"	Acceptance Trial. 8.9.41.

MINESWEEPERS

"MIRAMICHI"	Launched 2.9.41.
"BURLINGTON"	Acceptance Trial 3.9.41. commissioned 6.9.41.
"UNGAVA"	Accepted and commissioned 5.9.41.

FISHERMANS' RESERVE PATROL VESSELS: "C.N. 218" launched 3.9.41.

(f) S.T.T.D. At a meeting of the Chemical Warfare Inter-Service Board it was reported the Lt-Governor-in-Council has approved the establishment of the research and experimental branch and experimental field at Suffield Alberta; buildings are progressing and practical experimental work has already been accomplished.

Information regarding A.R.P. work has been collected and will be passed to A.R.P. Officer at Halifax dockyard.

(g) I.O.B. In regard to Boom Defence operations work at Halifax and area proceeds rapidly; at Shelburne the Red Gate Vessel was placed in position August 25th, and Trots #1,2,B, and C, have been moored in place. Both A/S and A/T nets are in full operation at Sydney, N.S., while the Gaspe A/S net is in position, but not in use as the gate is being left open pending the establishment of an examination vessel, P.W.S.S., etc. At St. John's, Nfld., "CHESTERFIELD" fouled No. 3 Baffle, destroying two of the nets, and became badly entangled, but was released the next day. Two spare nets were immediately assembled and were in place the 27th, two days later. Lt-Commander McQueen, R.C.N.V.R., Superintendent of Boom Defence proceeds to the West Coast on an inspection trip this week. In an endeavour to cut heavy maintenance costs and maintain good working order for mechanical equipment for Boom Defence work, W.O.P.F. Squibb has been entered in the Special Branch for duty with the Division as Engineer Officer in charge of such matters.

(h) S. A/S A Fairmile has been fitted with Type 134A A/S set at Greavette Company, and 41 Corvettes are now fitted with Type 123A sets; 7 M/S are equipped with Type 128 sets.

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(i) R.D.F.O. Installation of R.D.F. sets at Halifax are slightly behind schedule; the officer-in-charge of installation at Dockyard is en route to HQ to discuss problems in this connection, in order that a general speed-up can be made.

(j) D.G.O. Shipments have been made of multi-core cable for the D.G. of M/S.

The site for the Vancouver D.G. Range has been established and authority given the contractor to proceed on the Range Hut. Halifax D.G. Range is junctioning well, and no trouble has developed in the detector coils made up in Halifax. This range is ranging between 200 and 300 ships a month.

(k) R.L.O. An experimental model of the maghetic submarine detector produced in the Physics Division of the N.R.C. exceeds expectations as to sensitivity. In its present state the instrument is capable of a sensitivity of .15 milligauss per division of the recording instruments. It is thought that this instrument will be productive of results superior to those so far obtained with the U.S. "F.Q." type detector.

The Stearnson Laboratories, Brantford, have developed a special paint for camouglaging purposes. When applied to buildings, it renders them indiscernible from the surrounding green foliage when photographed by infra-red methods. It is considered that such a covering material might prove of value in the future as a camouflaging agent for the Extended Defence buildings at Halifax. The paint is produced in colours suitable for regular official camouflaging. The development is an endeavour to interest the R.C.A.F.

5. STORES The equipment purchased by the Naval Stores amounted this week to $113,732.00.

CHIEFS OF STAFF COMMITTEE

13th September
1 9 4 1

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 9.

Ottawa, 20th September, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 98.

(For week ending 20th September)

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N A V A L S E R V I C E S

1. PERSONNEL

(a) The Mobilised strength of the Royal Canadian Navy and Reserve Forces as at September 18th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	342	3,433	3,775
R.C.N.R.	694	3,792	4,486
R.C.N.V.R.	2,014	14,885	16,899
TOTAL	3,050	22,110	25,160

Increase 143

(b) Recruiting Activities from September 11th, 1941, to September 18th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	3	3
R.C.N.R.	6	60	66
R.C.N.V.R.	28	89	117
TOTAL	34	152	186

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	1	2
Discharges (a) Med. Unfit	0	20	20
(b) Other Reasons	3	18	21
TOTAL	4	39	43

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
170	1,401	1,571

2. CASUALTIES

(a) Michael S. MILLS, Sub-Lieutenant, R.C.N.V.R. - Killed in action September 11th, 1941.

(b) William Irvin BROWN, Stoker I, O.N. A.4212 - Lost at sea, September, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	311	342
Other Deaths.	4	38	42
TOTAL	35	349	384
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "COWICHAN" from Bermuda 11.9.41.

(ii) H.M.S. "CALIFORNIA" 13.9.41.

(iii) H.M.S. "MALOJA" 13.9.41.

(iv) H.M.S. "MONTCLARE" 14.9.41.

(v) H.M.C.S. "ANNAPOLIS" 14.9.41.

(vi) H.M.C.S. "HAMILTON" 14.9.41.

(vii) H.M.C.S. "ASSINIBOINE" 15.9.41.

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(viii) H.M.C.S. "SAGUENAY" 15.9.41.

(ix) H.M.C.S. "DUNVEGAN" 16.9.41.

(x) H.M.C.S. "MORDEN" from Quebec 16.9.41.

(xi) H.M.C.S. "OTTAWA" 16.9.41.

(xii) H.M.S. "WOLFE" 16.9.41.

- Departures -

(xiii) H.M.C. Ships "ALGOMA" and "BRANDON" escorting convoy to W. R/V thence to St. John's. They are to be employed temporarily on Belle Isle Straits patrol duty. 16.9.41.

(xiv) H.M.C.S. "HAMILTON" sailed 16.9.41. arrived Pictou 17.9.41.

At St. John's

- Arrivals -

(xv) H.M.C.S. "CHILLIWACK" 12.9.41.

(xvi) H.M.C.S. "SNOWBERRY" 12.9.41.

(xvii) H.M.C.S. "ST. LAURENT" 14.9.41.

(xviii) H.M.C.S. "PICTOU" 15.9.41.

(xix) H.M.C.S. "BUCTOUCHE" 16.9.41.

(xx) H.M.S. "ROMSEY" 16.9.41.

(xxi) H.M.S. "BROADWAY" 17.9.41.

(xxii) H.M.C.S. "GALT" 17.9.41.

(xxiii) H.M.S. "POLYANTHUS" 17.9.41.

- Departures -

(xxiv) H.M.C.S. "AGASSIZ" 12.9.41.

(xxv) French "ALYSSE" (Sloop) 12.9.41.

(xxvi) H.M.C.S. "ARROWHEAD" 12.9.41.

(xxvii) H.M.S. "BURNHAM" 12.9.41 arrived Boston 17.9.41 for refit.

(xxviii) H.M.S. "CAMELLIA" 12.9.41.

(xxix) H.M.S. "CELANDINE" 12.9.41.

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(xxx) H.M.S. "CHURCHILL" 12.9.41.

(xxxi) H.M.C.S. "EYEBRIGHT" 12.9.41.

(xxxii) H.M.S. "HONEYSUCKLE" on escort duties 13.9.41.

(xxxiii) H.M.C.S. "LEVIS" on escort duties 13.9.41.

(xxxiv) H.M.C.S. "MAYFLOWER" 13.9.41.

- At Iceland -

- Arrivals -

(xxxv) H.M.C.S. "CHAMBLY" 14.9.41.

(xxxvi) H.M.C.S. "FENNEL" 14.9.41.

(xxxvii) H.M.S. "RICHMOND" 14.9.41.

(xxxviii) H.M.C.S. "COLUMBIA" 17.9.41.

(xxxix) H.M.S. "GLADIOLUS" 17.9.41.

(xl) H.M.S. "MIMOSA" 17.9.41.

(xli) H.M.C.S. "WETASKIWIN" 17.9.41.

(xlii) H.M.S. "CHESTERFIELD" sailed St. John's, Nfld. on escort duties.

(xliii) H.M.C.S. "LYNX" arrived Gaspe 13.9.41., sailed on patrol 17.9.41.

(xliv) H.M.C.S. "RACCOON" sailed Gaspe 16.9.41. on patrol.

(xlv) H.M.S. "RANPURA" arrived Sydney 17.9.41.

(xlvi) H.M.C.S. "REINDEER" sailed Gaspe 15.9.41. on patrol.

(xlvii) H.M.C.S. "SPIKENARD" arrived Sydney 17.9.41.

(xlviii) Convoy HX 150 sailed Halifax 16.9.41. Local escort H.M.C. Ships "ANNAPOLIS", "BRANDON", "ALGOMA". Ocean escort U.S. Destroyers "ERICSSON", "DALLAS", "UPSHUR", "ELLIS", "EBERLE".

(xlix) S.C. 44 sailed Sydney 11.9.41 escorted by H.M.S. "WOLFE" and H.M.C. Ships "LETHBRIDGE", "SHEDIAC", "NAPANEE", Fr. Sloop "ALYSSE".

(l) H.M.C.S. "AMHERST" will R/V with "LADY DRAKE", now en route Quebec from Kingston, Ja., and escort her to Quebec.

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(li) H.M.C.S. "BADDECK" completed repairs to engine at Kingston, Ja. Due Halifax September 19th.

(lii) H.M.C. Ships "BITTERSWEET", "NIAGARA" arrived St. John's September 14th in company with H.M.S. "CANDYTUFT" whose after boiler exploded while escorting convoy.

(liii) H.M.C. Ships "MALPEQUE", "MINAS" departed Esquimalt September 13th. Arrived San Pedro September 17th en route to Halifax.

(liv) H.M.C.S. "PRINCE DAVID" departed Bermuda September 12th, to R/V with convoy S.F.2. Escorted convoy towards U.K. until September 18. To leave convoy on Sept. 18 and proceed to Halifax for refit.

(lv) H.M.C.S. "PRINCE HENRY" arrived Kingston from Panama September 13. Will be required to transport reinforcements for British Battalion from Jamaica to Dutch West Indies on September 19. On completion of this duty she will proceed to Bermuda.

(lvi) H.M.C.S. "PRINCE ROBERT" was taken in hand at Esquimalt on September 9th for refit, will complete October 7th.

(lvii) H.M.C.S. "SASKATOON" departed Quebec September 13th escorting "LADY RODNEY" to Kingston, Ja.

(lviii) In view of the attack on S.C. 42 on September 10 - September 11, it has been decided that all future escort groups shall comprise nine ships.

On September 16, the United States Navy took over the organisation for escorting all HX Convoys in the Western Atlantic.

Sydney Slow Convoys (S.C.) are to be escorted by H.M. and H.M.C. Ships under C.C.N.F. and Halifax fast Convoys (H.X.) are to be escorted by U.S. Ships under C. in C. Lant.

(b) Convoys The Sydney and Wabana sections of a convoy sailed on September 11th under the Ocean Escort of H.M.S. "WOLFE". The 58 ships in the convoy comprised 28 British, 16 Norwegian, 5 Dutch, 3 Greek, 3 Swedish, 2 Panamanian, 1 Icelandic.

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A convoy comprising 47 ships of which 29 were British, 9 Norwegian, 5 Dutch, 2 U.S., 1 Icelandic, 1 Belgian, sailed from Halifax on September 16th under the Ocean Escort of U.S.S. "ERICSSON", U.S.S. "DALLAS", U.S.S. "UPSHUR", U.S.S. "ELLIS", U.S.S. "EBERLE".

This week there were no independent trans-ocean sailings.

4. WORKS

(a) M.E.O. One hundred and thirteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (59), Sydney (40), Montreal (9), Saint John (4), Esquimalt (1).

(b) Information regarding arming, etc. has been received regarding the following ships:-

"HERBRAND"	4" gun mounted	Halifax
"GEFION"	4" gun mounted	Halifax
"ADA"	3" gun mounted	Halifax
"KOLLBJORG"	4" gun mounted	Halifax
"DEAN EMERY"	4" gun mounted	Halifax
(original gun damaged at Gun trials & removed)		
"ARISTOPHANES"	In hand arming	Halifax
"DAGHILD"	In hand arming	Halifax
"SAVA"	In hand arming	Sydney
"FRANCIS DAWSON"	In hand arming	Sydney
"ARICA"	In hand arming	Quebec
"PRINCESS MARGUERITE"	In hand arming	Esquimalt

(c) The degaussing equipment of 112 ships was inspected this week in Canadian Ports; 111 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed	14
D.G. Repairs	4
D.G. Modifications	0
In hand for D.G.	93
In hand for Repairs	5
In hand for Modifications	0

(e) D.T.D. Inspections and trials of new construction building for the R.C.N. have taken place in Port Arthur, Toronto, Montreal, Sorel, and Quebec.

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Details of Trials, etc., are as follows:-

H.M.C. CORVETTES

"LOUISBURG"	F.P., Turning and Astern Trials 19.9.41.
"DUNVEGAN"	Commissioned 9.9.41.
"SUMMERSIDE"	Commissioned 11.9.41.
"CHARLOTTETOWN"	Launched 10.9.41.
"SHAWINIGAN"	F.P., Steering Astern and Acceptance Trials 12.9.41.
"DRUMHELLER"	Commissioned 13.9.41.

MINESWEEPERS

"GEORGIAN"	F.P. trial 15.9.41.

FISHERMANS RESERVE P/VS: CN 219 launched 10.9.41.

M.T.B.'s

"V252	Accepted at Montreal 16.9.41., sailed for Halifax 18.9.41.

(f) S.T.T.D. Extensive information and drawings re magnetic and acoustic minesweeping have been received from Admiralty concerning the "LL" Mk. VI Sweep, which is a fly wheel type of gear; information will greatly facilitate the plans for this type of equipment.

The S.T.T.D. is in Halifax attending a meeting of American and Canadian experts upon controlled floodlighting; during his visit he will deal with magnetic and acoustic minesweeping, controlled minelaying and A.R.P. work.

(g) I.O.B. Operations in Boom Defence work proceed according to schedule. At Gaspe H.M.C.S. "VENNING" assumed duties as an examination vessel September 11th, and the Boom is now in full operation. Boom Defence Tug "PATRICIA MCQUEEN" sailed from Montreal September 17th, and the Gate Attendant Vessel, "R.J. FOOTE" has now arrived from Sydney. There is still, however, no Boom Maintenance Vessel at this port, but the matter is in hand. At Shelburne work on Boom Defence buildings has not been completed although they are now occupied. Dredging operations through the shoal in line with the launching trough have not been started, for the dredge now at Shelburne required 13 ft. to operate in. Enquiries are being made to obtain a smaller dredge so that a 6 ft. channel can be provided. A Tug is being acquired for St. John's, Nfld., and is to be fitted with a 5-ton derrick for the maintenance of the A/T Nets. At Prince Rupert a single line of A/S net is now in place. Winches on temporary Gate Vessels are having difficulty in operating Gate due to its

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great depth; i.e., 128 ft. 6 inches. This matter is under consideration by the Deputy I.O.B., now at this port.

(h) S. A/S — A method of shipping and unshipping the underwater components of the Type 134A A/S Set at sea has been developed and successfully tried out.

(i) R.D.F.O. — O/C Installation, S/Lt. Dunn, (S.B.) at Halifax has recommended modifications in the R.D.F. of Corvettes, i.e. - Design of equipment; changes needed in storekeeping; alterations to the general dockyard personnel arrangements. He is visiting HQ to put forward recommendations to improve the situation generally, and to speed up installation in the dockyard.

Information concerning the dimensions and general arrangements for the building required at Gaspe for Harbour protection R.D.F. has been given to D.W.B. (N).

The 2nd Panoramic Receiver is now undergoing field tests in the National Research Council. The problem to be overcome is that of a suitable antenna system which will respond to the band of frequencies between 200 and 50 cms. Should N.R.C. be successful in overcoming this problem, we will have a receiver ready for installation aboard ship which will reliably detect any enemy transmissions with R.D.F. intended to detect the presence of our ships, and in addition to allow us to take offensive action against the enemy ship employing R.D.F. The great importance of this phase of R.D.F. has been stressed in recent Admiralty letters,

R.D.F.O. represented the R.C.N. at the Inter-Services R.D.F. Committee meeting on Monday, September 15th.

Lieut. J. Carlisle arrived at N.S.H.Q. for duty in the R.D.F. Branch on the 8th; his background in radio is so comprehensive that after 4 day's instruction at HQ he was assigned to fit Canadian R.D.F. in H.M.S. "CHITRAL" at Saint John, N.B.

Signal School have been instructed to survey H.M.C.S. "PRINCE DAVID" on arrival with the object of fitting R.D.F.

(j) R.L.O. — Plastic armour slabs of 4-inch thickness have been made up for test with 0.55 cal. A.P. ball. The Army, through their interest in Plastic Armour, have kindly consented to supply a suitable gun and ammunition.

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Halifax Division of Scientific Research & Experiment Dept. have developed a portable type of Potentiometer set for locating D.G. cable faults.

(k) D.G.O. It is understood that the Department of Munitions & Supply are going into the whole question of D.G. cable, with a view to eliminating the periodic shortages in types used for fitting merchant ships.

Specifications for the D.G. of Tribal Class destroyers have been requested from Admiralty.

20,000 feet of specialised cable for D.G. Ranges is being shipped from Vancouver for the U.S. Naval Authorities.

5. STORES The equipment purchased by the Naval Stores amounted this week to $173,041.00.

CHIEFS OF STAFF COMMITTEE

20th September
1941

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DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 10.

Ottawa, 27th September, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 99.

(For week ending 27th September)

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N A V A L S E R V I C E S

1. PERSONNEL

(a) The Mobilised strength of the Royal Canadian Navy and Reserve Forces as at September 25th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	344	3,437	3,781
R.C.N.R.	696	3,822	4,518
R.C.N.V.R.	2,041	14,906	16,947
TOTAL	3,081	22,165	25,246

Increase 86

(b) Recruiting Activities from September 18th, 1941, to September 25th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	2	4
R.C.N.R.	4	32	36
R.C.N.V.R.	27	54	81
TOTAL	33	88	121

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties	(See Sec. 2)	0	0	0
Discharges	(a) Med. Unfit	0	22	22
	(b) Other reasons	2	11	13
TOTAL		2	33	35

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	6	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
162	1,513	1,675

2. CASUALTIES

- NIL -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	311	342
Other Deaths.	4	38	42
TOTAL.	35	349	384
Wounded or Injured. . . .	1	63	64
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "ANNAPOLIS" 18.9.41.

(ii) H.M.C.S. "BADDECK" 19.9.41.

(iii) Cable Ship "CYRUS FIELD" 19.9.41.

(iv) H.M.C.S. "PRINCE DAVID" 21.9.41. from escort duties, for refit, she will complete approximately November 13th.

(v) H.M.S. "RANPURA" from escort duties 23.9.41.

(vi) H.M.S. "HARVESTER" from escort duties 24.9.41.

(vii) H.M.S. "HAVELOCK" from escort duties 24.9.41.

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- Departures -

(viii) H.M.C.S. "AMHERST" on escort duties 18.9.41 arriving Quebec 21.9.41.

(ix) H.M.C.S. "ANNAPOLIS" as local escort to HX 151 23.9.41.

(x) H.M.S. "CALIFORNIA" 21.9.41 arrived Boston 23.9.41.

(xi) Convoy HX 151 under the escort of U.S. Ships "DECATUR", "LIVERMORE", "KEARNEY", "PLUNKETT", "GREER" 22.9.41.

(xii) Cable Ship "CYRUS FIELD" 23.9.41.

(xiii) H.M.C.S. "DUNVEGAN" for Pictou. 23.9.41.

(xiv) H.M.C.S. "MORDEN" for Pictou 23.9.41.

(xv) H.M.C.S. "OTTAWA" for Sydney 23.9.41. arrived Sydney 23.9.41. and sailed on escort duties 24.9.41.

- At Iceland -

- Arrivals -

(xvi) H.M.C.S. "PRESCOTT" 20.9.41.

(xvii) H.M.S. "CHURCHILL" 21.9.41.

(xviii) H.M.S. "CAMELIA" 21.9.41.

(xix) H.M.C.S. "AGASSIZ" 23.9.41.

(xx) French "ALYSSE" from escort duties 23.9.41.

(xxi) H.M.C.S. "ARROWHEAD" 23.9.41.

(xxii) H.M.S. "CHESTERFIELD" 23.9.41.

(xxiii) H.M.C.S. "EYEBRIGHT" from escort duties 23.9.41.

(xxiv) H.M.C.S. "MAYFLOWER" from escort duties 23.9.41.

- Departures -

(xxv) H.M.C.S. "FENNEL" on escort duties 23.9.41.

(xxvi) H.M.S. "GLADIOLUS" on escort duties 23.9.41.

(xxvii) H.M.S. "MIMOSA" on escort duties 23.9.41.

(xxviii) H.M.S. "RICHMOND" on escort duties 23.9.41.

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- At St. John's -

- Arrivals -

(xxix) H.M.C.S. "ALGOMA" from escort duties 18.9.41.

(xxx) H.M.C.S. "BRANDON" from escort duties 18.9.41.

(xxxi) H.M.C.S. "COBALT" 18.9.41.

- Departures -

(xxxii) H.M.C.S. "TRAIL" on escort duties 19.9.41.

(xxxiii) H.M.C.S. "SNOWBERRY" 20.9.41.

(xxxiv) H.M.C.S. "PICTOU" 20.9.41.

(xxxv) H.M.C.S. "COLLINGWOOD" on escort duties 20.9.41.

(xxxvi) H.M.C.S. "CHILLIWACK" on escort duties 20.9.41.

(xxxvii) H.M.C.S. "HEPATICA" for patrol 23.9.41. thence Halifax.

(xxxviii) H.M.C.S. "BITTERSWEET" on escort duties.

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(xxxix) H.M.C.S. "DRUMHELLER" sailed Quebec 23.9.41. for Halifax.

(xl) H.M.C.S. "HUSKY" arrived Saint John, N.B. 24.9.41.

(xli) H.M.C.S. "LYNX" arrived Gaspe from patrol 21.9.41.

(xlii) H.M.C.S. "MINAS" sailed San Pedro 19.9.41.

(xliii) H.M.C.S. "RACCOON" arrived Gaspe 25.9.41.

(xliv) H.M.C.S. "REINDEER" sailed Gaspe for patrol 23.9.41.

(xlv) H.M.C.S. "SASKATOON" arrived Kingston, Jamaica 25.9.41.

(xlvi) S.C. 45 sailed Sydney 18.9.41. "RANPURA" ocean escort, H.M.C. Ships "ST. LAURENT", "BITTERSWEET", "COLLINGWOOD", "CHILLIWACK", "SNOWBERRY", "TRAIL", "PICTOU", "SPIKENARD", H.M.S. "DIANTHUS".

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(xlvii) S.C. 46 sailed Sydney 24.9.41. Escorts H.M.C. Ships "OTTAWA", "COBALT", "BUCTOUCHE", "GALT", H.M. Ships "BURWELL" "BROADWAY", "POLYANTHUS".

(xlviii) H.M.C. Ships "ASSINIBOINE", "SAGUENAY", departed Halifax September 19th, acting as ocean escort.

(xlix) H.M.C. Ships "DRUMHELLER", "SUMMERSIDE", departed Quebec 23.9.41. and are expected to arrive Halifax September 25th.

(l) M.T.B. V252 departed Montreal 18.9.41. and arrived Halifax 22.9.41.

(li) H.M.C. Ships "MALPEQUE", "MINAS" en route Halifax from Esquimalt via Panama departed San Pedro 19.9.41.

(lii) H.M.C.S. "PRINCE HENRY" on special escort duty. Left Kingston, Ja., 19.9.41. for Curacao. On completion of this duty she is to sail for Bermuda.

(liii) H.M.C.S. "PRINCE ROBERT" refitting in Esquimalt, is expected to complete October 7th.

(liv) H.M.C.S. "SASKATOON" escorting "LADY RODNEY" from Quebec to Kingston via Bermuda and Nassau, arrived Nassau 22.9.41.

(lv) All R.N. Corvettes in the Newfoundland Escort Force are to be released forthwith and in view of this every available R.C.N. Corvette is required in this force. Ships of the N.E.F., now in Iceland are to be sailed for St. John's, Nfld., with the next outbound convoy.

(lvi) On the 19-20 September, S.C.44 was attacked by U-Boats south east of Greenland. Four ships were torpedoed and three sunk. No definite results are known of the counter action by the escorts.

(b) <u>Convoys</u>

The Sydney and Wabana sections of a convoy sailed on September 18th under the Ocean Escort of H.M.S. "RANPURA". The 64 ships in the convoy comprised 38 British, 8 Norwegian, 7 Greek, 4 Dutch, 4 Swedish, 3 Panamanian.

A convoy comprising 47 ships of which 27 were British, 12 Norwegian, 3 Dutch, 2 U.S. 1 Greek, 1 Swedish, 1 Icelandic sailed from Halifax on September 22nd under the Ocean Escort of U.S.S. "DECATUR", U.S.S. "GREER", U.S.S. "LIVERMORE", U.S.S. "KEARNEY", U.S.S. "PLUNKETT"

The Sydney and Wabana sections of a convoy sailed on September 24th under the Ocean Escort of H.M.C.S. "OTTAWA" and group from N.E.F. The 61 ships in the convoy comprised 37 British, 9 Norwegian, 4 Swedish, 5 Dutch, 1 Belgian, 1 Polish, 3 Greek, 1 Finnish.

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This week there were three independent trans-ocean sailings, two from the Atlantic Coast and one from the Pacific Coast.

4. WORKS

(a) Mercantile Equipment Officer & Degaussing Officer

One hundred and thirty-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (68), Sydney (36), Montreal (28), Quebec (3), Saint John (2), Esquimalt (2).

(b) Information regarding arming, etc., has been received regarding the following ships:-

"BJERKA"	3" gun mounted	Halifax
"ARISTOPHANES"	4" gun mounted	Halifax
"DAGHILD"	4" gun mounted	Halifax
"SAVA"	3" gun mounted	Sydney
"RIO VERDE"	3" gun mounted	Halifax
"MELINE"	3" gun mounted	Halifax
"HOEGH GIANT"	In hand arming	Halifax
"ALGONQUIN"	In hand arming	Halifax
"MARIANNE"	In hand arming	Montreal

The Admiralty have concurred in the proposal for a general allocation of anti-aircraft military D.E.M.S. gunners to Allied ships, in addition to British ships, when bound for the United Kingdom.

(c) The degaussing equipment of 138 ships was inspected this week in Canadian ports; 132 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States Ports:

D.G. Completed	27
D.G. Repairs	3
D.G. Modifications	0
In hand for D.G.	73
In hand for Repairs	5
In hand for Modifications	0

(e) Director of Technical Division

Trials carried out this week are as follows:-

H.M.C. CORVETTES

"PORT ARTHUR" Launched 18.9.41.
"SHAWINIGAN" Commissioned 19.9.41.
"KAMSACK" Endurance and Full Power Trials 19.9.41.

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MINESWEEPERS

"GEORGIAN"	Accepted 22.9.41., commissioned 23.9.41.
"CHEDABUCTO"	Progressive, Steering, Armament, Anchor and Full Power Trials 19.9.41.

FAIRMILES

Q054 (C.N. 130)	Passed Power Trials 16.9.41.
Q070 (C.N. 140)	Launched 17.9.41.

(f) Senior Technician, Technical Division

Trials were conducted at sea to demonstrate the capabilities of controlled floodlighting to render ships invisible, and showed that the idea is really workable, but that there are still some problems to be solved.

"ROSS NORMAN" is now actively engaged in deperming work, and the training of the crew is making very satisfactory progress.

(g) Inspector of Boom Defence

Activities of the Boom Defence Section proceed according to schedule. At St. John's, Nfld. repairs to damaged A/T Nets were completed and Baffles suitable lighted for night navigation.

(h) Superintendent of A/S

Corvettes fitted with Type 123A A/S Sets number 45; 8 minesweepers are equipped with Type 128, while the first Type 134A A/S Set has been installed in Fairmile "-54.

The scientists who witnessed the trials of the F.Q. device were of the opinion that no more trials were worth while until drastic improvements have been made to the F.Q. device.

(i) R.D.F. Officer

More than 60 points dealing with the present corvette installation R.D.F. were discussed with Research Enterprises Limited's engineers, a great number of these points being recommendations to improve the gear and to transfer work to the manufacturer from the dockyard, in order to assist the speed-up. Most of the recommendations were found acceptable to the manufacturer, and will be put into effect at once.

The first complete production Type S.W. -IC was delivered by Research Enterprises Limited during the week, shipped to National Research Council

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for a thorough check, then shipped to Saint John for installation on H.M.C.S. "CHITRAL",

A report has been received from the Commanding Officer H.M.C.S. "BADDECK", the first Canadian Corvette to be completely equipped with Canadian R.D.F. The value of R.D.F. in navigation through fog is well illustrated; and the report also gives plenty of evidence that our effort to obtain nitrogen gas was well worth while since "BADDECK's" installation fails when the coaxial cable is dampened due to rain. The nitrogen gas installation will avoid this.

The first sample "Panoramic" receiver is being put in first-class condition in preparation for installation on a corvette to assist the Admiralty to discover the R.D.F. frequencies used by enemy submarines and raiders.

(j) Research Liaison Officer

Tests are being conducted on a sample of Kite Anchoring Wire for the purpose of determining the suitability of Nylon Cord as a substitute.

Two plastic armour slabs have been built up using local trpa-rock, and subjected to penetration tests using Buoys .55 calibre Anti-Tank Gun with armour piercing ammunition. At zero degrees incidence, complete penetration obtained with occasional deviations through the slab amounting to one calibre. For this ammunition having an impact velocity of 3,000 feet per second, it was determined that the slab could not be relied upon to completely stop the projectile at angles less than 45° to the normal.

(k) Degaussing Officer

A complaint has been received from the Superintendent Vancouver Park Commissioners stating that the site finally chosen for the D.G. Range will result in considerable damage to the Park and requesting that the site be changed. D.G.O. Vancouver has been asked to investigate.

Authority is being sought from Superintendent of Shipbuilding for the running of lead sheath cable, comprising the "A" coil in LL Steam Minesweepers, in the oil trough at the base of the fuel bunkers.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $225,377.00.

CHIEFS OF STAFF COMMITTEE

27th September
1 9 4 1

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SECRET

SUMMARY OF NAVAL WAR EFFORT

- July 1st to September 30th, 1941 -

NOTE: This Summary is a continuation of that from April 1st to June 30th 1941.

		Page
I.	NAVAL SERVICE HEADQUARTERS	1
II.	PERSONNEL	2
III.	SHIPS	6
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V.	COMMUNICATIONS	11
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VII.	DOCKYARDS	23
VIII.	SUPPLY	25
IX.	ARMAMENT	27
X.	TECHNICAL DEVELOPMENT	32

NOTE: Items marked # must NOT be made public.

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1 - Naval Service Headquarters

1. Once more the question of office accommodation for N.S.H.Q. has become acute, despite the occupation last quarter of the reconstructed Aylmer Building.

2. By direction of the Minister a committee has been formed, with the Deputy Minister as Chairman, to investigate and report all possible solutions to the problem.

3. It has been suggested that the present offices on the ground floor of Laurentian Club building, lately acquired by the Canadian Government, could be used for N.S.H.Q., leaving the remainder of the Club for use as an Officers' Club.

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Strength

1. Mobilized strength at the end of the quarter ending 30th September was 3,117 officers and 22,226 ratings, a total of 25,343.

2. In addition, Divisional strength at R.C.N.V.R. Headquarters included 163 officers and 1,759 ratings.

3. The increase in personnel over the last quarter is 502 officers and 4421 ratings.

Entry and Training

4. Direct entry of officers continues to be by selection. Officers other than Special Branch are attached initially to R.C.N.V.R. Divisions as probationary sub-lieutenants, pending draft to a training establishment.

5. Officers were entered during the last quarter as follows:-

R.C.N.

31	Cadets	Appointed to U.K. for training
5	Pay. Cadets	

R.C.N.R.

10	Lieutenants
7	Mates
8	Lieutenants (E)

R.C.N.V.R.

2	Lieutenant Commanders
146	Probationary Sub-Lieutenants
11	Surgeon Lieutenants
1	Paymaster Sub-Lieutenant
17	Lieutenants (S.B.)
9	Sub-Lieutenants (S.B.)
3	Warrant Officers (S.B.)
1	Warrant Victualling Officer
1	Commissioned Electrician

Promotions from Lower Deck

6. 21 R.C.N.V.R. and 1 R.C.N.R. rating were promoted to commissioned rank during the quarter.

Of the 150 ordinary seamen sent to the United Kingdom to qualify for commissions:-

117 have now received commissions

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15 transferred to Fleet Air Arm and have received commissions
8 are still under training as ordinary seamen
2 were returned to Canada on compassionate grounds and promoted to commissioned rank after training in Canada.
2 failed selection or passing out boards and were returned to Canada with option of discharge or continuing to serve as ratings in the Royal Canadian Navy.
6 were casualties prior to board.

7. Of the 241 probationary sub-lieutenants who passed through Royal Roads and the Officers' Training Establishment at Halifax, now commissioned as H.M.C.S. "Kings",

232 successfully completed course
2 were transferred to probationary pay. sub-lieutenants
6 failed course and were discharged to shore
1 was discharged "medically unfit".

8. Approximately 100 of these officers received sea appointments. Thirty-four probationary paymaster sub-lieutenants successfully completed their course at H.M.C.S. "Stadacona".

Recruiting

9. Offers of service continue to flow in unabated while the standard of recruit entered is, if anything, slightly better. This is partly due to the availability of students graduating from high school in June, and particularly to successful selection by more experienced recruiting officers.

10. All old offers of service on file at Divisions have been reconsidered and new ones added, with the result that there are some 4,000 applications on file. A great many recruits from country points are being entered in accordance with new policy.

Training

11. Reports from R.C.N. barracks indicate that more satisfactory results are being achieved at Divisional Headquarters. This is due to the fact that all Divisions are now satisfactorily equipped with competent recruiting, training and medical officers and paymasters, who are now producing men well grounded in the fundamentals

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of seamanship, field training and Naval Service traditions. This has eased training at the Coast considerably.

12. R.C.N. recruiting has been slightly altered from the principles laid down in the last quarterly report and ratings volunteering to transfer to the Permanent Force are now given identical training with R.C.N.V.R. ratings. Selection of ratings for transfer is in the hands of the Commanding Officers of R.C.N. barracks and captains of ships.

13. Recruiting and training divisions have been established at Halifax and Esquimalt in order to facilitate recruiting at these points. Recruits are entered and given preliminary training similar to that given at Divisions.

14. As a result of the conference held recently at Naval Service Headquarters, syllabus of training laid down for Divisions has been slightly curtailed to bring it more within the capabilities and facilities of Divisions. It is anticipated that this will make unnecessary any repetition of Divisional training at R.C.N. Barracks and so shorten the period of training necessary for ratings upon arrival at R.C.N. Barracks.

15. Practical sea training continues to be the most serious defect in the existing scheme of training new entries.

Drafting

16. In the past it has been the policy to draft large numbers (approximately 1,200) of ratings from Divisional Headquarters every eight weeks. This has resulted in considerable fluctuation in numbers of trained ratings available for manning at the coasts, and has at the same time resulted in a rush of work falling upon various departments upon arrival of drafts. It has now been decided to draft at weekly intervals in small numbers. This will relieve the burden of these departments and provide a continuous number of trained recruits for manning every week.

Sea Cadets

17. Sea Cadet Corps of the Navy League are now under the jurisdiction of the Naval Service. While they will continue as previously in their normal functions, they will be inspected and supervised by the Naval Service. All appointments of officers and instructors will now require the approval of Naval Service Headquarters. It is proposed to appoint a civil co-ordinator to assist in the preliminary organization of existing and new corps. Detailed regulations are in the press.

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Nursing Service

18. A Royal Canadian Naval Nursing Service is now in being, but numbers have so far been restricted to three at the Naval Hospital, Esquimalt.

19. Summary of Awards to Canadian Naval Personnel

	Officers
Order of the British Empire	1
Distinguished Service Cross	7
George Medal	2
Commendation	1
Mention in Despatches	7
	Ratings
Medal of the O.B.E	1
Distinguished Service Medal	3
Mention in Despatches	9

Details will be issued shortly in Naval Monthly Orders.

Casualties

20. From 10th July to 30th September, 1941, 3 officers and 20 ratings were killed in action or on war service, including 17 ratings who were killed when H.M.C.S. "Levis" was sunk by direct enemy action on 19th September. One officer and four ratings died on active service from natural or other causes. During the period two ratings were wounded in "Levis" and one suffered an injury on active service. The number of prisoners-of-war remains at two, both in German camps.

21. Following are the officers mentioned above:

Lieut. Ramsey A. Nares, R.C.N.V.R.	Missing, presumed killed in sinking of H.M.S. "Fearless", 23rd July.
Lieut. Charles A. Keefer, R.C.N.V.R.	Drowned at sea attempting rescue, 26th August.
Captain Richard H. Oland, R.C.N.	Died 6th September.
Sub-Lieut. Michael S. Mills, R.C.N.V.R. (Temp.)	Killed in action, 11th September.

During the above period one officer and 238 ratings were discharged from the Service medically unfit.

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III - SHIPS

	30th June, 1941			30th September, 1941		
	East	West	Total	East	West	Total
M/S Vessels	17	5	22	17	5	22
A/S Vessels	14	3	17	14	3	17
Fishermen's Reserve	0	11 (3M/S)	11	0	11 (3M/S)	11
Fishermen's Reserve serving with R.C.A.F.	0	3	3	0	3	3
Auxiliary Vessels	122	23	145	134	21	155
Destroyers	13	0	13	13	0	13
Destroyers U.K.	0	0	0	0	0	0
Corvettes, New Construction	41	1	42	52	1	53
M/S New Construction	2	0	2	7	4	11
Armed Merchant Cruisers	1	2	3	2	1	3
Motor Torpedo Boats	1	0	1	Turned over to R.N.		
T O T A L S....	211	48	259	239	49	288

Of these vessels:-

12.....are R.C.N.

7.....Destroyers ex U.S. Navy

111.....Requisitioned or purchased from private owners.

14.....Fishermen's Reserve.

64.....Taken over from Government Departments.

16.....Loaned or donated to Government

53.....New construction corvettes completed.

11.....M/S completed.

TOTAL: 288

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1. 73 corvettes and 37 minesweepers have been launched.
52 corvettes are in full commission and operating on the East Coast.
1 corvette is in full commission and operating on the West Coast.

2. The ten corvettes which were built for the Royal Navy are now on loan to the Royal Canadian Navy and are R.C.N. ships. They are based at St. John's and are operating as escorts for convoys.

3. H.M.C.S. ANNAPOLIS and ST. CROIX are based at Halifax, employed as local escorts for convoys.

H.M.C.S. ASSINIBOINE, COLUMBIA, NIAGARA, OTTAWA, RESTIGOUCHE, ST. CLAIR, ST. FRANCIS, ST. LAURENT, SAGUENAY and SKEENA are now operating from St. John's, Nfld., as ocean escorts for convoys.

4. H.M.C.S. PRINCE DAVID based on Bermuda was engaged in patrol duty off Guadaloupe and the Atlantic.

5. H.M.C.S. PRINCE HENRY completed refit on 22nd July and was engaged in patrol duty off West coast of British Columbia. She left Esquimalt 24th August to establish patrol off Galapagos Island. Left patrol to transit Panama Canal 11th Sept. and arrived Kingston Ja., 13th Sept. She will proceed shortly to Bermuda.

6. H.M.C.S. PRINCE ROBERT was engaged in escorting troop transports from Suva and Canada. She departed Auckland 28th July with instructions to investigate reported presence of damaged German raider at Easter Isles. Result of investigation proved negative and after refuelling at Talara ship proceeded to Esquimalt, where she is at present undergoing annual refit. She is expected to complete on 7th October, when she will be placed at the disposal of C. in C.A. & W.I.

7. M.T.B. 250 arrived Montreal from Halifax 10th August to be armed.

8. H.M.C.S. RESTIGOUCHE struck a rock with both propellers off Argentia on 9th August. Propellers were badly chipped, but hull and machinery were undamaged.

H.M.C.S. NANAIMO grounded off Argentia 9th August, sustaining considerable structural and other damage. She proceeded Halifax for repairs.

9. H.M.C.S. ARVIDA) Left Sydney 5th September
BARRIE) with convoy for U.K., where
DAUPHIN) they are to undergo training
) at Western Isles.

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10. In view of the attack on S.C.42 on 10th Sept., 11th Sept., it has been decided that all future escort groups shall comprise nine ships.

On 16th Sept. the United States Navy took over the organisation of escorting H.X. convoys in the Western Atlantic.

Sydney Slow Convoys (S.C.) are to be escorted by H.M. and H.M.C. Ships under C.C.N.F. and Halifax Fast Convoys (H.X.) are to be excorted by U.S. Ships under Cinclant.

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IV - PORT DEFENCES

Halifax.

1. All defence measures have functioned satisfactorily during the past quarter.

2. An Anti-boat Boom is being added to the Anti-submarine Boom.

3. R.D.F. equipment has been installed at Duncan's Cove.

4. The controlled mining station at Sleepy Cove is in full operation.

5. The Harbour Defence Asdic and Loop Station was completed and commissioned. Operations are proceeding satisfactorily.

Sydney, N.S.

6. The A/T Boom has been completed and is in use.

7. Buildings for the H.D.A. Station have been completed and installation of equipment is in hand.

Saint John, N.B.

8. A new A/B Boom is under construction between Partridge Island and the Mainland.

9. The Mispec Point Port War Signal Station, Tiner's Point War Watching Station and Partridge Island Signal Station are operating satisfactorily.

10. The Examination Service also continues to function satisfactorily.

St. John's, Nfld.

11. There has been considerable activity to develop port defences in connection with the establishment of a Naval Base.

12. Laying of A/T nets has been completed.

13. Work on the P.W.S.S. at Cape Spear is expected to begin in the near future. Erection of the W/T Station on the Bay Bulls Road has commenced.

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14. Construction of Magazines will also be put in hand shortly.

15. Erection of Barracks has commenced.

Gaspe, P.Q.

16. Work is in progress on P.W.S.S.

17. A/S Boom has been completed and is in operation. A considerable number of improvements have been made to the newly-erected Boom Defence and Base buildings by local personnel.

18. An Examination Service is now functioning.

Shelburne, N.S.

19. Laying of A/S net has been complet d. Buildings have been erected for the Boom Defence Depot established during previous quarter.

20. Naval guns have been mounted at both Government Point and McNutt's Island. Searchlights are in position at Government Point and Tea Chest Battery.

21. Work on P.W.S.S. expected to begin in immediate future.

Esquimalt, B.C.

22. All defences continue to operate satisfactorily.

Prince Rupert, B.C.

23. First line of A/S Boom completed and work is in hand on second line. Boom Defence Depot buildings are in course of erection.

24. Work is in progress on P.W.S.S. at E. Kinahan Island.

25. Plans have been approved for a W/T Station, and work is expected to commence early in the coming quarter.

26. Erection of P.W.S.S. will begin in near future, on the new site at Big Creek Point.

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V - COMMUNICATIONS

Wireless Telegraphy

1. In spite of particularly adverse conditions, traffic handled by Ottawa W/T Station has shown a considerable increase over that of any previous quarterly period. The number of messages handled during September constitutes a record for any month since Ottawa W/T Station came into existence (July 1930).

2. High speed W/T communication between Ottawa-Whitehall and Ottawa-Esquimalt has been carried out on numerous occasions but, due to lack of equipment, has not become thoroughly established. However, equipment for Ottawa and Esquimalt has become available, while Whitehall and Bermuda have recently extended their facilities, so it is hoped high speed communication between Ottawa and Whitehall, Bermuda and Esquimalt will shortly become fairly reliable. In this way traffic can be handled very rapidly and full advantage taken of the brief daily intervals when conditions are good.

3. The locations for new W/T stations at Halifax and Esquimalt have been selected and steps taken to acquire land. Plans for receiving stations are almost complete, while plans for transmitting stations are in course of preparation.

4. The new H/F transmitters for Ottawa, Halifax and Esquimalt will be available by the time new buildings are ready. Work on the new L/F transmitters for Halifax and Esquimalt is proceeding satisfactorily and has reached a stage where final layout can be visualized.

5. W/T equipment for new construction vessels and minor W/T stations is being delivered on schedule and no difficulties in completing our commitments are anticipated.

Repair of Silica Valves

6. The number of Silica valves repaired by Professor Arnold Pitt, Department of Physics, University of Toronto, to date is 14, consisting of the four types used by the R.C.N. All 14 valves have been tested and found entirely satisfactory. There are still

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a number of valves awaiting repair and when this number is somewhat reduced, it is intended to offer our repair facilities to Commander-in-Chief America and West Indies, for repair of Silica valves returned to Bermuda Dockyard by H.M. Ships and W/T stations in this area.

Signal Distributing Office and Cyphering Office.

7. The work in S.D.O., Coding and Cyphering offices continues to increase. The total number of messages handled during quarter ending 30th September, 1941, is 70,455 as against 42,950 for the corresponding quarter of 1940.

8. The necessity to increase the staff in order to cope efficiently with the volume of work becomes daily more urgent. Steps are being taken for this purpose.

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THE WHOLE OF THIS SECTION IS TO BE REGARDED AS SECRET.

VI - INTELLIGENCE & TRADE

INTELLIGENCE

Foreign Intelligence Section.

1. The Foreign Intelligence Section is in charge of W/T Intelligence within the Naval Intelligence Division at N.S.H.Q. This Section obtains and scrutinizes all possible enemy and potential enemy telecommunication and promulgates the intelligence derived from this study.

2. The work of the F.I.S. includes erection and operation of special stations, training and control of personnel, liaison with similar services in the Army and Air Force, and final approval, installation and operation of equipment to locate, identify, and trace enemy craft who use their W/T transmitters.

3. The following stations have been placed in operation since the last summary was issued:

(a) Harbour Grace, Newfoundland (built by R.C.N.)
(b) Pennfield Ridge, N.B. (Naval personnel at R.C.A.F. station)
(c) Cap d'Espoir, P.Q. (Naval personnel at R.C.A.F. station.)

4. The Staff Officer, Foreign Intelligence, is at present visiting Western Canada and the Pacific Coast to arrange for stations in these areas to commence operations on Naval assignments this fall.

5. Canadian stations at present operating are:

(a) Hartlen Point, N.S.
(b) Botwood, Newfoundland.
(c) Harbour Grace, Newfoundland.
(d) Pennfield Ridge, N.B.
(e) Cap d'Espoir, P.Q.
(f) Esquimalt, B.C. (under jurisdiction of
(g) Montreal, P.Q. the Far Eastern Defence Organisation, Singapore.)

6. Additional stations to be in operation on Naval duties as soon as equipment and personnel are available:

(a) Ottawa, Ont. (Transport Station, replacing Montreal. To be in operation in September.)

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(b) Sydney, Airport, N.S.
(c) London, Ont.
(d) Rivers, Man.
(e) Prince Albert, Sask.
(f) Ucluelet, B.C.
(g) Alliford Bay, B.C.
(h) Coal Harbour, B.C.
(i) Churchill, Man. (In abeyance for the present)

7. The Canadian stations are an important part of the world-wide Admiralty organisation, comprising stations in the United Kingdom, Mediterranean, Indian Ocean, Far East, Pacific, Africa and the West Indies. With the West Indies stations, in particular, the Canadian stations work in closest co-operation. Together, they form a potentially independent unit, which, in emergency, would be able to continue the work of D/F Intelligence in the Atlantic.

8. The number of directional bearings passed to Admiralty from Canadian and West Indies Stations during the past quarter is as follows:-

July	- 589	
August	- 902	
September	- 462	(first two weeks)
	1,953	

9. Other stations engaged in the study of enemy and potential enemy W/T traffic are:

(a) Forrest, Man.
(b) Strathburn, Ont.
(c) Ottawa, Ont.
(d) Vancouver, B.C.

10. Two hundred and forty four special intelligence signals were passed to Admiralty in July, August and the first two weeks in September.

11. A Staff Officer from the Foreign Intelligence Section has recently returned from a short visit to the Naval Intelligence Division at Admiralty. While in England he visited various departments connected with W/T Intelligence. This officer brought back to Canada much data on further equipment recently developed for analysing enemy telecommunication and his visit was of the utmost value.

12. As a result of the information gained from Admiralty, proposals are being put forward to extend the work of the Section to place in operational use these new developments. This work is being undertaken in close co-operation with the National Research Council.

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13. Research officers, working in conjunction with field officers, are studying suggestions to improve the efficiency of the Canadian stations. The problems of each station in operation are studied from the point of view of the stations soon to commence operation on Naval assignments.

14. In addition, several research projects are under development, to further the work of this section.

15. The maintenance of continual watch in F.I.S. has placed plotting and the study of enemy traffic on a 24-hour basis.

General Intelligence.

16. The movements of German and Italian merchantmen have been plotted, while information regarding trade and movements of various other merchant ships has been gathered and passed for necessary action.

17. Intercepts of Japanese W/T have been translated and much information regarding ports of call and sailings of Japanese ships has been secured and acted upon under the heading of Far East Intelligence.

18. Useful information of mutual interest has been exchanged with United States authorities.

Far East Intelligence Section.

19. As a result of the tense situation which developed in the Pacific in August, it became evident that certain intelligence from Pacific sources, previously handled by F.I.S. in spare time, was worth developing. Accordingly, a separate division, F.E.I. (Far Eastern Intelligence), was established on 18th August.

20. The work of this Section is now carried on by one R.C.N.V.R. officer and one rating.

21. A link-up was established with several Naval and Military departments for the adequate prosecution of this work. A particularly large volume of specialised work was undertaken for Military intelligence.

22. Although the Pacific situation has eased considerably for the time being, the work of this Section has proved useful and will be continued and developed.

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Security Intelligence Officers.

23. During this quarter Security Intelligence Officers have been appointed at the following ports: St. John's, Newfoundland; Halifax, N.S.; Sydney, N.S;; Saint John, N.B.; Montreal, and Esquimalt. These officers have been selected for their ability and knowledge of local conditions in their respective areas. Their duties comprise co-operation with the local police and other authorities in all matters which affect port and shipping security - sabotage, espionage, desertions, subornation, etc. Their appointment affords closer liaison between Naval Service Headquarters and the ports in all matters affecting security from the Naval standpoint.

24. The Security Intelligence Officer, Esquimalt, recently appointed, has visited Naval Service Headquarters and personally discussed various measures concerning security on the Pacific Coast.

25. Much informative material, received from the U.S.A. and West Indian authorities, has been co-ordinated and distributed to its proper quarter, S.I.O's, R.C.M.P., etc.

Censorship.

26. A close liaison continues to be made between the Naval Intelligence Division and all censorship authorities. Much valuable intelligence is obtained in this manner.

27. The Naval Intelligence Liaison Officer in the postal censorship is doing particular valuable work on correspondence to and from prisoners of war.

TRADE SECTION.

28. The main concern of the Trade Section during the last three months has been, as ever, the avoidance of delays to merchant shipping, and it is hoped that good progress in this direction has been made.

29. Delays can usually be placed under the following broad headings:

30. Repairs to Ships: The R.C.N. is represented on the Advisory Committee of Ship Repairs by Director of Naval Intelligence and Trade. The Controller of Ship Repairs has, in

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the course of 1941, arranged for considerable extra repair berth facilities, machine tools, etc., and housing for workers at Halifax, and other smaller East Coast ports. A new 600' long floating dock is nearing completion at Halifax and it is hoped that as a result of these steps, the delays due to ship repairs in this coming winter will be reduced. Naval Service have pressed hard for the removal of a 400' section of the Connaught Dock at Montreal to Halifax for the winter, but the Ministry of Munitions and Supply have ruled against this movement and the dock will therefore not be available.

31. Bunkering Facilities, etc,: Steps have been taken in conjunction with Ministry of Munitions and Supply, Canadian Controller of Transport and National Harbours Board to provide very increased facilities for bunkering and watering ships coming to Halifax for convoy assembly. The following peak loads have been set:

Coal - 25 ships in 24 hours
Oil - 12 ships in 24 hours
Water - 30 ships in 24 hours

32. It is hoped that it will be possible to attain these peak loads before the convoy assembly at Sydney is closed by ice.

33. Crew Trouble: In the spring of 1941 an inter-departmental committee on the general treatment of merchant seamen of all nations in Canada reported to the Government. One of its recommendations was a new Order-in-Council, known as the Merchant Seamen's Order, 1941, which gave power to deal with merchant seamen who refused to sail or were, by any other means, liable to cause delays to merchant ships. This order has now been in force for about four months and its effects have been extremely satisfactory - so much so, that the term "crew trouble" has almost been taken from our vocabulary.

34. Crew Shortages: To overcome this, the committee recommended the establishment of manning pools in the various ports of Canada. The first of these are nearing completion and it is hoped that they will have the effect of providing some reserve of seamen to make up crew shortages.

35. Merchant Seamen Generally: As a result of the committee's general recommendations, a special Merchant Seamen's Department has been set up in the Department of Transport and is controlled by the Director of Merchant Seamen. A senior R.C.N.R. Commander on his staff acts as Liaison Officer with the R.C.N.

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36. In addition to the general operation of manning pools, etc., the Director of Merchant Seamen is responsible for all welfare arrangements affecting merchant seamen and for the training of all merchant seamen in Canada. As a result of his efforts, very great progress has been made in the welfare arrangements available to merchant seamen at various Canadian ports.

37. The Director of Merchant Seamen is at the moment engaged in drawing up comprehensive schemes for the training of merchant seamen in Canada, since it is foreseen that a large number of men will be required to man ships now building in this country.

38. The Naval Control Service in Canada, which is, of course, vitally interested in merchant seamen generally, has evolved a scheme of Naval boarding parties who visit all merchant ships in port. These parties go on board ostensibly to search and look over the ships, see that they are fit for convoy, etc. In practice, this work is extended to mixing with the crews, taking them magazines, comforts, and so forth, with a view to giving them every assistance to make them feel that they are doing a "worth while" job and to obtain a gauge of the morale of each individual crew. Special boarding reports are kept on each ship and these reports, taken generally, give a very valuable and up-to-date picture of the general state and morale of merchant shipping, as well as much information of value from a general intelligence and security standpoint.

MERCHANTILE MOVEMENTS SECTION.

39. There has been continued expansion of the work of the Mercantile Movements Section, necessitating further increases in staff. Extension of duties undertaken include the following:

40. "Chatfold" System of Reporting: The system of reporting world-wide movements of United States shipping to N.S.H.Q. Ottawa for the information of the U.S. Navy Department is now in force and operating most successfully. A daily summary of movements is passed safe hand by N.S.H.Q. through the Assistant Canadian Naval Attache, Washington. Advantage is being taken of this system of reporting to pass messages from masters to owners or agents in the United States regarding ship requirements and future commitments.

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41. U.S. Ship Warrant Scheme: The United States ship warrant scheme, under which vessels of all nationalities require a warrant before being provided with facilities in United States ports, came into force 25th September. In order that British and Allied ships and ships under control of the Ministry of War Transport may not be delayed, all such shipping moving towards U.S. ports or possessions are being reported to the Ministry of War Transport representative, New York, who immediately applies for the necessary warrant, and despatches the warrant to the vessel in order to reach her at her destination on arrival.

42. "Topup" of Cargo at Halifax: Arrangements by which vessels loading at U.S.A. east coast ports, having available cargo space on departure for convoy assembly, are loaded to capacity at Halifax, have now been extended to vessels proceeding from the West Indies, South America and the Cape to Canadian convoy assembly ports. Information concerning cargo space available in tons and cubic space, capacity of ship's gear and port of discharge of main cargo is passed to N.S.H.Q. by the last port of call before entering the Ottawa area.

43. Routeing of U.S.S.R. Shipping: Routeing instructions have been extended to vessels of U.S.S.R. nationality, but N.C.S.O.'s have been instructed to use discretion in supplying such instructions due to the fact that some Russian masters are not conversant with the English language.

44. Bunkering of Vessels at Hampton Roads: Ships en route to Canadian convoy assembly ports from ports in the Gulf of Mexico, West Indies area, South America and the Cape now lift their major coal bunkering requirements at Hampton Roads in cases where large quantities are required.

CONTROL OF MERCHANT SHIPPING.

45. The number of ships sailing in mercantile convoys, both east and westbound, continues to increase. This is principally due to:

(a) Inclusion of ships of greater speed than previously;
(b) Discontinuance of convoys from Bermuda and Sierra Leone (Though there appears a tendency to revive the latter);

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(c) Increased routeing of ships from Australia, New Zealand and the Southern Orient via Panama instead of via Cape of Good Hope.

46. As regards (a), this has, of course, decreased the number of independent sailings.

47. The occasional sailing of a ship in convoy to Eire, long discontinued, is again noticed.

Routeing.

48. The increasingly multifarious nature of the sailing and routeing instructions continues to call for still more diligence and alertness on the part of N.C.S.O.'s and C.S.A.'s and their staffs.

49. Coinciding with the radical changes in the convoy escort system which have recently been, and continue to be developed, a more complete picture is now available of westbound shipping than was previously the case, when particulars of westbound convoy routes were not communicated by U.K. Authorities.

50. Except when westbound convoy diversions are not read, and for independent westbound shipping (the routes of which are still withheld), the positions of all merchant ships can be and are shown with a degree of accuracy limited only by ordinary navigational errors, time-lag, non-interception of such signals as are not addressed to Canadian shore authorities, and such delays in circulation of signals as are unavoidable.

Numbers Convoyed.

51. The following table shows the number of ships in mercantile convoys from the opening of hostilities to date:

Year	Month	Numbers convoyed from Eastern Ports	Bermuda
1939	September	63	
	October	98	
	November	161	
	December	213	
1940	January	193	
	February	199	
	March	290	
	April	272	156
	May	150	145
	June	222	136
	July	314	118
	August	331	91
	September	411	

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Year	Month	Numbers convoyed from Eastern Ports		Bermuda
1940	October	326		75
	November	326		50
	December	142		74
1941	January	285		100
	February	197		69
	March	286		39
	April	340		0
	May	272	Newfoundland	42
..	June	429	7	99
	July	369	11	16
x	August	591	24	--
	September	528	16	--
		7,008	58	1,210

x Subject to slight revision in next quarter's report.

Deadweight tonnage carried (excluding Newfoundland and Bermuda): 42,495,000.

Troop Convoys.

52. Troop convoys have sailed as follows:

T.C.12: 11,500 troops in DUCHESS OF YORK
STRATHNAVER
ORION
EMPRESS OF CANADA
STRATHMORE

T.C.12B: 4,687 troops in DOMINION MONARCH
STRATHEDEN
EMPRESS OF RUSSIA

ORBITA — sailed in HX 147 27th August carrying 1,525 troops.

EMPRESS OF ASIA — sailed in HX 150 16th September with 1,703 troops.

PASTEUR — sailed 19th September escorted with 3,626 troops.

STRATHEDEN — sailed Halifax 27th Sept. for South Africa with 1,482 service personnel ex WARWICH CASTLE.

LADY DRAKE & LADY RODNEY — used to transport relief troops between Canada, Newfoundland and Jamaica.

LADY DRAKE — sailed Quebec 11th Aug. and 21st Aug. for Newfoundland. Returned 10th Aug. and 26th Aug. to Quebec. Sailed Quebec 25th Sept. for Newfoundland returning

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to Quebec 30th Sept. 1,548 troops transported to Newfoundland. 1,572 troops transported from Newfoundland to Quebec.

LADY DRAKE — sailed Quebec 2nd Sept. for Jamaica with 513 troops. Sailed Jamaica 13th Sept. for Quebec with 474 troops.

LADY RODNEY — sailed Montreal 15th Aug. for Jamaica returning from Jamaica 30th Aug. Sailed Montreal 13th Sept. for Jamaica returning 29th Sept. 300 troops transported to Jamaica. 282 troops transported from Jamaica to Canada.

Total number of troops transported by both ships on all voyages: 4,689. - Corvette or destroyer escort.

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VII - DOCKYARDS

New Ship Construction

Contracts Awarded

1. The contracts for the ten 283' corvettes have not awarded to date, but will be in the near future.

2. Contracts for ten harbour patrol craft were let. Four are being built at LeBlanc Shipbuilding Co., Weymouth, N.S. and three each by the Dartmouth Lumber Co., Dartmouth, N.S. and Thompson Brothers Machinery Co., Liverpool, N.S.

3. Twenty-five in number harbour utility boats - 46' - were awarded to five East Coast firms.

Progress in New Construction

4. The first Tribal Destroyer building England for the R.C.N. was launched September 23rd. The keel of the third Tribal has been laid down.

5. The keels were laid for seven Bangor minesweepers, four at the Dufferin Shipbuilding Co. and three at Port Arthur Shipbuilding Co.

6. Eight of the 190' corvettes, four revised corvettes, five steam minesweepers and nine Fairmiles were launched.

7. Two concrete gate vessels and five of the patrol vessels (seine type) were launched within the quarter.

8. The two 105' wooden towing vessels are now framed and the outside planking is being placed.

9. Twelve of the 190' corvettes and 11 of the Bangor minesweepers were accepted during the past three months.

10. The Diesel minesweepers have been delayed by the non-delivery of engines by the Dominion Engineering Works, Montreal. The first engine has been erected, but has not yet passed acceptance trials.

11. One of the 70' M.T.B.'s has been provisionally accepted and is at Halifax carrying out armament trials. The contract has

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now been assigned to Admiralty for these 12 boats.

12. Progress in the Fairmile programme has improved to the extent that 22 of the 24 vessels in the 1940-41 programme will be delivered. One Fairmile has completed successful trials at Toronto.

13. The harbour patrol boats have been delayed by the slow delivery of engines, but a number will be in service within a month. The two self-propelled ammunition lighters are progressing favourably.

14. The first section of the new floating dry dock has been launched.

Repair Bases

15. Major refits were carried out on H.M.C. ships, OTTAWA, ST. FRANCIS, RESTIGOUCHE, PRINCE ROBERT and PRINCE HENRY. H.M.C. ships ST. CLAIR and HAMILTON are now completing their refits. Refits as required were made to corvettes and various auxiliary vessels.

16. Both H.M.C. dockyards were occupied to capacity during the quarter. Repairs were also carried out for H.M. ships and Canadian boats operating under other Government departments.

17. Repairs were carried out, under R.C.N. supervision, to R.N. Ships at ST. John, N.B. and R.C.N. Ships at Pictou, Liverpool and Sydney, N.S. and Quebec, P.Q.

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VIII - SUPPLY

Naval Stores and Fuel

1. Supplies of fuel oil for ships and auxiliary vessels based on Halifax, Sydney, Gaspe, Montreal and Quebec are being arranged for the fiscal year 1941-42 through contracts and negotiations with the Imperial Oil Limited and other companies. Contracts for bunker coal at Halifax, Sydney, Saint John, Esquimalt and other ports of call on the Eastern and Western Coasts are also being arranged in this manner for the same period.

2. The new 6,000 bbl. Diesel fuel oil tank at Gaspe has been completed. The tank has been filled.

3. The filling of the rented 25,000 bbl. fuel oil tank at Sydney, N.S. has been made.

4. A contract was placed for the erection of a 35,000 bbl. tank at Shelburne, N.S.

5. Supply of fuel oil for the naval tanks built at Esquimalt last year has been arranged.

6. Arrangements for fuel oil requirements at Prince Rupert have been completed.

7. Suitable sites for erection of naval fuel oil tanks at Sydney, Dartmouth, N.S. and McNabs Island, Halifax have been selected and work has commenced.

8. Arrangements are being made to provide spares for the types of echo sounding equipments in R.C.N. ships.

9. A large quantity of wireless equipment (transmitters, receivers, etc.) has been ordered and a large proportion received and installed. Standard sets have been devised and will be fitted in all ships of new construction.

10. Steps have been taken to provide necessary spares for the various types of equipment which will be held in Halifax and Esquimalt dockyards. Three powerful transmitters are on order to supplement the present instruments in the Naval shore establishments at Halifax, Ottawa and Esquimalt.

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11. Auxiliary bases and outports have been established at Sydney, Gaspe, Quebec, Montreal, Saint John and Shelburne, and the provision of stores to these points for issue to various auxiliary vessels under these commands is in hand.

12. Action has been initiated towards the formation of pools of service pulling and sailing boats at Saint John's, Nfld. and Halifax.

13. Procurement has been arranged for first fitting and base stores for Fairmiles. Also first fitting stores for 105 foot towing vessels and R.N. 105 foot minesweepers.

14. Special reserves of boiler and condenser tubes, brass and copper tubing, bars, sheets, etc. are being arranged.

Victualling Stores.

15. Procurement of victualling stores has been carried out satisfactorily.

16. Deliveries of materials from the woollen mills have been satisfactory and no hardship has been experienced in obtaining ample cloth for uniforms, caps, coats, etc., but, following a survey of production facilities across the Dominion, it has been considered wise to anticipate our requirements for approximately nine months in advance for both cotton and woollen fabrics.

17. With regard to supplies for victualling, with a possible exception of salmon, tea and evaporated milk, little difficulty has been experienced in satisfactory deliveries of all provisions.

18. Owing to the heavy demands for shipments of food and canned goods of different kinds to Great Britain, substitutions such as Canadian herring and pilchards in lieu of salmon are being considered.

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IX - NAVAL ARMAMENT

1. Quantities of ammunition in small consignments have been received during the last quarter, including supercharges and heavier shells for the equipment of armed merchant cruisers, to give these ships greater range and heavier striking power in conformity with similar changes to British ships of the same class.

2. Supplies of .5 ammunition for Colt A/A machine guns are being received from the United States of America although these have not yet come up to the schedule. .303 inch ammunition has been supplied and requirements in respect to this type is generally satisfactory.

3. The first depth charges made in Canada have been delivered. Canadian and British requirements are being met collectively and deliveries are being made according to plans drawn up in conjunction with the British Admiralty in such a manner as will satisfactorily meet the immediate needs of the Royal Canadian Navy.

4. 4" B.L. guns for corvettes, 3 inch and 12 pounders for minesweepers continue to be delivered for mounting as these vessels are completed.

5. Of 34 Q.F. 3 pdr. guns for Fairmile motor boats on order ex United States Navy 27 have been received.

6. Colt machine guns .5 inch anti-aircraft being obtained in the United States continue to arrive and are mounted as received. A total of 338 have now been delivered.

7. For mounting on the improved type of corvettes orders have been placed for 20 - Q.F. 4 inch Mk.V C gun with an additional four for replacements. The Q.F. 2 pounder Mk.VIII anti-aircraft guns on order have been increased from 133 to 153 to provide for these same ships.

8. All 9.5" depth charge throwers required for present have now been manufactured and delivered. These weapons, totaling 460, were made in Canada and have proved satisfactory in trials.

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2. For the first four motor torpedo boats equipped 20 - torpedoes 18 inch have been prepared and modified from aircraft type for use in these boats. Of these, eight torpedoes will be carried on board, and the remaining 12 will constitute a reserve and will accompany the boats to their base.

10. To equip the remaining eight boats now approaching completion 48- torpedoes 21 inch Mk. IV are being modified.

11. Motor torpedo boats are equipped with 2 Elco power worked turrets each carrying two aircooled .5 inch Colt machine guns. This is a change of armament, inasmuch as it was previously arranged that water cooled guns would be mounted.

12. In the Joint Service Magazines at Halifax an additional garage for the housing of tractors and trucks is in course of construction. Plans and specifications for the erection of a wooden building, to be erected on a site selected outside the magazine area, for stowage of empty ammunition boxes and containers are in course of preparation.

13. Considerable paving of roads has still to be carried out. This work is being proceeded with.

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MERCANTILE DEFENSIVE EQUIPMENT

Defensively Equipped Merchant Ships

14. D.E.M.S. inspections have been carried out in ports throughout Canada as follows:-

HALIFAX	919
SYDNEY	404
SAINT JOHN N.B.	29
MONTREAL	301
QUEBEC	44
ESQUIMALT	20

15. Armament has been provided to 51 vessels of which 42 were completed in Halifax, five in Sydney and four in Montreal. Particulars are as follows:-

Name of Ship	Registry	Where Armed	Armament
JEAN JADOT	Belgian	Halifax	4" Gun
CHR. KNUDSEN	Norwegian	"	"
MERCER	British	"	"
BANGU	British	"	"
CLEARTON	British	"	"
ARUBA	Dutch	"	"
TAI YANG	Norwegian	"	"
OCANA	Dutch	"	"
MIRLO	Norwegian	"	"
THORSHOVDI	Norwegian	"	"
MALVINA	Dutch	"	"
BONNEVILLO	Norwegian	"	"
SOLITAIRE	Norwegian	"	"
SEGUNDO	Norwegian	"	"
STEAUA ROMANA	British	"	"
BRALANTA	Norwegian	"	"

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Name of Ship	Registry	Where Armed	Armament
THORSHAMMER	Norwegian	Halifax	4" Gun
BERURY	British	"	"
HERBRAND	Norwegian	"	"
GEFION	Norwegian	"	"
KOLLBJORG	Norwegian	"	"
ARISTOPHANES	Norwegian	"	"
DAGHILD	Norwegian	"	"
DEAN EMERY	British	"	"
ASKILD	Norwegian	"	3" Gun
ARTEMIS	British	"	"
HAVKONG	Norwegian	"	"
MARIJA PETRINOVIC	Br.ex Yugoslav	"	"
SILJESTAD	Norwegian	"	"
RANJA	Norwegian	"	"
HIGHO	British	"	"
NEMANJA	Br.ex Yugoslav	"	"
LYNHAUG	Norwegian	"	"
BLINK	Norwegian	"	"
NORSE LADY	Norwegian	"	"
IVAN TOPIC	Br.ex Yugoslav	"	"
SLEMMESTAD	Norwegian	"	"
GLITTRE	Norwegian	"	"
ADA	Norwegian	"	"
BJERKA	Norwegian	"	"
RIE VERDE	Norwegian	"	"
MELINE	Norwegian	"	"

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Name of Ship	Registry	Where Armed	Armament
ACASTA	Norwegian	Sydney	3" Gun
SELBO	Norwegian	"	"
GUNVOR MAERSK	British	"	"
FREDERIKO GLAVIC	British	"	"
SAVA	British	"	"
VICTOLITE	Canadian	Montreal	3" Gun
FAGERSTEN	Norwegian	"	"
NOVASLIE	Norwegian	"	"
LAGO	Norwegian	"	"

16. An improvement has taken place in the scale of armament available for merchant ships since the last quarterly report, with more equipment available. The only noteworthy shortage at present in Canada is the supply of machine guns for A.A. defence, as beyond the military machine gunners with Lewis guns there are only Colt machine guns available, and the latter is restricted by the rate of production of the mountings.

17. Military D.E.M.S. gunners are now being supplied to Allied ships when bound for the United Kingdom.

18. The manufacture of plastic armour has been commenced on the West Coast, and this will be extended to the East Coast very shortly. Tests carried out to determine the correct stone have proved to be very satisfactory.

19. A D.E.M.S. staff has been established in New York and is functioning with the British Ministry of War Transport.

20. A training school for the purpose of instructing D.E.M.S. personnel in the use of various arms is in operation at Halifax and preparations are proceeding to establish similar schools in other ports.

21. The D.E.M.S. organization will supervise the fitting of defensive equipment in ships now building in Canadian yards for both Canadian and United Kingdom account.

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X - TECHNICAL DEVELOPMENT.

1. Magnetic Minesweeping: All detailed drawings in connection with the fitting of "LL" gear in Bangor class minesweepers have been completed, and demands have been passed to D.N.S. for the purchase of items not available from dockyard stores.

2. The bulkheads to form the battery rooms, and the necessary access scuttles, the battery supporting brackets, ventilating ducts, also the supports for the turbo-generators are being installed in the shipyards. The first shipment of turbo-generators is not expected until late December, 1941, or early January 1942.

3. Drawings showing details of ventilation and supporting structure for the battery rooms in the 105 ft. wooden minesweepers are 75% completed.

4. "ROSS NORMAN" has been completed and put in service as a mobile deperming unit.

5. Acoustic Minesweeping: Parts for assembling S/A gear Type A (hammer box) have been demanded, but there has been some delay in getting orders placed. Two complete units are on demand as an educational order.

6. Controlled Minefield: Additional spare mine loops have been received from England, and supplies of Canadian made cable have been delivered. There has been some difficulty in getting suitable cable jointing materials, but a method of vulcanising the splices has been adopted which is very effective.

7. Oropesa Minesweeping: In view of new developments in minelaying by the enemy, the whole question of sweeping moored mines has had to be reviewed and a new appreciation of the situation prepared.

8. Metallurgical Laboratory: A number of special investigations and tests have been made for the R.C.N. and reports submitted. The inter-service liaison with the Department of Mines and Resources is working smoothly and without any unnecessary delays.

9. Chemical Warfare: The Inter-Service Advisory Board on Chemical Warfare Experimental and Development Work has now been formed under an Order in Council. Meetings are held regularly at least once a month.

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10. An experimental field for chemical warfare research, near Medicine Hat, Alta., has been established jointly by the Canadian and Imperial Governments. The erection of buildings and construction of air field runways are nearing completion. Most of the permanent staff is on the ground, and experimental work is already in hand.

11. Controlled Floodlighting of Ships: A considerable amount of development work has been done in Canada and U.S.A. An experimental installation, including automatic control, has been fitted on one corvette. Trials indicate that the scheme is entirely practical but its operational value has to be determined. Development is continuing in U.S.A. leading to the installation of equipment on large merchant ships and liners.

ANTI-SUBMARINE.

Personnel.

12. Officers: The number of Executive and Special Branch officers allocated for A/S work is now 56, with seven more in training at the A/S School. These officers are engaged in a variety of duties as follows:-

(i) H.Q. administration.
(ii) Supervision; inspection and equipment control at the Equipment Division.
(iii) Instruction at A/S schools.
(iv) Installation of Canadian manufactured equipment of A/S sets, types 123A, 128 and 134A in corvettes, minesweepers and Fairmiles.
(v) Maintenance of all types of A/S gear in ships docking at East Coast and West Coast Canadian ports.
(vi) Installation and maintenance of H.D.A. and indicator loop equipment at Halifax and other fixed defence areas.
(vii) In operational work as A/S group control officers serving afloat.

13. There has been a change in policy concerning A/S group maintenance officers serving afloat, as extreme difficulty is encountered in transferring a party from one ship to another, in all but the smoothest water, for A/S repair work. Consequently, it is intended to concentrate on the training of A/S group control officers with a technical background.

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14. Ratings: The A/S branch has at this time 27 electrical artificers engaged in installation, maintenance and testing of A/S equipment. The enrolling of these ratings is continuing as they perform a very useful duty, and at a later date can be used to maintain and install both R.D.F. and Asdic gear.

15. Due to rapid installation of A/S gear, 85 H.S.D. ratings and 302 S.Ds are now required to man H.M.C. ships. Against these minimum requirements, there are 51 H.S.D. and 446 S.D. ratings available.

16. Classes are continuing at the University of Toronto from which approximately 30 probationary S.D. ratings are obtained every three months. To date, 100 ratings have completed courses and are undergoing further training as S.Ds.

17. Recruiting from technical schools is to be hastened.

A/S Schools.

18. Halifax: Since the last quarterly report the school has received a mass procedure teacher. This unit will be completely installed as soon as the instruction books arrive from the Admiralty. A mobile training unit No.2 which houses a corvette type attack teacher, was sent to Halifax from the Admiralty, and is in constant use in the gymnasium.

19. An addition is now being made to the A/S School above the shipwrights' shop adjacent to it. The school is badly overcrowded and the extra space is necessary until the combined R.D.F, Signal and A/S School is completed in 1942.

20. Esquimalt: A mass procedure teacher and an attack teacher have arrived at Esquimalt. Preparations are now under way to install this training gear.

21. St. John's, Newfoundland: An M.T.U. 11, which is a destroyer type attack teacher, has been shipped to St. John's for use in training destroyer crews. The arrival of this training equipment will greatly assist in producing A/S ratings as soon as it is installed. The installation of A/S sets, types 123A, 128 and 134A will continue until each school has a complete set installed for training purposes. Each school has an echo sounder MS. XIIC installed, which is used to train operators and maintenance crews.

22. Manufacture of A/S Gear in Canada: The rate of production of the A/S sets, types 123A 128 and 134A,

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has been quite satisfactory up to this date. However, questions of priority have recently interfered with the production of the type 134A oscillator domes. This is serious for two reasons:-

(i) The installation of this gear in Fairmiles now building will be delayed.

(ii) The supply of the type 134A sets to the Royal Netherlands Navy, promised for delivery by early September, has also been delayed.

23. There has been a re-allocation of manufacture of this component to another firm, with a subsequent delay in production.

24. Several reports were forwarded from the Commanding Officer Atlantic Coast concerning the quality of Canadian manufactured A/S gear. A conference was held at the Equipment Division, those present including representatives from the manufacturers, the Equipment Division and from Halifax Maintenance Base, and it was ascertained that there were no outstanding faults in any of the equipment.

25. Canadian Ships Equipped with Asdics.

Type of Ship	A/S Set	No.
"River" Class Destroyers	124	6
"Town" " "	-	7
Corvettes	123A	48
Minesweepers	128	10
Auxiliary Vessels	123 & 123A	14
Fairmiles	134A	1
Gate Vessels	135	6.

26. Installation of A/S gear in ships building on inland lakes and rivers is being rushed to ensure that the sets will be complete if and when the ships leave for Halifax.

27. The R.C.N. has developed a system for shipping and unshipping type 134A domes. This method was first attempted on the first Fairmile to be fitted in Toronto and it proved very successful.

Fixed Defence Stations.

28. Halifax H.D.A. and Loop Station: The laying of the second indicator loop was commenced at Camperdown Station on July 7th by the cable ship "SANKATY". Considerable difficulty was encountered in joining the cable or loop lengths, resulting in a representative of Canada Wire and Cable Co. instructing the ratings involved. The last report on this

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station gives the following information:-

(i) Three indicator loops have been laid with tail cables and connected to the instrument room in the Control Station.

(ii) Tail cables for the H.D.As have been laid and it is anticipated that both sea units have been dropped in place at this time.

(iii) The link hut is complete and shore cables have been laid; covered and connected to the tail cables in the sea.

(iv) The generator hut is wired up; control panels mounted; the A.C. power supplied, and at the time of writing of this report, the station will be in full operation.

29. Sydney H.D.A. Station: The buildings for this station are now completely finished, and the delivery of the H.D.A. equipment from Halifax has been under way for some time. An officer and necessary ratings of the H.D.A. installation staff have commenced installation, but S. A/S does not expect to complete this station before the winter and will not install the sea unit. In any case the flow of drift ice would prevent the leaving of the sea unit in place during the winter season, thus making the laying of the sea unit for such a short time impractical.

30. Botwood H.D.A. & "Sono" Buoy Station: As stated in the last report, the control and receiving apparatus for the H.D.As will be housed in buildings provided by the Army at Wiseman Head Battery.

31. S. A/S has now been informed that accommodation and control buildings are now available at this site. The diesel generators, provided by Navy in exchange for housing of personnel and equipment, are now ready for shipment. The Admiralty has indicated that the H.D.A. equipment is being shipped piecement, but none as yet has arrived. The "Sono" buoys intended for use at this station are not yet available, and some confusion exists as to the correct procedure in obtaining them from the United States Navy. Action has now been taken through the U.S. Naval Attache, to clarify this situation.

32. The 40 ft. attendance vessel for the buoys was shipped to Halifax in July, and will be sent to Botwood when required.

33. At this time it does not appear possible to complete the station before the harbour is closed.

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Maintenance Bases.

34. Equipment: The A/S maintenance bases at Halifax, Sydney, St. John's, Gaspe, and Esquimalt have been supplied with adequate spares for the type 123A sets in the corvettes and auxiliary vessels operating out from them. Spares for the type 128 set in the minesweepers are now being shipped to the above bases in large quantities.

35. Type 134A spares have not yet been shipped, for there is only one Fairmile fitted with this set. Disposition of spares can be made when the Fairmiles are allocated to their bases.

36. Personnel: Maintenance officers and ratings are provided at each base and further personnel are constantly being trained at the A/S School, Halifax.

General.

37. F.Q. Device: Trials of a new short range A/S detector called the "F.Q." Device have taken place at Halifax. The preliminary trials showed promise, but when the gear was tested in rough weather, the results were very disappointing. Scientists witnessing the trials were of the opinion that no further trials were worth while, until drastic improvements have been made to the F.Q. detector.

R. D. F.

38. Production: The production of 200 type SW-1C R.D.F. sets for the R.C.N. is now in progress at Research Enterprises Limited. An additional 50 are being produced for B.A.T.M. and B.A.R.M. under our supervision. Considerable difficulty in procuring components has delayed delivery. To overcome this disability sets supplied to the R.C.N. to date have been to some extent hand-made. H.M.C. Corvettes "BADDECK", "SHERBROOKE", "RIMOUSKI" and "SPIKENARD" have been fully equipped. H.M.C. Corvettes "BATTLEFORD", "NANAIMO", "CAMROSE" and H.M.C. (A.M.C's) "PRINCE DAVID" and "PRINCE ROBERT" are now in process of being equipped. Twelve additional ships should be fitted by Nov. 15th.

39. Briefly, the standard SW-1C R.D.F. comprises the R.D.F. transmitter, and receiver with an antenna of copper tubing, fitted at the head of a steel tube which, in turn, is mounted vertically along the mast in guide bearings. The tube is rotated by a horizontal steel shaft connected to a sprocket and chain reduction gear

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which, in turn, is rotated with a hand-wheel mounted in the R.D.F. office. Bearings are taken with an accuracy of plus or minus 5 degrees, and ranges are read off accurately to plus or minus 150 yds. up to a range of 18,000yds. The maximum range is 20 miles.

40. A steady supply of motor generators to supply power for the SW-1C is now assured. Considerable difficulty was met in obtaining sufficient quantity of oil-pumped nitrogen gas with cylinders and gauges to supply our demands. A steady supply is now assured.

41. Additional personnel for shipfitting are being trained in Halifax in order that the fitting of our ships may be greatly accelerated towards the end of October. 20 sets per month are to be delivered at that time.

42. A shipfitting party comprising one officer and ratings is now established at St. John's, Newfoundland, to maintain ships fitted with Canadian R.D.F. and to complete the fitting of ships partly equipped at Halifax.

43. Tests have been carried out on an automatic "Panoramic" receiver to be used for detection of enemy R.D.F. signals. Development of suitable antennae for our ships is now in progress. It is intended to fit each ship on escort duty with this device in order that she may be aware that the enemy is in the vicinity and, whenever possible, to take aggressive action. This receiver will also allow ships to make full use of R.D.F. beacons being established in important harbours.

44. Surveys have been made and buildings are now being erected at Gaspe and Saint John, N.B., for the installation of R.D.F. to furnish warning of the movements of all ships approaching the harbour. Initial arrangements have been made to install this same type of warning R.D.F. at Shelburne and Sydney, N.S., to be followed by installations on the west coast. The warning R.D.F. at Halifax continues to function normally.

45. Personnel: The R.D.F. Branch now comprises 11 officers, of which two are employed in R.D.F. instruction and supervision at Halifax, one on maintenance of the type 286, two on installation at Halifax, one on installation and maintenance at St. John's, Newfoundland, three on shipfitting at other places other than St. John's and Halifax, one on factory liaison duties, one under instruction at the National Research Council, and one as R.D.F. Officer at Headquarters. In addition eight electrical art-

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ificers, third and fourth class, are employed at the National Research Council under instruction and assisting in the construction of gun-laying R.D.F. These E.A's will be distributed, as required, to work in shipfitting parties. Five E.A's are employed at Halifax and St. John's and an indeterminate number of R.D.F. ratings are employed in assisting in R.D.F. installation, these ratings being in general those assigned as R.D.F. operators in the ships being fitted.

46. The Practical Training Building established at Hill 100, Herring Cove, is in constant use to train ratings as R.D.F. operators. In addition, officers of ships being fitted with R.D.F. are given instruction so that they may make the best use of the equipment.

47. Liaison: Constant liaison is maintained at Headquarters through the R.D.F. Interservices Committee between the three Services. Considerable economy in production has already resulted from the operation of this Committee. The Interservices Committee has also been able to keep a control on R.D.F. frequencies, close attention being paid to allocations in Great Britain and the United States. The object is to avoid conflict between R.D.F. sets used by the Army, Navy and Air Force in the British, American and Canadian Services, and to arrange that where equipments will be used for similar services by different military groups, the frequencies to be used will be uniform. The Interservices Committee is also making recommendations to improve the collection and dissemination of information on R.D.F. from American and British sources.

48. General: Now that the first practical Canadian ship R.D.F. is in production, the N.R.C. is bending every effort to develop for R.C.N. an improved R.D.F. Already such a set has been developed for the Army (for A.A. use). It has been arranged that this improved R.D.F. for the R.C.N. (which will have rangefinding characteristics equal to the best now employed by the Admiralty) will use the same component parts as will be used in the Army gun-laying R.D.F. This plan reduces the development period and permits maximum economy in production.

49. Arrangements are being made to install R.D.F. beacons at Halifax, St. John's, Sydney and Shelburne. With the "Panoramic" receiver aboard our ships, this will provide the most modern means of assisting navigation in approaches to the harbour. This aid will be of particular value during the winter months.

50. A total of 30 sub. lieutenants (S.B.), R.C.N.V.R., have been sent to England for service with the Admiralty. Fifteen of these

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officers were given a course of several weeks in practical R.D.F. at the N.R.C. before taking passage for Britain.

51. Development of suitable antenna gear for Fairmiles, minesweepers and town class destroyers is well advanced. It will be possible to equip all these types of ships in the near future.

52. Two R.D.F. officers have been loaned to the British Admiralty Repair Mission for fitting and maintaining R.D.F. in British ships in the United States.

SCIENTIFIC RESEARCH & EXPERIMENT DIVISION.

53. The Scientific Research and Experiment Division, R.C.N. have taken in hand or completed the investigation of the following Naval projects during the last quarter:

54. Indicator Loops: Trials were conducted substituting a standard model General Electric photo-electric fluxmeter for the Admiralty fluxmeter, as recording instrument for the Indicator Loop Installation at Halifax. It was found that the sensitivity of the General Electric instrument was far below that of the British type. An improved model of the General Electric instrument is now in production in the United States, and it is expected one will be available to the S.R.E.D. in December for further tests along this line.

55. Submarine Detection, Close Range: The S.R.E.D. have completed the construction of a highly sensitive magnetometer. Preliminary tests have already been made with the equipment installed on H.M.C.S. "KAMLOOPS". It has been determined that the sensitivity is too high for practical use and that the set is also subject to variations in reading due to the roll and heading of the ship. In this regard compensation has been applied and an improvement over the U.S. "F.Q." device obtained. This work is in the preliminary stage only, and no complete report on its performance can be rendered at present.

56. Asdic Recorder Paper - Non-Freezing: The impregnation of standard A/S recorder paper with suitable non-freezing mixtures has been accomplished, with slight reduction in the current sensitivity of the paper. A new line of attack to this problem is under investigation in an attempt to produce a dry type of

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paper, not subject to deterioration on exposure to the atmosphere.

57. Acoustic Minesweeping: Numerous tests have been carried out in the water channel and in Halifax Harbour, on structural variations of the M.I.T. parallel pipe noise-producer. This equipment was designed for the sweeping of acoustic mines, and is of more simple construction than the Kango-hammer in that its motive power is derived from its motion through the water.

58. Acoustic Range: The importance of obtaining more information concerning the acoustic signatures of ships is indicated by the increasing use of acoustic mines by the enemy. The degaussing range at Halifax is considered to be most valuable in this regard, since microphones may be placed alongside each range coil and the acoustic signature of the ship obtained during magnetic ranging. The advantage lies in the fact that the range coils show the exact location of the ship with respect to the microphones, and no further measurements are required to plot the acoustic signature. Temporary microphones have been installed for this purpose and preliminary tests are under way, until more suitable equipment for this purpose can be obtained.

59. A/S Research: O.L. gear for checking Asdic transmission levels has been obtained from the U.S. Navy on loan, and is now in use at Halifax.

60. Diffusion Lighting: Considerable development has taken place in the improvement of light units and method of control. In collaboration with the General Electric Company, who are working along similar lines in the United States, a more efficient light source has been produced. The automatic illumination control unit constructed in the physics laboratory performed in a satisfactory manner during recent trials.

61. Optical Station Keeper: The first models of the double, pierced wedge station keeper were unsatisfactory due to mechanical faults. These defects have been overcome, and one unit is now undergoing calibration for service trials. Construction of the glass bar base range finder type has been delayed due to lack of staff, but is now under way.

62. Ear Defenders: To evaluate the effectiveness of gun-blast ear defenders available on the market, an artificial head and ear with associated microphone and sound level manoeuvring equipment, was constructed in the laboratory for comparison tests. All types tested

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were very similar in attenuation characteristics, the cheaper ones being about equally effective as the more expensive types. Those available on the market are not considered entirely satisfactory due to their high attenuation of normal speech. A design has been prepared for a compact, insertable type of ear defender arranged to permit conversation at normal speech levels, but capable of highly attenuating any sudden high level noise from gun-fire. If warranted, samples for service tests can readily be produced.

63. D/G Cable Fault Locator: The Halifax staff have developed a portable type of potentiometer set for locating D/G cable faults. Satisfactory results have been obtained in locating faults to ground and short circuited turns. The use of ordinary loop and other bridge circuits presents considerable difficulty in the location of faults of this nature and the new equipment represents considerable improvement over such methods.

64. Laboratory work continues on the design of another type of fault locator. This instrument will be arranged to clip over the degaussing cable and will be actuated by the magnetic flux produced by the current in the cable. Progress on this instrument has been retarded by difficulty in obtaining suitable magnetic materials necessary for its satisfactory operation.

65. Magnetic Minesweeping: The LL sweep gear designed by the Electrical Department has been in successful operation for some time. An increase in station-keeping distance between ships resulted in occasional faulty operation of the slave gear, necessitating some modification to the original set-up. A member of the Electrical Engineering staff has been stationed in Halifax to supervise the operation of the equipment and to make any adjustments necessary.

66. The Electrical Engineering staff has commenced work on the design of steam electric flywheel generator equipment and associated control gear for use in future LL sweeps of greater versatility than existing battery sweeps.

67. Test Machine - High Acceleration: Electrical components constructed in Canada for installation in H.M.C. ships are not subjected to high-acceleration tests during or after manufacture. The requirements for successful service operation have necessitated construction of equipment suitable for making such tests, and the Mechanical and Electrical Divisions are co-operating in the re-designing for Canadian manufacture of the Admiralty type of test machine.

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68. Torpedo Velocities: M.T.B. torpedo trials at Canadian Power Boat Company in Montreal were recorded photographically for the computation of torpedo discharge velocities. The method, though simple, proved to be quite effective in determining the optimum charge required for satisfactory discharge of the torpedo.

69. Special Radio Devices: The Physics and Radio Divisions are collaborating in the necessary experimental work on construction of special radio equipment for the Foreign Intelligence Section.

70. Proximity Fuse: The Physics Division of the University of Toronto, working as a unit of the S.R.E.D., are experimenting along parallel lines to those of the N.D.R.C. in the U.S. on development of various types of proximity fuse. This work is considered to be of such an important nature that it is considered advisable that scientists in Canada be fully cognizant of all developments in the U.S. and the U.K. so that immediate manufacture would be facilitated as soon as a workable unit is produced in the laboratory.

71. Plastic Armour: The production of plastic armour for merchant ship installation is now under way in Canada. Considerable experimental work was necessary to determine the types of rock suitable for the purpose and to locate sources of supply conveniently located near the manufacturers. Numerous test slabs were built up, using rocks obtained from widely separated districts, and subjected to test for penetration with armour piercing ammunition. Research along these lines is continuing, in an endeavour to produce a lighter material suitable for use on small warcraft as a substitute for armour plate on the bridge and around A.A. gun positions.

72. Plastic Compound: Plastic compound tests are continuing with the compounding of additional batches utilizing resins readily available. No adequate Canadian source of supply of a cable gland packing compound is so far available, and the tests have been for the purpose of producing satisfactory material, using components easily obtainable in Canada.

73. Cellular Material: The scarcity of cork and balsa wood is responsible for the instigation of research into methods of constructing substitute materials, for application to life rafts and floats of a similar nature. The problem is one of constructing a material of very low specific gravity and high strength, composed of non-intercommunicating cells. Efforts are now concentrated along the general line of suitably embossing, or forming paper or paper pulp in sheets

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which may be impregnated with a resin to give the required strength and resistance to water, and to be so constructed that the sheets when stacked produce a uniform mass of closed cells. Equipment is under construction in the laboratory for the production of samples of a size suitable for strength and water absorption tests.

74. Condensed Rations: Considerable work has been done on the production of concentrated food as an emergency ration to represent a balanced diet, not subject to spoilage over long periods of time. Samples are being made up in the laboratory, moulded in bar form and divided into sections, each of which would represent a day's ration for one man. A sufficient quantity of such concentrated food might readily be put up in water-tight containers as emergency rations for Carley floats, life boats, etc.. It is stated that no ill effects would be experienced through the use of this food over a period of 30 days.

75. Canvas Treatment: Three samples of awning canvas have now been treated with different types of preservatives, and are to be tried out for a period of six months in service, along with untreated canvas, to assess the relative values of the treatments employed. At the end of the test period, all samples will be returned to the S.R.E.D. for examination.

76. Non-slip Linoleum: The Chemistry Division, in co-operation with linoleum manufacturers, have succeeded in developing a non-slip steel deck covering, similar to Semdec, specified by the Admiralty. Two manufacturers are supplying a quantity of their product for trial under service conditions aboard ship.

77. A. R. P: To demonstrate the action of incendiary bombs and incendiary fire-fighting methods, the metallurgical laboratory is producing 50 practice bombs to be used for the instruction of A.R.P. personnel at Halifax. Six of these bombs, equipped with slow-burning ignition fuses have already been completed and the remainder will be supplied in small lots as rapidly as they can be produced in the laboratory.

78. Moulded Wood Veneer Boats: A quarter-scale model of a 16' dinghy has been built up in the structures laboratory to demonstrate the possibilities of this type of construction for application to small service craft. With suitable alterations in the design of standard craft to adopt this method in a practical manner, it is evident that very strong and simple boats could be mass-produced by relatively unskilled personnel.

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79. Non-skid Soles: Rubber knee boots equipped with the Miner Rubber Company zig-zag non-slip sole have undergone complete tests and have been recommended for adoption as a service boot.

80. Miscellaneous Investigations and Tests: The electrical engineering staff have supervised the conversion of three spare Diesel-Electric LL battery sweep generators for shore service at Botwood, Nfld. Each unit will deliver 220 volts at 140 amperes and two units are to be operated in parallel as a joint power supply for Army and Navy at this station.

81. Test of air pressure separator columns at 5,000 lbs. per square inch has been undertaken by the Chemistry Division.

82. Following adaption in the U.K. of Nylon cord for captive balloon anchor cable, tests are being carried out by the Chemistry Division to determine the suitability of Nylon cord manufactured in Canada, as a substitute for steel kite anchor wire. Other things being equal, the Nylon cord affords a considerable saving in weight over that of steel wire.

83. Recommendations have been made for the permanent installation in M.T.B.'s and Fairmiles of combustible gas detector units. Equipment is available on the market designed to continuously sample the atmosphere from two sections of the boat, e.g. fuel tank compartment and engine room. A portable type of combustible gas indicator on the market has been tested for accuracy of calibration when used for the detection of petroleum products. The utility of this device lies in the capability of rapid examination of fuel oil and gasoline tanks for freedom from explosive mixtures, to ensure safety in performing welding operations or internal examinations of the tanks.

84. Incorporation of carbon dioxide inflating units in the design of approved pattern life belts has been undertaken with the co-operation of the manufacturers. One company has produced such a lifebelt, arranged to hold two carbon dioxide soda siphon bottles in suitable holders, with triggering device. The use of two bottles is considered advisable as a safety measure, since the shelf life of the bottles has not been exactly determined. An additional safety measure will be the construction of a lifebelt with two separate compartments, each connected to its own inflater bottle.

85. Twelve heavy woollen socks, treated at the toe and heel with plastic cellulose ether impregnation as a wear preventative, have

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been issued from Stores for wear-comparison trials, as against untreated socks.

86. An investigation has been made on the subject of lubricating oil reclamation to determine the advisability of the use of such equipment by the R.C.N. One type of small scale oil reclamation plant has been purchased by the Army, and is to be tested in collaboration with the Petroleum Committee. It has been considered advisable to postpone the procurement of such equipment for the R.C.N. until results of the Army tests are known.

87. Recommendations have been made for the use of Stearnson special infra-red camouflage paint in place of ordinary camouflage paints on the extended defence buildings at Halifax. The paint has the property of reflecting infra-red light, and structures so painted blend in with surrounding foliage in summer time when photographed with infra-red equipment. Ordinary paints examined in this manner usually appear black against the background.

88. A simplified type of magnetostriction short-range Asdic constructed by the University of Toronto Physics Division was investigated. In view of the success obtained so far with magnetic type detectors it has been considered inadvisable to continue work on this project for the time being.

89. A large number of inventions have been examined for the possibility of Naval application. It is increasingly evident that the more capable designers are not submitting ideas for examination.

BOOM DEFENCE

90. The Boom Defence Division, in common with other Departments of the Naval Service, has greatly expanded in the last six months. This Division is responsible for the laying and maintaining of all the booms in Canada and Newfoundland.

91. Anti-submarine (A/S) booms have been laid and are in operation in the following harbours:

Halifax	3" mesh double line boom, 4,335' long. Gate, 4" single.

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Sydney	3" mesh double line, 4,125' long. Gate, 3" double.
Gaspe	3" mesh double line, 2,925' long. Gate, 3" double.
Shelburne	3" mesh double line, 4,275' long. Gate, 3" double.
Esquimalt	4" mesh single line, 1,725' long. Gate, 4" single.
Prince Rupert	3" mesh single line, 2,035' long. Gate, 4" single. (Double line boom to be put in shortly).

92. Anti-torpedo (A/T) booms have been laid as follows:

Sydney	Double line, 2,800' long, laid in 2 baffles.
Esquimalt	Double line, 523', laid in 2 baffles.
St. John's, Nfld.	Two in no. double line baffles, 583', and one single line baffle 389' long.

93. Anti-boat (A/B) booms:

Saint John, N.B.	540' long (under construction).
Halifax	5,000' long (being added to A/S boom).

A/S and A/B wood piling obstructions:

Halifax	Eastern Passage, completed.
Prince Rupert	Under consideration.

94. Depots: Before a boom can be put in place, it must first of all be designed, lists of material must be compiled, tenders called and orders placed. Also, boom defence buildings must be built and a depot established. These depots consist of storehouses, work shops, paint shops, and offices; a yard for the storage of heavy material; a slab or tract of ground laid out with marking pins secured in concrete, upon which the nets are made up; launching troughs for bringing in or launching nets; where possible a wharf to accommodate boom defence craft and from which all heavy buoys and anchors, etc. are loaded or unloaded. To handle this heavy equipment ashore, each base must have a crawler crane capable of lifting 15 tons, a tractor and heavy trailer, trucks, station

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wagons, etc. To handle the equipment afloat and to maintain the boom in proper repair, a powerful derrick scow capable of taking lifts exceeding 25 tons is also required. This scow requires a tug to manoeuvre it in position and to tow loads of buoys and anchors and chains.

95. Where A/S nets guard a port, two gate vessels are required. Their function is to open and close a section of the boom, known as the gate, to permit the entry or departure of ships. A boat known as a "gate attendant vessel" stands by the boom 24 hours a day ready for any emergency. As the gate vessels remain moored at the boom a ship is required to carry to them supplies of coal, water and stores. Harbour craft are required to bring out relief crews and fresh food, etc.

96. Nets: A/S nets are constructed of strong plough steel wire 3" or 4" in circumference, woven into 8' square meshes. Nets extend from the surface to the bottom, being connected at the top to a 5" wire jackstay, floated by barrels and buoys. A system of 10-ton "stretcher weights" keeps the nets rigid, yet sufficiently resilient and yielding to withstand the impact of a submarine. Signal flares are automatically released under attack.

97. The A/T nets consist of heavy wire rope grommets 16" in diameter, interwoven to form a regular curtain. These nets are joined together to form any length required and are held up by flotation barrels and buoys. Nets are generally about 30' deep, but for deep water can be arranged to give protection to a depth of about 50'. Booms and gate vessels are held in place by means of concrete anchors weighing 13 1/2 tons each.

98. Costs: The cost of the average A/S boom is in the neighbourhood of $360,000 plus about $50,000 to make up and put in place. Gate vessels are worth from $80,000 to $100,000 each. A derrick scow costs about $80,000. A tug and the necessary auxiliary craft are together worth another $80,000. The depot itself--the buildings, cranes, trucks and equipment--average some $45,000. The total cost of the average base is therefore approximately $775,000. This does not inclued the cost of barracks or the general requirements of a naval base. A/T nets are worth about $300,000, and where these are installed the cost of booms and a depot exceeds $1,000,000.

99. The average upkeep per base per year is approximately $50,000 for material and $50,000 for maintenance. The capital involved in Canada for the establishment of booms is therefore in the neighbourhood of $6,000,000.

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100. Vessels: Boom defence operates (or shortly will operate) 49 vessels, made up as follows:

Gate vessels, East Coast	10
Gate vessels, West Coast	6
Boom maintenance vessels (i.e. derrick scows)	7
Tugs	7
Gate attendant vessels	6
Auxiliaries and miscellaneous harbour craft	13
Total	49

Note: Some of the above vessels are still under construction.

101. Laying and Lifting Operations: In addition to the above, two or three vessels have to be borrowed from the Department of Transport for lifting and laying operations in the Fall and Spring.

102. Until boom defence field forces could be organised, booms had to be laid by outside firms of contractors. This proved costly and was not entirely satisfactory. At present, however, sufficient officers and men have been trained, and ships and equipment acquired, to permit our own forces to lay or lift booms as necessary. Ice conditions at Gaspe and Sydney necessitate the removal of the A/S and A/T booms in the late Fall. These have to be relaid each Spring, requiring the use of seven ships of various types, 90 to 100 men and four or five officers. These operations take from two to three weeks for each boom, depending upon the weather.

103. Organisation: The Boom Defence Division operates as an independent unit or branch responsible to the Director of Technical Division. Headquarters are in the Aylmer Annex. The design, supervision and inspection of all equipment and the ordering of all material is centred here. Close liaison is maintained with the D.T.D, the D.O.D., the D.N.S, the D.S.B, the E. in C., the D.W.B. (N) and Munitions & Supply, etc. as operational and construction problems of ships and buildings, of contracts and stores, etc. concern these departments.

104. Close contact is maintained with the depots throughout Canada to centralise control and to ensure smooth operation.

105. Personnel: To administer and operate this branch 48 officers and about 712 men are required, made up as follows:

Superintendent of Booms (recently appointed) Lieutenant Commander, R.C.N.V.R.	1

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Inspector of Booms		
	Lieutenant Commander, R.C.N.V.R.	1
Deputy Inspector of Booms		
	Lieutenant, R.C.N.V.R.	1
Assistants, N.S.H.Q.	Lieutenant (S.B.) R.C.N.V.R.	2
" "	Mate, R.C.N.R.	1
" "	Warrant Officer (S.B.) R.C.N.V.R.	1
" "	Civilian Inspector of Stores	
" "	Civilian Inspector of Equipment	
Assistant Inspector of Booms, West Coast		
	Lieutenant Commander, R.C.N.	1
Assistant Inspector of Booms, East Coast		
	Lieutenant, R.C.N.R.	1
A/Assistant Inspector of Booms, East Coast		
	Lieutenant R.C.N.R.	1
Boom Defence Officers,		
	Lieutenant, R.C.N.R.	1
Boom Defence Officers,		
	Chief Skipper, R.C.N.R.	2
Boom Defence Officers,		
	Lieutenant, R.C.N.V.R.	2
Boom Defence Officers,		
	Skipper, R.C.N.R.	2
A/Boom Defence Officers,		
	Skipper, R.C.N.R.	6
Gate Vessel Skippers, R.C.N.R.		21
Tug Boat Skippers, R.C.N.R.		4
	Total officers.....	48
Petty Officers and Ratings carried on vessels operated (approximately).....		510
Civilian personnel employed on maintenance work afloat and ashore average yearly (approximately).....		175
Civilian office staffs, inspectors, etc. Naval Service Headquarters, and seven bases.....		27
	TOTAL.....	712

DEGAUSSING

106. Degaussing equipment has been wholly or partially fitted in an additional 25 corvettes and 9 minesweepers. This brings the total number of vessels so equipped to 55 and 17 respectively. Certain items of control equipment, mainly

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compass corrector gear, have been delayed. This has been very unsatisfactory but the situation is improving day by day.

107. The necessary lead sheathed cable has been ordered and specifications drawn up for the fitting of "A" coils in the 12 minesweepers being fitted out as LL Sweepers.

108. Specifications are available for the new construction merchant ships but, to date, none of these vessels are ready for this equipment. It is hoped that the major part of this material for the british merchant vessels will be supplied by the United States under the terms of the Lease Lend Bill.

109. Ranges: During the past three months the Halifax Range has ranged 232 ships, compared with 108 vessels ranged during the previous three months. These consisted of 172 merchant vessels, 44 H.M.C. ships, 13 H.M. ships and three H.N.M. Ships.

110. The Sydney Range is progressing favourably and should be in operation very shortly. The Range Hut is built, instruments are being installed and detector coils laid.

111. The Vancouver Range has been a little slower than expected and will not be in operation for some time. This delay has been occasioned by a change in the range site and in the position of the instrument hut, which has now been settled to the satisfaction of the D.G. Range Officer and Park Commissioners of B.C. The work is proceeding.

112. The question of establishing a D.G. Range at St. John's, Newfoundland, was investigated by Commander Peers and a member of the National Research Council. A report on their findings was compiled and forwarded to Admiralty for consideration. As yet no indication of Admiralty's wishes has been received.

113. It has been decided to establish a D.G. Range Store Depot at Halifax, which would be supplied with sufficient stores for the establishment of one complete D.G. Range. This material has been ordered and will become available for maintenance or repairs in case of accidents or fire at the established Ranges.

114. General: The increasing volume of work has necessitated larger D.G. staffs, and a further expansion in personnel is anticipated for the spring of 1942. At that time the three ranges - Halifax, Sydney, and Vancouver - will be functioning and a heavy programme of supervision on new construction, both H.M.C. and merchant ships, is expected.

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SHIPBUILDING.

115. The rate of delivery of corvettes has been maintained at approximately one ship every four days. Eleven minesweepers have been accepted for the R.C.N. during the quarter. The first Fairmile was accepted on the last day of the quarter. Machinery trials were completed with respect to four M.T.B.'s prior to the Admiralty taking over this contract.

116. The relationship between shipbuilders and the Naval Service has been, on the whole, excellent. Every evidence has been given of the desire on the part of the shipbuilders to live up to contract and to deliver ships to the satisfaction of all concerned.

117. While the standard of workmanship is not uniform, yet it has been noteworthy that improvement has been made in all shipyards.

118. The storing, victualling, and steaming of ships to their subsequent operating base has been effected with little or no delay and without serious mishap. In this respect it may be noted that practically all the yards are situated over 1,000 miles from Halifax, and in one case the distance is 2,229.

119. The A/D.T.D. and the S.A.E. attended the trials of the Hickman Sea Sled at Quincy, Mass. during the week of 16th September. The contentions of Mr. Hickman were borne out, in that the Sea Sled is a soft-riding, quick-turning type of boat, and could be serviceably used for a M.T.B.

120. With a view to the establishment of a closer connection between the Base Planning Committees of the East and West Coasts with that of N.S.H.Q., there has been set up in the Technical Division a new Branch for these duties, and a Superintendent of Construction Liaison appointed to head the Branch.

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Minister	2	S.O.(I)	1
D.M.	1	S.O.C.S.	1
C.N.S.	1	U.S. Naval Attache, Ottawa	3
D.C.N.S.	1		
D.N.I.	1	H.C. for Canada, London	2
D.N.P.	1	C.C.C.S.	2
E.in C.	1	C.G.S.	2
D.N.O.	1	C.A.S.	2
D.P.D.	1	C.O.A.C.	2
D.O.D.	1	C.O.P.C.	2
R.C.S.	1	C. Naden	1
S.S.B.	1	C. Stadacona	1
D.T.D.	1	Capt. i/c Halifax	1
D.N.A.	1	N. Supt. Halifax	1
D.N.S.	1	N.O. i/c, Sydney	1
F.I.S.	1	N.O. i/c, Saint John	1
M.M.S.	1	N.O. i/c, Gaspe	1
N. Inf.	1	N.O. i/c, Quebec	1
N. Sec.	1	N.O. i/c, Montreal	1
A/N. Sec.	1	C.C.N.F., St. John's Nfld.	3
N.D.A.	1		
D.W.B.(N)	1	N.O. i/c, Vancouver	1
S.A/S.	1	N.O. i/c, Prince Rupert	1
Inspr. Booms	1		
Can. Naval Attache Washington	4	D.N.I. for distribution to:	
		C-in-C, A. & W.I.	2
Secretary of State for External Affairs	1	Admiralty (D.N.I.)	4
Prime Minister	2		

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S E C R E T COPY NO. 7

DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 10.
Ottawa, 4th October, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 100.

(For week ending 4th October)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 2nd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	354	3,447	3,801
R.C.N.R.	698	3,833	4,531
R.C.N.V.R.	2,065	14,946	17,011
TOTAL	3,117	22,226	25,343

Increase- 97

(b) Recruiting Activities from September 25th, 1941, to October 2nd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	10	12	22
R.C.N.R.	2	19	21
R.C.N.V.R.	26	85	111
TOTAL	38	116	154

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties	(See Sec. 2)	0	17	17
Discharges	(a) Med. Unfit	0	12	12
	(b) Other Reasons	2	26	28
TOTAL		2	55	57

(d) Transfers between Services:- NIL.

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
163	1,759	1,922

2. CASUALTIES

(a) Seventeen Ratings killed in action 19th September, 1941 (See H.M.C.S. "LEVIS" Casualty list for names).

(b) Kenneth A. PITT, Ord. Smn., V.13522 slightly wounded in action.

(c) Arthur E. BEAUDOIN, Ord. Tel., V.3690 slightly wounded in action.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	328	359
Other Deaths.....	4	38	42
TOTAL.....	35	366	401
Wounded or Injured.....	1	65	66
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C. Ships "SUMMERSIDE", "DRUMHELLER" from Quebec 25.9.41.

(ii) Cable Ship "CYRUS FIELD" 26.9.41.

(iii) H.M.C. Ships "MORDEN", "DUNVEGAN" from Pictou 27.9.41., to join Sydney Local Force on completion of working up.

(iv) H.M.S. "BUXTON" 26.9.41.

(v) H.M.C.S. "PRINCE HENRY" escorting "CAPETOWN CASTLE" from Bermuda 29.9.41.

(vi) H.M.C.S. "ST. FRANCIS" 28.9.41.

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(vii) H.M.S. "AUSONIA" from Bermuda 1.10.41.

(viii) H.M.C.S. "ANNAPOLIS" 1.10.41.

- Departures -

(ix) H.M.S. "CIRCASSIA" on escort duties 27.9.41.

(x) Cable Ship "CYRUS FIELD" 27.9.41.

(xi) H.M.C.S. "ANNAPOLIS" on escort duties HX 152. 28. 9. 41.

(xii) H.M.S. "WORCESTERSHIRE" for Bermuda 28.9.41.

(xiii) HX 152 escorted by U.S. Ships "MAYO" "SCHENCK", "LEARY", "BROOME, "BABBITT", 28.9.41.

(xiv) H.M.C.S. "DRUMHELLER" for Pictou, 1.10.41.

- At Iceland -

- Arrivals -

(xv) H.M.S. "BROADWATER" 27.9.41.

- Departures -

(xvi) H.M.S. "ALYSSE" on escort duties 26.9.41

(xvii) H.M.C.S. "MAYFLOWER" on escort duties 26.9.41.

(xviii) H.M.C.S. "COLUMBIA" 28.9.41.

(xix) H.M.C. Ships "AGASSIZ", "ST. CROIX", "EYEBRIGHT", "PRESCOTT" for St. John's escorting "MALMANGER", "TUVA", "CHULMLEIGH" as special convoy 28.9.41.

- At St. John's -

- Arrivals -

(xx) H.M.C.S. "CHAMBLY" from escort duties 27.9.41.

(xxi) H.M.C.S. "COLUMBIA" 28.9.41.

(xxii) H.M.C.S. "SKEENA" 28.9.41.

(xxiii) H.M.S. "GLADIOLUS" 1.10.41.

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- Departures -

(xxiv) H.M.C.S: "ALGOMA" on escort duties 26.9.41.

(xxv) H.M.C.S: "BRANDON" on escort duties 26.9.41.

(xxvi) H.M.S. "BROADWAY" on escort duties 26.9.41.

(xxvii) H.M.C.S: "BUCTOUCHE" on escort duties 26.9.41.

(xxviii) H.M.S. "BURWELL" on escort duties 26.9.41.

(xxix) H.M.C.S: "COBALT" on escort duties 26.9.41.

(xxx) H.M.C.S. "GALT" 26.9.41.

(xxxi) H.M.C.S. "FENNEL" 1.10.41.

(xxxii) H.M.C.S. "HEPATICA" 1.10.41.

(xxxiii) H.M.S. "POLYANTHUS" 1.10.41.

(xxxiv) H.M.C.S. "RIMOUSKI" 1.10.41.

(xxxv) H.M.C.S. "AMHERST" sailed Québec 25.9.41 for Botwood on escort duties. Sailed Botwood 30.9.41. for Quebec.

(xxxvi) H.M.C.S: "LETHBRIDGE" arrived Sydney 30.9.41.

(xxxvii) H.M.C.S. "LYNX" arrived Pictou 1.10.41.

(xxxviii) H.M.C.S. "RACCOON" sailed Gaspé 1.10.41. on patrol arriving Gaspe 1.10.41.

(xxxix) H.M.C.S: "REINDEER" sailed Gaspe 30.9.41. on patrol.

(xl) S.C. 47 sailed Sydney 29.9.41. escorted by H.M.C. Ships "SHERBROOKE", "NAPANEE", "MATAPEDIA", "CHICOUTIMI".

(xli) H.M.C.S. "VISON" sailed Gaspe 28.9.41. arrived Pictou 29.9.41.

(xlii) H.M.C.S: "SASKATOON" departed Kingston Ja., 28.9.41 escorting "LADY RODNEY" to Quebec.

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(xliii) H.M.C. Ships "HALPEQUE", "MINAS" en route Halifax from Esquimalt, departed Corinto September 30th for Panama.

(xliv) H.M.C. Ships "NIPIGON", "WASAGA" (Minesweepers) were reported by Commanding Officer, Atlantic Coast on 2.9.41 to be ready for service. Will go to Sydney.

(xlv) H.M.C.S. "COWICHAN" (Minesweeper) now ready for service, will go to Halifax.

(xlvi) H.M.C.S. "PRINCE DAVID" refitting at Halifax, completion date uncertain.

(xlvii) H.M.C.S. "PRINCE ROBERT" refitting at Esquimalt, date of completion October 7th.

(xlviii) H.M.C. Ships "QUINTE", "UNGAVA" (Minesweepers) and possibly H.M.C.S. "CLAYOQUOT" will sail from Esquimalt for Halifax October 4th.

(xlix) H.M.C.S. "SOREL" on completion of working up, to join Halifax Local Defence Force.

(l) H.M.C. Ships "ASSINIBOINE", "SAGUENAY" arrived U.K. on September 26th escorting "PASTEUR".

(li) H.M.C.S. "BATTLEFORD" to Sydney Local defence Force on completion working up.

(lii) H.M.C.S. "KAMLOOPS" on completion working up to join Halifax Local Defence Force.

On September 26th, convoy S.C.46 suffered following marine casualties during passage of Belle Isle in dense fog:

(1) 2 ships grounded
(2) 1 ship sunk in collision
(3) 4 ships damaged in collision

Three ships appear to be a total loss and four are being repaired at Sydney. On October 1st, P.M. "SAN FLORENTINE" in an outbound convoy was torpedoed.

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On October 2nd, Commander-in-Chief Newfoundland Force signalled that Direction Finding bearings indicated that S.C. 46 was being shadowed by a U. Boat.

On September 30th at 1330 G.M.T. an American patrol plane sighted a submarine at 046° 10' N. 055° 50' W. five miles north west of convoy H.X. 152. No British or U.S. Submarines were in the vicinity at that time. Up to October 2nd nothing further had been reported, although an intensive air search of the area was carried out by R.C.A.F. planes from Sydney.

(b) CONVOYS

A convoy comprising 60 ships of which 41 were British, 7 Norwegian, 4 Swedish, 5 Dutch 2 U.S., 1 Greek sailed from Halifax on September 28th under A/S Escort of U.S.S. "LAYO", U.S.S. "SCHENCK", U.S.S. "LEARY", U.S.S. "BROOME", U.S.S. "BABBITT" and local Escort of H.M.C.S. "ANNAPOLIS".

A convoy comprising 61 ships sailed from Sydney September 29th. The 61 ships included 36 British, 11 Norwegian, 4 Panamanian, 3 Greek, 2 Dutch, 2 Icelandic, 1 Belgian, 1 U.S., 1 Swedish. The Local Escort was H.M.C. Ships "CHAMBLY", "CHICOUTIMI", "SHERBROOKE", "MATAPEDIA" "NAPANEE", H.M. Ships "RAMSAY", "RICHMOND".

Note: Number of ships at present uncertain. One British believed to have sailed but not yet reported. This information will be confirmed in the following report.

This week there were two trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) Mercantile Equipment Officer & Degaussing Officer
One hundred and one D.E.N.S. inspections were carried out this week in the following ports: Halifax (68), Sydney (28), Quebec (2), Saint John(3)

(b) Information regarding arming etc., has been received regarding the following ships:-

"TURRET CAPE"	3" gun mounted	Montreal
"JAN"	3" " "	"
"HOEGH GIANT"	3" " "	Halifax
"TRONDHEIM"	3" " "	"
"ELISHA WALKER"	3" " "	"
"PETTER II"	3" " "	Sydney
"TORONTO	3" " "	Halifax
"ALGONQUIN"	3" " "	"
"WINNIPEG"	In Hand arming	"
"ELIN K"	" " "	Esquimalt
"ROMULUS"	" "	"
"PRINCESS KATHLEEN"	" "	"

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Admiralty have ruled that Masters of British or Allied vessels may employ D.E.M.S. ratings and ranks of Maritime Anti-Aircraft Regiments on anti-sabotage watch at all Ports abroad at a renumeration of 4 shillings for every completed 8 hours of duty in addition to normal service pay. Plain clothes must be worn by service personnel while on anti-sabotage in ships in neutral ports.

Halifax is now responsible for maintaining pool of A.A. gunners at Sydney, Bermuda, Curacao, Jamaica, and Trinidad and to absorb any surplus; Military Gunners are now issued to Allied as well as British ships.

A pool is being formed of acting Seaman Gunners from United Kingdom to man guns placed on Allied vessels in United States and Canada and should be in operation in about 6 weeks' time.

(c) The degaussing equipment of 100 ships was inspected this week in Canadian ports. 92 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States Ports:

D.G. Completed	16
D.G. Repairs	2
D.G. Modifications	0
In hand for D.G.	70
In hand for Repairs	7
In hand for Modifications	0

(e) Director of Technical Division

Trials of New Construction building for the R.C.N. include the following:-

H.M.C. CORVETTES

"SUDBURY"	Endurance Trial 23.9.41, Full Power 24.9.41.
"LOUISBURG"	Acceptance Trial 29.9.41.
"DAWSON"	Endurance, Turning Steering, Astern, Anchor, Armament and Full Power Trial 26.9.41.

MINESWEEPERS

"MAHONE"	Turning, Steering, Astern, Anchor, Armament, Progressive and Full Power Trials 24.9.41.
"CHEDABUCTO"	Accepted and commissioned 27.9.41.

FAIRMILES

"C.N. 130"	Accepted at Toronto 30.9.41.

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FISHERMEN'S RESERVE PATROL VESSELS

"CN221" (Armstrong Brothers) launched 25.9.41.

(f) Senior Technician: Technical Division

Efforts are being made to speed up the ordering by Department of Munitions and Supply of the outstanding items for the "Bangor" class minesweepers, and also for the equipment for Acoustic Minesweeping.

(g) Inspector of Booms

At Sydney, N.S., plans have been prepared for the construction of a new launching trough and for general repairs to the boom defence wharf and slab. Estimates are being called for the supply of water under city pressure for fire protection purposes and sanitary purposes. The Inspector of Booms in company with a representative of the Engineering Branch is proceeding to Detroit on October 1st to make arrangements for the purchasing and repairing of a used derrick scow known as the "HANDY ANDY". At St. John's, Nfld., considerable maintenance on the Anti-torpedo nets is required; considerable difficulty is being experienced in preventing ships from fouling these nets. The Tug "KIPPAWO" is being acquired as maintenance vessel for this port.

(h) R.D.F. Officer

A suitable location for the R.D.F. office has been found on H.M.C.S. "PRINCE ROBERT" and "PRINCE DAVID". Arrangements are in preparation to ship equipment to Bermuda to fit H.M.C.S. "PRINCE HENRY" at the first opportunity. H.M.S. "CHITRAL" was not fitted; decision made by British Admiralty Technical Mission's constructor after consultation with the Naval Officer-in-Charge Saint John, N.B. Equipment for her has been transferred to Halifax for installation in a corvette.

National Research Council are preparing a 2nd "Panoramic" receiver and building suitable antennae for fitting in a selected corvette which is intended to intercept enemy R.D.F. transmissions.

Ships being fitted at present are:-

"BATTLEFORD", "NANAIMO", "CAMROSE", "PRINCE DAVID", "PRINCE ROBERT".

(i) Research Liaison Officer

Preliminary tests of the magnetic short-range submarine detector under development at Scientific Research and Experiment Department were carried out in Beford Basin with the equipment

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aboard H.M.C.S. "KAMLOOPS". Changes in magnetic state of the ship due to roll and heading blanketed the reading to the extent of rendering the existing set-up unusable until proper compensating means are worked out. The sensitivity of the instrument is greater than that of the "F.Q." device developed by the U.S. Navy.

The trials enabled the scientists engaged in the work to gain a better appreciation of the requirements for a sea-going installation, which will lead to laboratory trials approaching more closely the conditions to be encountered.

(j) Degaussing Officer

The site for the Vancouver Range Hut has finally been settled to the satisfaction of both the Park Commissioners and the Degaussing Officer.

Sydney Degaussing Range is expected to begin operating very shortly and should help to relieve the present congestion at Halifax.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $49,611.00.

6. CHANGES OF COMMAND

On 30th September, 1941, Rear Admiral S.S. Bonham Carter, C.B., R.N., Rear Admiral Commanding 3rd Battle Squadron stationed at Halifax, hauled down his flag in H.M.S. "SEABORN". He is returning to the United Kingdom.

With the exception of the administration of R.N. Armed Merchant Cruisers, the duties of R.A.3 have been assumed by Commanding Officer Atlantic Coast and H.M.S. "SEABORN" will be taken over by the R.C.N. and recommissioned as H.M.C.S. "SAMBRO", the headquarters of Captain "D", Halifax.

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COPY NO. 1

C179316

DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 10

Ottawa, 11th October, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 101.

(For week ending 11th October)

-oOo-

N A V A L S E R V I C E S

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 9th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	355	3,448	3,803
R.C.N.R.	699	3,864	4,563
R.C.N.V.R.	2,069	15,700	17,769
TOTAL	3,123	23,012	26,135

Increase - 792

(b) Recruiting Activities from October 2nd, 1941 to October 9th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	1	1
R.C.N.R.	3	37	40
R.C.N.V.R.	5	788	793
TOTAL	8	826	834

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	2	2
Discharges (a) Med. Unfit	0	25	25
(b) Other Reasons	2	13	15
TOTAL	2	40	42

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	1	0	1
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	1	5	6

(e) Complement Borne at R.C.N.V.R. Divisions Not on Active Service:-

Officers	Ratings	TOTAL
163	1,128	1,291

2. CASUALTIES

(a) Edward HODGSON, Leading Stoker, A. 2698, died October 4th, 1941.

(b) Arthur A. McNab, Ord. Smn., V.13691, Died October 5th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	328	359
Other Deaths.....	4	40	44
TOTAL.....	35	368	403
Wounded or Injured.....	1	65	66
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "ANNAPOLIS" 1.10.41.

(ii) H.M.C.S. "FENNEL" 3.10.41.

(iii) H.M.C.S. "AMHERST" 4.10.41.

(iv) H.M.C.S. "DRUMHELLER" 4.10.41.

(v) H.M.S. "MENESTHEUS" from escort duties 4.10.41.

(vi) H.M.C.S. "TRILLIUM" 4.10.41.

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(vii) H.M.S. "CANDYTUFT" 6.10.41.

(viii) H.M.S. "PRUDENT" 6.10.41.

(ix) H.M.C.S. "SASKATOON" from escort duties 7.10.41.

(x) H.M.C.S. "SHAWINIGAN" from Quebec 7.10.41.

(xi) H.M.C.S. "ANNAPOLIS" 8.10.41.

(xii) Cable Ship "CYRUS FIELD" 8.10.41.

(xiii) H.M.C.S. "KAMLOOPS" 9.10.41.

(xiv) H.M.C.S. "SOREL" 9.10.41.

- Departures -

(xv) H.M.C.S. "BADDECK" for Sydney 3.10.41.

(xvi) H.M.C.S. "ANNAPOLIS" with HX 153 5.10.41.

(xvii) H.M.C.S. "CAMROSE" for St. John's, Nfld. 5.10.41.

(xviii) H.M.C.S. "KAMLOOPS" for Pictou 5.10.41.

(xix) H.M.S. "MIMOSA" for St. John's, Nfld. 5.10.41.

(xx) H.M.C.S. "ROSTHERN" 5.10.41.

(xxi) H.M.C.S. "SOREL" for Pictou 5.10.41.

(xxii) HX 153 escorted by U.S. Ships "SAMPSON", "MACLEISH", "BERNADON", "DUPONT", "LEARY" 5.10.41.

(xxiii) H.M.C.S. "DRUMHELLER" for Pictou 7.10.41.

(xxiv) H.M.C.S. "BATTLEFORD" 7.10.41. arriving Pictou 8.10.41.

(xxv) H.M.S. "BUXTON" for St. John's, Nfld. 8.10.41.

(xxvi) H.M.S. "PRUDENT" for New York 7.10.41.

(xxvii) H.M.S. "CANDYTUFT" for U.S.A. 8.10.41.

- At Iceland -

- Arrivals -

(xxviii) H.M.C.S. "BRANDON" from escort duties 7.10.41.

(xxix) H.M.S. "BROADWAY" from escort duties 7.10.41.

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(xxx) H.M.C.S. "BUCTOUCHE" 7.10.41.

(xxxi) H.M.S. "BURWELL" from escort duties 7.10.41.

(xxxii) H.M.C.S. "COBALT" 7.10.41.

(xxxiii) H.M.C.S. "GALT" 7.10.41.

(xxxiv) H.M.C.S. "ALGOMA" from escort duties 8.10.41.

- Departures -

(xxxv) H.M.C.S. "PICTOU" with H.M.C.S. "ST. LAURENT" 4.10.41.

- At St. John's -

- Arrivals -

(xxxvi) H.M.C.S. "OTTAWA" 6.10.41.

(xxxvii) H.M.C.S. "ST. CROIX" arrived 6.10.41. sailed 7.10.41. arrived again 7.10.41. and departed again 9.10.41.

(xxxviii) H.M.C.S. "CAMROSE" 7.10.41.

(xxxix) H.M.C.S. "MAYFLOWER" 7.10.41.

(xl) H.M.S. "MIMOSA" 7.10.41.

(xli) H.M.C.S. "ROSTHERN" 7.10.41.

(xlii) H.M.C.S. "SAGUENAY" 7.10.41.

(xliii) H.M.C.S. "ALBERNI" 8.10.41.

(xliv) H.M.S. "ALYSSE" 8.10.41.

(xlv) H.M.C.S. "EYEBRIGHT" 8.10.41.

(xlvi) H.M.C.S. "KENOGAMI" 8.10.41.

- Departures -

(xlvii) H.M.C.S. "CHAMBLY" 2.10.41.

(xlviii) H.M.C.S. "ORILLIA" 2.10.41.

(xlix) H.M.S. "RICHMOND" on escort duties. 3.10.41.

(l) H.M.S. "ROMSEY" on escort duties 3.10.41.

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(li) H.M.S. "GLADIOLUS" 7.10.41.

(lii) H.M.C.S. "CAMROSE" 8.10.41.

(liii) H.M.S. "MIMOSA" 8.10.41.

(liw) H.M.C.S. "WETASKIWIN" 8.10.41.

- At Sydney -

- Arrivals -

(lv) H.M.C.S. "NIPIGON" from Halifax 3.10.41.

(lvi) H.M.C.S. "BADDECK" 4.10.41.

- Departures -

(lvii) S.C. 48 sailed 5th October escorted by H.M.C. Ships "CAMROSE", "ROSTHERN", "BADDECK", "SHEDIAC".

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(lviii) H.M.C.S. "MALPEQUE" sailed Colon 4.10.41. arrived Kingston 6.10.41.

(lix) H.M.C.S. "MINAS" sailed Colon 4.10.41. arrived Kingston 6.10.41.

(lx) H.M.C.S. "RACCOON" arrived Gaspe 4.10.41. sailed 5.10.41 arriving Gaspe 7.10.41. from patrol.

(lxi) H.M.C.S. "REINDEER" arrived Gaspe 2.10.41 sailed 5.10.41 arriving Gaspe 7.10.41 from patrol.

(lxii) H.M.C.S. "VISON" arrived Lunenburg 3.10.41 from Gaspe.

(lxiii) H.M.C. Ships "AGASSIZ", "EYEBRIGHT", "ST. CROIX" arrived St. John's October 8th from escorting special convoy from Iceland. "EYEBRIGHT" encountered heavy oil patch on October 4th and believed "TUVA has been sunk.

(lxiv) H.M.C. Ships "ASSINIBOINE", "SAGUENAY", escorting outbound convoy from U.K. to Halifax. "SAGUENAY" broke off from convoy in 054° W. and arrived St. John's October 7th.

(lxv) H.M.C. Ships "CHICOUTIMI", "SHERBROOKE" en route United Kingdom for A/S training at H.M.C.S. "WESTERN ISLES" acting as escort to United Kingdom bound convoy.

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(lxvi) H.M.C.S. "MOOSEJAW" sailed Greenock September 30th for A/S training at H.M.S. "WESTERN ISLES".

(lxvii) H.M.C. Ships "CLAYOQUOT", "QUINTE", "UNGAVA", were due to leave Esquimalt October 9th and sail for Halifax.

(lxviii) H.M.C.S. "OTTAWA" returned St. John's October 7th from escorting convoy bound for United Kingdom to limit of endurance.

(lxix) H.M.C.S. "PRINCE DAVID" refitting at Halifax from October 6th for approximately 8 weeks.

(lxx) H.M.C.S. "PRINCE HENRY" arrived Bermuda October 4th from Halifax. Left Bermuda October 7th to rendezvous with H.M.S. "CIRCASSIA" at 1600Z/10 and patrol East of Trinidad searching for enemy raider and supply ships.

(lxxi) H.M.C.S. "PRINCE ROBERT" completed refit at Esquimalt on October 7th.

(lxii) H.M.C.S. "SASKATOON" on special duties since August 8th escorting "LADY RODNEY" between Quebec and Kingston Ja. Arrived Halifax on October 7th from escorting "LADY RODNEY" on her last trip from Kingston, Ja. to Quebec.

(lxiii) H.M.C.S. "ALBERNI" picked up 33 survivors from "SAN FLORENTINE". Sunk in convoy outbound from United Kingdom on October 2nd.

(B) Convoys

The Halifax and St. John's section of a convoy sailed on October 5th under the A/S escort of U.S.S. "SAMPSON", U.S.S. "MACLEISH", U.S.S. "BERNADOU", U.S.S. "DUPONT", U.S.S. "LEARY" and Local Escort of H.M.C.S. "ANNAPOLIS". The 60 ships in the convoy comprised 42 British, 9 Norwegian, 4 Dutch, 3 U.S., 2 Belgian.

A convoy comprising 52 ships of which 32 were British, 11 Norwegian, 4 Greek, 2 Dutch, 2 Swedish, 1 Panamanian sailed from Sydney on October 5th. There was no A/S Escort. The Local Escort was H.M.C.S. SHEDIAC", H.M.C.S. "BADDECK", H.M.C.S. "MIMOSA", H.M.C.S. "WETASKIWIN", H.M.C.S. "ROSTHERN", H.M.C.S. "CAMROSE", H.M.C.S. "GLADIOLUS".

Reference Previous Report

The Convoy sailing September 29th contained 62 ships. One British sailing was omitted in the original telegram sent to Naval Service Headquarters.

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This week there was one trans-ocean sailing from the Atlantic Coast.

4. WORKS.

(a) Mercantile Equipment Officer & Degaussing Officer.

One hundred and forty-two D.E.M.S. inspections were carried out this week in the following ports:

Halifax	66
Montreal	25
Esquimalt	2
Sydney	42
Saint John	6
Quebec	1

(b) Information regarding arming, etc. has been received regarding the following ships:-

"BARFONN"	3" gun mounted	Sydney
"SANTOS"	3" gun mounted	Halifax
"WINNIPEG"	3" gun mounted	Halifax
"FRANCES DAWSON"	3" gun mounted	Sydney
"SPIROS"	In hand arming	Halifax

The Admiralty advise that arrangements are being made to supply a certain number of .5 twin Colt equipments for D.E.M.S. at Halifax.

(c) The degaussing equipment of 139 ships was inspected this week in Canadian Ports; 130 were reported as being satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed	16
D.G. Repairs	3
D.G. Modifications	1
In hand for D.G.	78
In hand for repairs	8
In hand for modifications	0

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(e) Director of Technical Division

Trials of New Construction building for the R.C.N. include the following:-

H.M.C. CORVETTES

"LOUISBURG"	Commissioned 2.10.41.
"DAWSON"	Accepted and commissioned 6.10.41.
"HALIFAX"	Launched Collingwood 4.10.41.

MINESWEEPERS

"MAHONE"	Accepted and commissioned 29.9.41.
"DRUMMONDVILLE"	Full Power Trial 3.10.41.
"THUNDER"	Full Power Trial 7.10.41.

FAIRMILES

"Q071"	Launched 6.10.41.

(f) Senior Technician; Technical Division

The regular monthly meeting of the Inter-Service Chemical Warfare Committee reported from the experimental field at Suffield that good progress is being made in the erection of buildings and the construction of the airfield, also that useful experimental work has been done.

Drawings showing the general layout of the battery compartment in the 105 foot wooden minesweepers have been made and are being checked with the shipbuilder.

(g) Superintendent of Boom Defence

Boom Defence work proceeds according to schedule. At Halifax material and supplies are in process of being transferred from the depot to the new depot at Dartmouth. Work on buildings, slab and launching trough is well under way, while the office staff of Boom Defence will move into the new quarters as soon as the telephones have been installed. Work on Gate Vessels is proceeding satisfactorily. At Shelburne heavy weather has delayed the completion of the boom; latest information is that it will be completed October 7th. At St. John's, Newfoundland, trouble is being experienced with the gas and whistle buoys on the anti-torpedo baffles. Heavy storms caused the breaking off and loss of the buoy at No. 3 baffle. The white light on No. 2 baffle and the guard rail around the light was found broken. This apparently was caused by a schooner passing too close and hitting the buoy with her main boom. The light has been repaired and steps have been taken to acquire a new buoy and light for baffle No. 3. At Esquimalt the Superintendent of Boom Defence and the Deputy

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Inspector of Booms made a tour of inspection, and report everything there is operating satisfactorily. The tour included Prince Rupert, where the first line of A/S boom has been installed. They find that the Gate Vessels are not powerful enough to open and close the gate while the tide is running. The gate is therefore being left in an open position but can, if necessary, be closed during slack water. They inspected the two new gate vessel being built and found them progressing satisfactorily. A two to three months delay will be experienced awaiting the delivery of the diesel winches. The Western Gate Vessel however, was successfully launched on October 4th.

(h) Superintendent of A/S

A total of 50 Corvettes are now equipped with Type 123A A/S Sets; 10 Minesweepers have been completed with Type 128 Sets, while information indicates that the fitting of Type 135 Sets in 6 Gate Vessels is also being completed.

The control and receiving apparatus for the Harbour Defence A/S will be housed in buildings provided by the Army at Wiseman Head Battery when handbooks re installation are received for the Botwood Harbour Defence A/S and Sono Buoy Station. Admiralty has indicated that the Harbour Defence A/S equipment is being shipped in bits, none has as yet arrived. The Sono buoys intended for use at this station are not available yet, and some confusion exists as to the correct procedure in obtaining them from the United States Navy. Action has now been taken, through the U.S. Naval Attache to clarify this situation.

The 40 foot attendance vessel for the buoys was shipped to Halifax in July and will be sent to Botwood when required. At this time it does not appear possible to complete the station before the harbour is closed.

At the Sydney Harbour Defence A/S Station the buildings are completed and delivery of the Harbour Defence A/S equipment from Halifax has been under way for some time. It is not anticipated that this station will be completed before the winter, the flow of drift ice would prevent the leaving of the sea unit in place in any case during the winter season, thus making the laying of the sea unit for such a short time impractical.

(i) Radio Direction Finding Officer.

H.M.C.S. "CAMROSE" has had her Radio Direction Finding equipment completed, bringing the total of Corvettes so fitted to five.

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A meeting was held at the National Research Council of all concerned with the Panoramic receiver, in order to settle details regarding completion of development and initial priorities for production, which will be completed by Radio Direction Finding Officer in Toronto during the week.

Arrangements are now nearing completion for the inclusion of two to three officers in the group working on Naval Radio Direction Finding problems at the National Research Council; a complete report of the situation has been forwarded to the National Research Council.

Arrangements were made with the Ajax Company, sub-contractors to Research Enterprises Limited to install the first Type M rotator on a steam driven M/S in Toronto on or about October 15th, to be followed by the first installation on a Fairmile.

(j) Research Liaison Officer

Under development at present is the design for a salt water evaporator utilising body heat for continuous production of fresh drinking water. Present considerations indicate that the apparatus in the form of a thin pad to be worn on the chest would evaporate approximately 1½ cups of water per day without causing discomfort to the wearer.

The plastic armour research has resulted in development of pressure molded gravel slabs utilising high strength synthetic resins as the bonding agent. Samples tested with .303 A.P. ammunition have been highly resistant to penetration and represent a not inconsiderable reduction in weight over the standard rock and asphalt slab.

(k) Degaussing Officer

Shipments of single core Degaussing cable for D.E.M.S. from the U S.A. have commenced. Admiral Barry has been asked whether he can supply all needs in this regard. Canadian cable is now on order and being fabricated for the Degaussing coils of the 10 Revised Patrol Vessels.

During the past week five permanent Degaussing installations have been made; two semi-permanent; repairs have been carried out on two H.M. Ships, five H.M.C. Ships and 13 merchant vessels.

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It has been decided that the bulkhead glands ordered for D.E.M.S. were too elaborate, negotiations are under way to reduce the amount of brass used in these fittings.

Six vessels have been depermed in Halifax during the past week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $353,867.00.

CHIEFS OF STAFF COMMITTEE.

11th October,
1 9 4 1

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DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 10

Ottawa, 18th October, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 102

(For week ending 18th October)

-oOo-

NAVAL SERVICES

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 16th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	354	3,447	3,801
R.C.N.R.	702	3,878	4,580
R.C.N.V.R.	2,069	16,043	18,112
TOTAL	3,125	23,368	26,493

Increase 358

(b) Recruiting Activities from October 9th, 1941, to October 16th, 1941.

	Officers	Ratings	TOTAL
R.C.N.	0	1	1
R.C.N.R.	4	17	21
R.C.N.V.R.	1	374	375
TOTAL	5	392	397

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	3	3
Discharges (a) Med. Unfit	1	17	18
(b) Other reasons	2	16	18
TOTAL	3	36	39

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	1	4	5
TOTAL	1	5	6

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
165	996	1,161

2. CASUALTIES

(a) James CLARK, A.B., O.N. A498, drowned October 9th, 1941.

(b) David A. KERR, A.B., O.N. A3277, missing believed drowned October 9th, 1941.

(c) Norman A. LARSON, Teleg., O.N. v9684 missing believed lost, on S.S. "AVOCETA" September 25th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	331	362
Other Deaths.....	4	40	44
TOTAL.....	35	371	406
Wounded or Injured.....	1	65	66
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "BATTLEFORD" from escort duties 11.10.41.

(ii) H.M.C.S. "DRUMHELLER" from escort duties 11.10.41.

(iii) H.M.S. "WORCESTERSHIRE" 13.10.41.

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	1	4	5
TOTAL	1	5	6

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(iv) H.M.C.S. "ANNAPOLIS" 14.10.41.

(v) H.M.C.S. "LOUISBURG" from Quebec 15.10.41.

- Departures -

(vi) H.M.C.S. "AMHERST" for St. John's, Nfld. 10.10.41.

(vii) H.M.S. "HARVESTER" on escort duties 10.10.41.

(viii) H.M.C.S. "RESTIGOUCHE" on escort duties 10.10.41.

(ix) H.M.C.S. "NANAIMO" on escort duties 12.10.41.

(x) H.M.S. "CATHAY" for U.S. 12.10.41 for refit.

(xi) H.M.S. "AURANIA" for U.K. 13.10.41.

(xii) H.M.S. "MALOJA" for U.K. 13.10.41.

(xiii) H.M.S. "MENETHEUS" for U.K. 13.10.41.

(xiv) H.M.S. "MONTCLARE" for U.K. 13.10.41.

(xv) H.M.S. "RANPURA" for U.K. 13.10.41.

(xvi) H.M.S. "WOLFE" for U.K. 13.10.41.

(xvii) H.M.C.S. "BATTLEFORD" for Pictou 15.10.41.

(xviii) H.M.C.S. "SHAWINIGAN" for Pictou 15.10.41.

- At St. John's -

- Arrivals -

(xix) H.M.C.S. "ALBERNI" 8.10.41.

(xx) H.M.C.S. "AMHERST" 12.10.41.

(xxi) H.M.C.S. "BITTERSWEET" 12.10.41.

(xxii) H.M.C.S. "SNOWBERRY" 12.10.41.

(xxiii) H.M.C.S. "COLLINGWOOD".

- Departures -

(xxiv) H.M.C.S. "SKEENA" 10.10.41.

(xxv) H.M.S. "BUXTON" on escort duties 10.10.41.

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(xxvi) H.M.C.S. "OTTAWA" on escort duties 10.10.41.

(xxvii) H.M.C.S. "ST. FRANCIS" for S.C. 49 13.10.41.

(xxviii) H.M.C.S. "AMHERST" 13.10.41.

(xxix) H.M.C.S. "EYEBRIGHT" 13.10.41.

(xxx) H.M.C.S. "MAYFLOWER" 13.10.41.

(xxxi) H.M.C.S. "PRESCOTT" with S.C. 49 escorts 13.10.41.

(xxxii) H.M.C.S. "SAGUENAY" for Saint John, N.B. 14.10.41.

- At Iceland -

- Arrivals -

(xxxiii) H.M.C.S. "BRANDON" 12.10.41.

(xxxiv) H.M.C.S. "CHICOUTIMI" 12.10.41.

(xxxv) H.M.C.S. "CHAMBLY" 13.10.41.

(xxxvi) H.M.S. "ROMSEY" 13.10.41.

- Departures -

(xxxvii) H.M.S. "BROADWAY" on escort duties 13.10.41.

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(xxxviii) H.M.S. "CANDYTUFT" arrived New York 13.10.41 for refit.

(xxxix) H.M.S. "CATHAY" arrived New York 14.10.41.

(xl) H.M.C.S. "CLAYOQUOT" sailed Esquimalt 10.10.41 on patrol. Arrived San Pedro 14.10.41 sailed 16.10.41 en route East Coast.

(xli) H.M.C.S. "LETHBRIDGE" sailed Sydney 11.10.41 with S.C. 49.

(xlii) H.M.S. "PRUDENT" arrived New York 14.10.41 sailed New York 14.10.41 for Halifax.

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(xliii) H.M.C.S. "QUINTE" sailed Esquimalt 10.10.41 arrived San Pedro 14.10.41 sailed 16.10.41 for East Coast.

(xliv) H.M.C.S. "RACCOON" sailed Gaspe 14.10.41 on patrol.

(xlv) H.M.C.S. "ST. CROIX" arrived Saint John, N.B. 10.10.41 sailed 15.10.41 for Halifax.

(xlvi) H.M.C.S. "SUDBURY" arrived Montreal 14.10.41 from Kingston, Ontario.

(xlvii) H.M.C.S. "VISON" sailed Gaspe 12.10.41 on patrol.

(xlviii) S.C. 49 sailed Sydney 11.10.41. Escorts H.M.C. Ships "ST. FRANCIS", "SAGUENAY", "AGASSIZ", "EYEBRIGHT", "PRESCOTT", "LETHBRIDGE", "AMHERST", "NANAIMO", H.M. Ships "AURANIA", "TENESTHEUS".

(xlix) HX 154 sailed Halifax 10.10.41 with U.S. Ship escort.

(l) H.M.C.S. "UNGAVA" departed San Pedro 16.10.41 en route Halifax from Esquimalt via Panama.

(li) H.M.S. "DIOMEDE" arrived Esquimalt 8.10.41 from patrolling West Coast from Balboa. Departed Esquimalt for patrol off Galapagos Island October 15th.

(lii) H.M.C. Ships "MALPEQUE", "MINAS" arrived Bermuda 14.10.41 en route Halifax from Esquimalt via Panama.

(liii) H.M.C.S. "NIPIGON" returned Sydney via Belle Isle Strait October 14th from escorting tugs (en route U.K.) for three days.

(liv) H.M.C.S. "PRINCE DAVID" refitting at Halifax, completion date unknown.

(lv) H.M.C.S. "PRINCE HENRY" patrolling off Trinidad with "CIRCASSIA" for enemy raider and supply ships. Leaving patrol October 20th for Trinidad.

(lvi) H.M.C.S. "PRINCE ROBERT" completed refit at Esquimalt October 7, will be sailed as escort to "AWATEA" leaving Vancouver October 27th for Honolulu.

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On the morning of October 15th, convoy bound for United Kingdom was attacked by U-Boats. No definite results yet reported but convoy is still being shadowed.

At midnight on October 15th, "VANCOUVER ISLAND" independently routed to United Kingdom was torpedoed. Two ships from an outbound convoy were detached and sent to her assistance.

(b) Convoys

A convoy comprising 52 ships of which 29 were British, 12 Norwegian, 5 Dutch, 5 U.S., 1 Panamanian sailed from Halifax on October 10th. The A/S Escort was U.S.S. CHARLES F. HUGHES", U.S.S. "MADISON", U.S.S. "GLEAVES", U.S.S. "LANDSDALE", U.S.S. "SIMPSON". The local escort was H.M.C.S. "ANNAPOLIS".

The Sydney and Wabana sections of a convoy sailed on October 11th under the A/S Escort of H.M.C. Ships "ST. FRANCIS", "MAYFLOWER", "KENOGAMI", "AMHERST", "EYEBRIGHT", "NANAIMO", "PRESCOTT", "LETHBRIDGE". The 38 ships in the convoy comprised 25 British, 5 Norwegian, 5 Greek, 1 Polish, 1 Swedish, 1 U.S.

This week there was one trans-ocean sailing from the East Coast.

4. WORKS

(a) Mercantile Equipment Officer & Degaussing Officer

One hundred and sixty D.E.M.S. inspections were carried out this week in the following ports: Halifax (93), Sydney (57), Montreal (7), Quebec (2), Saint John (1).

(b) Information regarding arming, etc. has been received regarding the following ships:-

"VILLANGER"	4" Gun mounted	Esquimalt
"STAMOS"	3" " "	Sydney
"SPIROS"	3" " "	Halifax
"FENJA"	3" " "	Halifax
"MOSDALE"	3" " " (damaged 90 m.m. gun removed)	Montreal
"FJORDALS"	In hand arming	Sydney
"RIO NOVA"	In hand arming	Sydney
"ATLANTIC"	In hand arming	Sydney
"AUST"	In hand arming	Halifax
"LINOGES"	In hand arming	Montreal

(c) The degaussing equipment of 159 ships was inspected this week in Canadian Ports; 148 were reported as being satisfactory; repairs have been carried out on the remainder.

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The British Ministry of War Transport, New York, reported the following in hand at United States Ports:

D.G. Completed	10
D.G. Repairs	4
D.G. Modifications	1
In hand for D.G.	74
In hand for repairs	7
In hand for Modifications	0

(d) DIRECTOR OF TECHNICAL DIVISION

Trials of New Construction ships building for the R.C.N. include the following:-

H.M.C. CORVETTES

"HALIFAX"	Launched October 4th.
"THE PAS"	Passed Full Power Trials October 9.
"EDMUNSTON"	Endurance, Armament, Anchor, Steering, Full Power and Astern Trials October 11.
"REGINA"	Launched October 14th.
"THE PAS"	Passed Acceptance Trial & sailed October 15th.

MINESWEEPERS

"THUNDER"	Passed Acceptance Trial October 11, Accepted and commissioned October 14.

FAIRMILES

"Q052"	Passed Endurance Trial October 12.

FISHERMEN'S RESERVE PATROL VESSELS

"MOOLOCK"	Launched October 15th.

(c) SENIOR TECHNICIAN; TECHNICAL DIVISION

It has been decided to order Sweeping Acoustic gear type C for 48 Bangor class minesweepers from Admiralty. Ships proceeding to United Kingdom will have the gear fitted there.

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The Metallurgical laboratory is investigating the analysis and structure of superheater tubes now ready for delivery by Dominion Bridge Company Ltd.

(f) SUPERINTENDENT OF A/S

Expenditures for new Asdic equipment in ships, Sonic buoy installations, Echo-Sounding equipment etc., will amount to $1,622,300; maintenance costs for the above gear and also for equipment completely installed by March, 1942 total $328,100.

(g) RADIO DIRECTION FINDING OFFICER

Conferences were held at Research Enterprises Limited attended by Radio Direction Finding Officer to investigate the cause of delay in the delivery of SW-IC's. Among other matters taken up with the Research Enterprises Limited were: 1. Establishment of the position with respect to motor generators, magnetrons and magnetron magnets with the object of arriving at a conclusion regarding the possibility of production of the new 10 cm. Radio Direction Finder in the early summer of 1942; 2. Arrangements were made to improve the instruction being given to the three Electrical Artificers now in Ottawa.

The equipping of "PRINCE ROBERT" with SW-IC is due for completion this week; "PRINCE DAVID" is being equipped at Halifax; 9 Corvettes are in various stages of being fitted; arrangements were made with Commander-in-Chief American and West Indies Station to equip "PRINCE HENRY" in Halifax at the end of October rather than to equip her in Bermuda as was the original plan.

Definite progress has been made in establishing a Naval Radio Direction Finding group at National Research Council.

(h) SUPERINTENDENT OF BOOM DEFENCE

The new Boom Defence Depot at Dartmouth has been occupied and maintenance work in the future will be carried out at this Base. Work progresses on Derrick No. 8 building at Kingston, Ont., for duty at Gaspe, delivery anticipated for November 1st. A/S net at Shelburne is completed. Plans and estimates are being prepared for the new Anti Boom defence from Verney Island to Dundas Point at Prince Rupert Base, construction to commence upon completion of the preliminary details; Gate Vessel No. 6 for use here was successfully launched at the Star Shipyards, while the snag-boat "ESSINGTON" commenced maintenance of the A/S net on October 1st.

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(i) RESEARCH LIAISON OFFICER

Research in plastic armour has assumed importance in the light of recent developments using resin plastics. Work on this project is held up temporarily through mechanical failure of the moulding dies employed.

(j) DEGAUSSING OFFICER

During the past week one permanent degaussing installation was completed, 6 semi-permanent; repairs carried out on 3 H.M.C. Ships, 14 merchant vessels; while 1 compass corrector coil was installed.

One ship was depermed in Halifax during the past week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $149,389.00.

CHIEFS OF STAFF COMMITTEE

18th October,
1 9 4 1

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DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 10

Ottawa, 25th October, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 103

(For week ending 25th October)

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NAVAL SERVICES

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 23rd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	356	3,449	3,805
R.C.N.R.	703	3,883	4,586
R.C.N.V.R.	2,072	16,204	18,276
TOTAL	3,131	23,536	26,667

Increase - 174

(b) Recruiting Activities from October 16th, 1941, to October 23rd, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	3	5
R.C.N.R.	1	9	10
R.C.N.V.R.	4	177	181
TOTAL	7	189	196

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	1	1
Discharges (a) Med. unfit	1	10	11
(b) Other Reasons	0	10	10
TOTAL	1	21	22

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N.V.R. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Division NOT on Active Service:-

Officers	Ratings	TOTAL
173	988	1,161

2. CASUALTIES

(a) Kenneth C. McRAE, R.C.N.V.R. - wounded during air attack.

(b) William Edward RICHARDSON, Acting E.R.A. 4th Cl., O.N. V.23098 - Died October 14th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	331	362
Other Deaths.....	4	41	45
TOTAL.....	35	372	407
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.S. "CHITRAL" from Saint John, N.B. 17.10.41.

(ii) H.M.C.S. "SPIKENARD" 18.10.41.

(iii) H.M.C. Ships "MALPEQUE"; "MINAS" from Esquimalt via Panama 19.10.41.

(iv) H.M.C.S. "SUMMERSIDE" from escort duties 19.10.41.

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(v) H.M.C.S. "SHAWINIGAN" 19.10.41.

(vi) H.M.C.S. "BUCTOUCHE" 20.10.41.

(vii) H.M.C.S. "COBALT" 20.10.41.

(viii) H.M.C.S. "GALT" from escort duties 22.10.41.

- Departures -

(ix) Cable Ship "CYRUS FIELD" for Cape Race 18.10.41.

(x) H.M.C.S. "WASAGA" for Bermuda 20.10.41.

(xi) H.M.C.S. "BATTLEFORD" for Sydney 21.10.41.

(xii) H.M.C.S. "MORDEN" for Sydney 21.10.41.

(xiii) H.M.C.S. "COWICHAN" for Bermuda 21.10.41.

(xiv) H.M.C.S. "DUNVEGAN" for Sydney 21.10.41.

(xv) H.M.C.S. "ANNAPOLIS" on local escort duties 22.10.41.

(xvi) H.M.C.S. "BURLINGTON" 22.10.41.

(xvii) H.M.C.S. "SHAWINIGAN" 22.10.41.

- At St. John's -

- Arrivals -

(xviii) H.M.C.S. "ARROWHEAD" from escort duties 18.10.41.

(xix) H.M.S. "BROADWAY" 18.10.41.

(xx) H.M.S. "BURWELL" 18.10.41.

(xxi) H.M.S. "ACONITE" 19.10.41.

(xxii) H.M.S. "PRUDENT" from Halifax 19.10.41.

(xxiii) H.M.C.S. "ST. CROIX" on escort duties 19.10.41.

(xxiv) H.M.C.S. "RESTIGOUCHE" 21.10.41.

- Departures -

(xxv) H.M.C.S. "BUCTOUCHE" 18.10.41.

(xxvi) H.M.C.S. "AGASSIZ" on escort duties 19.10.41,

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(xxvii) H.M.C.S. "ALBERNI" on escort duties 19.10.41.

(xxviii) H.M.S. "ALYSSE" on escort duties 19.10.41.

(xxix) H.M.C.S. "BITTERSWEET" on escort duties 19.10.41.

(xxx) H.M.C.S. "COLLINGWOOD" on escort duties 19.10.41.

(xxxi) H.M.C.S. "WINDFLOWER" on escort duties 19.10.41.

(xxxii) H.M.S. "DIANTHUS" 20.10.41.

(xxxiii) H.M.C.S. "RESTIGOUCHE" on escort duties 22.10.41.

- At Iceland -

- Arrivals -

(xxxiv) H.M.C.S. "BADDECK" from escort duties 19.10.41.

- Departures -

(xxxv) H.M.C.S. "BRANDON" on escort duties westward 21.10.41.

(xxxvi) H.M.C.S. "CAMROSE" on escort duties westward 21.10.41.

(xxxvii) H.M.C.S. "COLUMBIA" on escort duties westward 21.10.41,

(xxxviii) H.M.S. "MIMOSA" on escort duties 21.10.41.

(xxxix) H.M.C.S. "SHEDIAC" on escort duties 21.10.41.

(xl) H.M.C.S. "SKEENA" on escort duties 21.10.41.

(xli) H.M.C.S. "WETASKIWIN" on escort duties 21.10.41.

.....

(xlii) H.M.C.S. "BATTLEFORD" arrived Sydney 22.10.41.

(xliii) H.M.C.S. "DUNVEGAN" arrived Sydney 22.10.41.

(xliv) H.M.C.S. "RACCOON" sailed Gaspe on patrol 18.10.41.

(xlv) H.M.C.S. "REINDEER" sailed Gaspe on patrol 18.10.41.

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(xlvi) H.M.C.S. "SUDBURY" arrived Quebec 20.10.41. sailed 22.10.41 for Halifax.

(xlvii) H.M.C.S. "VISON" sailed Gaspe on patrol 19.10.41.

(xlviii) HX 155 sailed from Halifax 16.10.41 with the following U.S. Ship escort: U.S. Ships "ROE", "BAINBRIDGE", "STURTEVANT", "OVERTON", "TRUXTON".

(xlix) HX 156 sailed Halifax 22.10.41 with the following escorts U.S. Ships "BENSON", "NIBLACK", "H.P. JONES", "REUBEN JAMES", "TARBELL".

(l) S.C. 50 sailed ydney 17.10.41 with the following escorts H.M.C. Ships "ST. CROIX", "AGASSIZ", "WINDFLOWER", "ALBERNI", "BITTERSWEET", "COLLINGWOOD", "RESTIBOUCHE", H.M. Ship "ALYSSE".

(li) H.M.C. Ships "CLAYOQUOT", "QUINTE", "UNGAVA" departed San Pedro 16.10.41 en route Halifax from Esquimalt via Panama.

(lii) H.M.C.S. "PICTOU" left Iceland 4.10.41 to meet convoy bound for Canada. She went to the assistance of U.K. bound convoy which was attacked 15.10.41.

(liii) H.M.C.S. "PRINCE DAVID" refitting at Halifax, date of completion uncertain.

(liv) H.M.C.S. "PRINCE HENRY" arrived Trinidad with H.M.S. "CIRCASSIA" 22.10.41 from patrolling East of Trinidad. Object of patrol to intercept enemy raiders and supply ships.

(lv) H.M.C.S. "PRINCE ROBERT" will be sailed October 27th from Vancouver to escort "AWATEA" to Honolulu.

(lvi) The United Kingdom bound convoy which was attacked on October 15th suffered a loss of 8 ships sunk and one possible salvage.

(lvii) H.M.S. "AURANIA" proceeding to United Kingdom from Halifax with "MENESTHEUS" was torpedoed at 0301Z/21 October approximately three hundred miles south west of Ireland. She was able to proceed at 12 knots.

(lviii) H.M.S. "BROADWATER" escorting United Kingdom bound convoy, was torpedoed on October 18th, approximately two hundred and fifty miles north west of Ireland. Forty-five were killed and six injured. This ship was formerly with the Newfoundland Escort Force.

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(b) CONVOYS

The Halifax and Argentia sections of a convoy sailed on October 16th under the A/S escort of U.S. Ships "ROE", "BAINBRIDGE", "STURTEVANT", "OVERTON", "TRUXTON". The 55 ships in the convoy comprised 38 British, 7 Norwegian, 4 U.S., 2 Swedish, 2 Panamanian, 1 Greek, 1 Dutch.

The Sydney and Wabana sections of a convoy sailed October 17th under the A/S Escort of H.M.S. "ALYSSE", H.M.C. Ships "ST. CROIX", "RESTIGOUCHE", "AGASSIZ", "ALBERNI", "WINDFLOWER", "BITTERSWEET", "COLLINGWOOD". The 47 ships in the convoy comprised 34 British, 7 Norwegian, 4 Greek, 1 Panamanian, 1 Polish.

A convoy comprising 44 ships of which 22 were British, 11 Norwegian, 4 Panamanian, 3 Dutch, 2 Belgian, 1 Polish, 1 U.S. sailed from Halifax on October 22nd under the A/S escort of U.S. Ships "BENSON", "NIBLACK", "H.P. JONES", "REUBEN JAMES", "TARBELL".

This week there were two independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

As complete reports up to the present have not been received the D.E.M.S. inspections this week only number 42 as follows: Halifax (14) Montreal (17), Quebec (1), Sydney (10).

(b) Information regarding arming, etc., has been received regarding the following ships:

"ELINK"	4" gun mounted	Esquimalt
"ROMULUS"	4" gun mounted	Esquimalt
"LIMOGES"	4" gun mounted	Montreal
"SAN ANDRES"	3" gun mounted	Montreal
"MARIANNE"	3" gun mounted	Montreal
"FJORDAAS"	3" gun mounted	Sydney
"RIO NOVA"	3" gun mounted	Sydney
"ATLANTIC"	3" gun mounted	Sydney
"AUST"	3" gun mounted	Halifax
"A.W. SEWELL"	3" gun mounted	Halifax
"K.G. MELDAHL"	In hand arming	Halifax
"BRONXVILLE"	In hand arming	Esquimalt
"LOWLANDER"	In hand arming	Esquimalt

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(c) The degaussing equipment of 40 ships was inspected this week in Canadian Ports; all were reported as satisfactory.

(d) The British Ministry of War Transport, New York, reported the following in hand at United States Ports:-

D.G. Completed	15
D.G. Repairs	2
D.G. Modifications	1
In hand for D.G.	65
In hand for Repairs	8
In hand for Modifications	0

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction ships building for the R.C.N. include the following:-

H.M.C. CORVETTES

"THE PAS"	Passed Acceptance Trial and sailed October 15.
"EDMUNSTON"	Accepted and commissioned October 21.

MINESWEEPERS

"BELLECHASSE"	Launched October 20.
"DROMMONDVILLE"	Acceptance Trial passed October 16.
"GANANOQUE"	Full Power Trial passed October 18.
"QUATSINO"	Progressive, Turning, Steering, Astern, Anchor, and Full Power Trials October 20.

MOTOR TORPEDO BOATS

"Q-054"	Commissioned October 17.
"Q-052"	Passed Full Power Trial October 19, Accepted October 20.

FISHERMAN'S RESERVE PATROL VESSELS

"MOOLOCK"	Launched October 15th.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

The layout of the generator switchboard panel for the Bangor class minesweeper has been completed and the drawing of the supports for the panels is well advanced.

Arrangements have been made to obtain on loan from the British Admiralty Technical Mission two complete sets of Sweeping (Acoustic) gear type C. These will be installed in two Bangor class Minesweepers at Halifax dockyard. Arrangements are also being made to prepare all Bangor class minesweepers as far as possible, so that the gear can be installed as and when it becomes available from Admiralty.

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The Senior Technician; Technical Division visited Canadian Vickers during the week to discuss the arrangement of the tail cable terminal box and the cable reel on the LL Sweeper "DRUMMONDVILLE".

(g) SUPERINTENDENT OF A/S

The superintendent of A/S is in Halifax.

(h) RADIO DIRECTION FINDING OFFICER

H.M.C.S. "PRINCE ROBERT'S" Radio Direction Finding installation has been completed, results of trials are reported as satisfactory; a merchant ship at 15 miles was clearly indicated with accurate bearing. At 6 miles on a night trial the range and bearing were given to the searchlight which when switched on found the ship directly in the beam.

H.M.C.S. "WINDFLOWER" was also completed with the Radio Direction Finding gear, additional Corvettes are in progress of fitting.

Arrangements have now been completed with the National Research Council for the establishment of a Naval Radio Direction Finding group of officers and ratings in the Council's laboratories and field station for the purpose of accelerating progress in Naval Radio Direction Finding development.

The shipyards at Victoria and Vancouver were investigated by Lieut. Campbell with a view to fitting Radio Direction Finding rotating gear.

The Radio Direction Finding Officer visited Canadian Marconi Co., Montreal for a meeting with Research Enterprises Limited's representative, to make the final arrangements for the rapid production of a quantity of Panoramic Receivers.

Some progress is being made by Director of Works and Buildings (Naval) in the provision of Harbour protection Radio Direction Finding buildings at Gaspe and Saint John.

(i) SUPERINTENDENT OF BOOM DEFENCE

Boom Defence operations continue smoothly; Superintendent of Boom Defence is on inspection tour, while Inspector of Booms is in Kingston inspecting a derrick scow soon to be launched.

At Halifax the Boom Defence Officer and his staff are still stationed at the Halifax Dockyard awaiting the installation of lights and telephone at the new Dartmouth Depot. Considerable trouble is being experienced in maintaining the A/S net. Derrick Scow "SCARBOROUGH" is not always available for maintenance due to her various activities in the harbour. She is not as adaptable

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to this work as was the "JUPITER". An attempt is being made to have the "LADY LAURIER" assist in maintaining the boom pending the return of "JUPITER". At Shelburne difficulty is being experienced in arranging fresh water for the Gate Vessels. In the emergency the tanks on derrick scow "MASSON" have been cleaned for the purpose of carrying water to these vessels. There is at present no water boat available. At Prince Rupert the completion of net slab proceeds very slowly due to the small number of men employed by the contractor.

(j) RESEARCH LIAISON OFFICER

The first model of glass bar base range finder station keeper is in a state of partial completion. The bar has been sent to the U.S.A. for deposition of the gold reflecting surfaces and aluminum body castings have been constructed and partly machined.

(k) DEGAUSSING OFFICER

During the past week 4 permanent installations were completed (degaussing), one semi-permanent and repairs carried out on 2 H.M.C. Ships plus 24 merchant ships. There were 2 compass corrector coil installations.

The Director of Works and Buildings (Naval) has been notified that it will be necessary to make arrangements for the construction of a small jetty for the Vancouver Degaussing Range; Naval Stores are investigating the question of supplying a motor launch for use at this Range.

Four ships were depermed in Halifax during the week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $354,586.00.

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S E C R E T

COPY NO. C179345

DEPARTMENT OF NATIONAL DEFENCE

N.S. 5199-U, Vol. 10,

Ottawa, 1st November, 1941.

Summary of information Respecting
Departmental Activities.

SUMMARY NO. 104

(For week ending 1st November)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at October 30th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	360	3,443	3,803
R.C.N.R.	704	3,896	4,600
R.C.N.V.R.	2,075	16,281	18,356
TOTAL	3,139	23,620	26,759

Increase - 92

(b) Recruiting Activities from October 23rd, 1941, to October 30th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	4	1	5
R.C.N.R.	1	18	19
R.C.N.V.R.	4	109	113
TOTAL	9	128	137

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec.2)		0	0	0
Discharges	(a) Med. Unfit	1	26	27
	(b) Other Reasons	0	18	18
TOTAL		1	44	45

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N.from R.C.N.R.	0	0	0
To R.C.N.from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
169	993	1,162

2. CASUALTIES

- Nil -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	31	331	362
Other Deaths.....	4	41	45
TOTAL.....	35	372	407
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) Cable Ship "CYRUS FIELD" 24.10.41

(ii) H.M.C.S. "BURLINGTON" from Pictou 25.10.41.

(iii) H.M.C.S. "ANNAPOLIS" from local escort duties. 25.10.41.

(iv) H.M.C.S. "ORILLIA" from St. John's, Nfld. 26.10.41.

(v) H.M.C.S. "PICTOU" 26.10.41.

(vi) H.M.C.S. "SUDBURY" 26.10.41.

(vii) H.M.C.S. "ALGOMA" 27.10.41.

(viii) H.M.C.S. "CHAMBLY" 27.10.41.

(ix) H.M.C.S. "THUNDER" 30.10.41.

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	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
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- Departures -

(x) H.M.S. "AUSONIA" for United Kingdom 24.10.41.

(xi) H.M.S. "CHITRAL" for United Kingdom 24.10.41.

(xii) H.M.S. "MONTCLARE" for United Kingdom 24.10.41.

(xiii) H.M.S. "WORCESTERSHIRE" for United Kingdom 24.10.41.

(xiv) H.M.C.S. "GEORGIAN" for Pictou 27.10.41.

(xv) H.M.C.S. "MALPEQUE" for Pictou 27.10. 41.

(xvi) H.M.C.S. "BUCTOUCHE" for St. John's, Nfld. 28.10.41.

(xvii) HX 157 escorted by U.S. Ships "DALLAS", "ERICSSON", "EBERLE", "ELLIS", "UPSHUR" 28.10.41.

(xviii) H.M.C.S. "ANNAPOLIS" on local escort duties 29.10.41.

(xix) H.M.C.S. "COBALT" on escort duties 29.10.41.

(xx) Cable Ship "CYRUS FIELD" 29.10.41.

(xxi) H.M.C.S. "GALT" for St. John's, Nfld. 29.10.41.

(xxii) H.M.C.S. "KAMSACK" for Pictou 29.10.41.

- At Iceland -

- Arrivals -

(xxiii) H.M.C.S. "EYEBRIGHT" 23.10.41.

(xxiv) H.M.C.S. "KENOGAMI" 23.10.41.

(xxv) H.M.C.S. "NANAIMO"23.10.41.

(xxvi) H.M.C.S. "AMHERST" 24.10.41.

(xxvii) H.M.C.S. "LETHBRIDGE" 24.10.41.

(xxviii) H.M.C.S. "MAYFLOWER" 24.10.41.

(xxix) H.M.C.S. "PRESCOTT" 24.10.41.

- Departures -

(xxx) H.M.C.S. "EYEBRIGHT" on escort duties 26.10.41.

(xxxi) H.M.C.S. "KENOGAMI" on escort duties 26.10.41.

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(xxxii) H.M.C.S. "LETHBRIDGE" on escort duties 26.10.41.

(xxxiii) H.M.C.S. "MAYFLOWER" on escort duties 26.10.41.

(xxxiv) H.M.C.S. "NANAIMO" on escort duties 26.10.41.

- At St. John's -

- Arrivals -

(xxxv) H.M.S. "PRIMROSE" 23.10.41.

(xxxvi) H.M.C.S. "WINDFLOWER" 24.10.41.

(xxxvii) H.M.C.S. "OTTAWA" 25.10.41.

(xxxviii) H.M.C.S. "NAPANEE" 25.10.41.

(xxxix) H.M.C.S. "ARVIDA" 25.10.41.

(xl) H.M.C.S. "CHILLIWACK" 25.10.41.

(xli) H.M.C.S. "DAUPHIN" 25.10.41.

(xlii) H.M.C.S. "MATAPEDIA" 25.10.41.

(xliii) H.M.S. "NASTURTIUM" 28.10.41.

- Departures -

(xliv) H.M.C.S. "PICTOU" 24.10.41.

(xlv) H.M.S. "PRIMROSE" 24.10.41.

(xlvi) H.M.C.S. "SNOWBERRY" 24.10.41.

(xlvii) H.M.C.S. "TRAIL" 24.10.41.

(xlviii) H.M.S. "POLYANTHUS" 24.10.41.

(xlix) H.M.C.S. "CHAMBLY" 25.10.41.

(l) H.M.C.S. "ST. LAURENT" 25.10.41.

(li) H.M.C.S. "ARROWHEAD" 26.10.41.

(lii) H.M.C.S. "CHILLIWACK" 25.10.41.

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(liii) H.M.C.S. "CLAYOQUOT" arrived Balboa 27.10.41.

(liv) H.M.C.S. "HUSKY" arrived Saint John, N.B. 24.10.41.

(lv) H.M.S. "NASTURTIUM" sailed from United States 23.10.41.

(lvi) H.M.C.S. "THE PAS" arrived Quebec 25.10.41

(lvii) H.M.C.S. "PRINCE ROBERT" sailed Vancouver 28.10.41.

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(lviii) H.M.C.S. "QUINTE" arrived Balboa 27.10.41.

(lix) H.M.C.S. "RACCOON"sailed Gaspe 26.10.41 on patrol.

(lx) H.M.C.S. "THUNDER" sailed Quebec 27.10.41.

(lxi) H.M.C.S. "UNGAVA" arrived Balboa 27.10.41.

(lxii) H.M.C.S. "VISON" arrived Gaspe from patrol 27.10.41.

(lxiii) S.C. 51 sailed Sydney escorted by the following ships 23.10.41. H.M.C. Ships "BATTLEFORD", "DUNVEGAN", "ST. LAURENT", "ARROWHEAD", "CHILLIWACK", "SNOWBERRY", "TRAIL", H.M. Ships "POLYANTHUS", "PRIMROSE".

(lxiv) S.C. 52 sailed 29.10.41 escorted by "BROADWAY", "BURWELL", "NASTURTIUM", "ACONITE" and H.M.C. Ships "BUCTOUCHE", "GALT", "COBALT", "WINDFLOWER".

DIRECTOR OF OPERATIONS DIVISION

H.M.C. Ships "CHEDABUCTO", "MAHONE" are expected to be sailed from Esquimalt to Halifax on or about November 11th.

Q. 054 (Fairmile) arrived Quebec 29th October from Montreal.

M.T.B. 332, 333, 335, 336 built by Canadian Power Boat Company for the R.C.N. and released to the R.N. for duty in the Eastern Mediterranean, are en route to New York from Montreal via Richelieu River. Three of these Motor Torpedo Boats grounded at Port aux Reef on October 27th. They have all been refloated and those badly damaged will be towed to New York for repairs.

On October 24th, the Admiralty reported about four submarines in the vicinity of the Straits of Belle Isle. All shipping through the Strait was ordered diverted. The same day Naval Officer-in- Charge Quebec reported that the S.S. IDEFZORD when in that vicinity on the 22nd of October had heard and felt an explosion though this could not be confirmed. In order to check these reports Commodore Commanding Newfoundland Force was instructed to investigate. Three Catalina flying boats were sent out and H.M.C.S. "MORDEN" from Sydney was ordered to intercept S.S. "CAROLUS" and escort her to Hamilton Inlet. On the 25th aircraft

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sighted a submarine through clouds and rain squalls and carried out an unsuccessful attack in position 51° 14' N., 53° 40' W. Two days later aircraft of the Eastern Air Command sighted a submarine in 51°28' N, 53° 30' W., but it is not known if an attack was carried out at this time. H.M.C.S. "MORDEN" reported a contact and that she had dropped four patterns on it. This was on the 28th and though "MORDEN" reported that a large oil slick was seen no further information is available at this time.

In the same period reports were received that fishermen had sighted a submarine in Trinity Bay and green flares at Puch Cover, Nfld.

H.M.C. Ships "WASAGA" and "COWICHAN" were despatched to Bermuda to assist in the working up exercises of H.M.S. "INDOMITABLE" and will be released on November 1st to return to Halifax. H.M.S. "INDOMITABLE" is an aircraft carrier of the Illustrious Class newly commissioned.

It was announced with regret by the Admiralty on October 26th that H.M. Corvette "GLADIOLUS" is overdue and must now be considered as lost.

As was reported in Memo. No. 5 of October 25th S.S. "VANCOUVER ISLAND" was torpedoed and must now be considered to have been sunk.

H.M.S. "AURANIA" after being torpedoed arrived safely in the Clyde.

H.M.C.S. "PRINCE DAVID" refitting in Halifax.

H.M.C.S. "PRINCE HENRY" returning to Halifax from Bermuda expects to arrive November 1st.

H.M.C.S. "PRINCE ROBERT" sailedescorting S.S. "AWATEA" to Honolulu and Manila. "AWATEA" has two battalions of Canadian troops for the reinforcement of the garrison at Hong Kong.

Admiralty reported that O.N. 28 and S.C. 50 were probably being shadowed by U-Boats and felt that both had been sighted and evasive routing was ordered. Five Armed Merchant Cruisers of North Atlantic Escort Force have been withdrawn from Canadian waters. These ships were part of the original escort force under the Command of R.A. 3.

The United States have brought into force a daily 1900 Greenwich Mean Time report of Convoys in their Western Atlantic area. This report is similar to the Commanding Officer Atlantic Coast's 2000Z forecast which is issued daily.

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(b) CONVOYS

The Sydney and Wabana sections of a convoy sailed on October 23rd under the A/S Escort of H.M.C. Ships "ST. LAURENT", "ARROWHEAD", "SNOWBERRY", "CHILLIWACK", "TRAIL", and H.M. Ships "PRIMROSE" and "POLYANTHUS". The 41 ships in the convoy comprised 25 British, 6 Norwegian, 3 Greek, 4 Panamanian, 2 Dutch, 1 Yugoslavian.

The Halifax and Wabana sections of a convoy sailed on October 28th under the A/S Escort of U.S. Ships "DALLAS", "ERICSSON", "EBERLE", "ELLIS" "UPSHUR". The 45 ships in the convoy comprised 32 British, 4 Norwegian, 3 Dutch, 2 Panamanian, 1 Greek, 1 U.S., 1 Swedish, 1 Icelandic.

This week there were three independent trans-ocean sailings from the Atlantic Coast.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

D.E.M.S. inspections this week and the remainder of last week numbered 191 in the following ports: Halifax (135), Sydney (52), Esquimalt (2) Saint John (2).

(b) Information regarding arming, etc. has been received regarding the following ships:-

"TANK EXPRESS"	3" gun mounted	Halifax
"TOLEDO"	3" gun monnted	Halifax
"INGRID"	3" gun mounted	Sydney
"EMPIRE PLANET"	In hand arming	Halifax
"BRIMANGER"	In hand arming	Esquimalt

(c) The degaussing equipment of 189 ships was inspected this week in Canadian Ports: 185 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported the following in hand at United States Ports:

D.G. Completed	17
D.G. Repairs	4
D.G. Modifications	1
In hand for D.G.	55
In hand for Repairs	11
In hand for Modifications	0

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(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction ships building for the R.C.N. include the following.

H.M.C. CORVETTES

"SUDBURY"	Commissioned October 15.
"THE PAS"	Commissioned October 21.
"LA MALBAIE"	Launched October 25.

MINESWEEPERS

"THUNDER"	Commissioned October 14.
"SWIFT CURRENT"	Progressive, Full Power, Astern and Turning Trials October 24.
"CHIGNECTO"	Passed Armament, Anchor, Astern, Steering, Progressive, Turning and Full Power Trials October 25.

FAIRMILES

"Q-057"	Passed Progressive, Full Power and Turning & Astern Trials October 26.
"Q-065"	Launched October 28.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

Drawings of generator switchboard supports were completed, thereby terminating details of the layout of LL gear in the engine room of the Bangor Minesweepers.

The Senior Technician Technical Division's visit to Canadian Vickers Limited resulted in some changes being made in the placement of stanchions at the location of the motor operated cable reel.

Demands from Halifax Dockyard for articles for controlled minefield work resulted in Admiralty pattern drawings being procured and manufacturing drawings being prepared and passed to Director of Naval Stores.

The question of the relative merits of Acid Open Hearth steels were investigated with regard to turbine casings for Tribal class destroyers. It was decided that the contractor would be allowed to use Basic Open Hearth steel.

The Senior Technician Technical Division left Naval Service Headquarters for Halifax in connection with acoustic and magnetic minesweeping.

(g) SUPERINTENDENT OF A/S

Arrangements were made for the stowage on deck of underwater components of the "FAIRMILE" set of A/S Type 134A, during such time as these components are not fitted in operating position.

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(h) RADIO DIRECTION FINDING OFFICER

The installation of Radio Direction Finding on H.M.C.S. "BUCTOUCHE" is completed.

The type P2 Panoramic receiver has arrived from Montreal and is now in Ottawa being tested with a special antenna, all of which will be installed on a corvette being selected by Commodore Commanding Newfoundland Force.

The 15 ratings supplied to National Research Council at the request of the Interservice Radio Direction Finding Committee are steadily employed at the National Research Council in company with an equal number of men from the Royal Canadian Air Force and the Army. These men are not receiving instruction in general sense of the word, but instead are in effect additional employees of the National Research Council on general Radio Direction Finding construction work.

Delivery of 9 SW-IC's has been made by Research Enterprises Limited up to the 22nd of October; 1 has been supplied to British Admiralty Repair Mission for installation in one of H.M. Ships in the United States; 10 have been supplied in the last week, 20 being expected to be available by November 1st.

The Radio Direction Finding Headquarters group has made itself familiar with the progress of infra red detection systems now employed experimentally in the United Kingdom.

(i) SUPERINTENDENT OF BOOM DEFENCE

Boom Defence Operations proceed according to schedule. For St. John's, Nfld. the A/T maintenance vessel "KIPAWO" has been fitted with a derrick and is due to leave Quebec for St. John's.

(j) RESEARCH LIAISON OFFICER

To facilitate searching operations for enemy radio stations over the frequency range of 1.5 - 30 megacycles, there has been proposed by Foreign Intelligence Section the development of a Panoramic Receiver fitted with some means of furnishing a permanent record of all stations operating in the stated range, and to record time of origin and duration of each signal automatically.

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The use of such equipment would release personnel now performing manual searching operations, to the copying of signals when and as they appear on the automatic recorder. In addition to this, a complete continuous sweep would be obtained as contrasted to the discontinuous sweep now obtained through manual operations with standard receivers.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $407,222.00.

CHIEFS OF STAFF COMMITTEE

3rd November,
1941.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 10,
Ottawa, 8th November, 1941.

Summary of information Respecting
Departmental Activities.

SUMMARY NO. 105

(For week ending 8th November)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 6th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	361	3,446	3,807
R.C.N.R.	704	3,898	4,602
R.C.N.V.R.	2,074	16,326	18,400
TOTAL	3,139	23,670	26,809

Increase - 50

(b) Recruiting Activities from October 30th, 1941 to November 6th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	1	4	5
R.C.N.R.	0	3	3
R.C.N.V.R.	0	70	70
TOTAL	1	77	78

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec.2)		1	3	4
Discharges	(a)Med. Unfit	0	5	5
	(b)Other Reasons	0	19	19
TOTAL		1	27	28

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N.V.R. from R.C.N.	0	1	1
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	5	5
TOTAL	0	8	8

(e) Complement borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
170	1,084	1,254

2. CASUALTIES

(a) Douglas M. BAIN, Lieut. R.C.N.V.R. - Missing in S.S. "EMPIRE WAVE" - sunk October 1st, 1941.

(b) Robert K. McLELLAND, A.B., V.22549 - Missing in S.S. "EMPIRE WAVE".

(c) Burris G. McLEOD, A.B., A.1014 - Missing in motor vessel "VANCOUVER ISLAND" - believed sunk, October 15, 1941.

(c) John C. ARDAGH, A.B., V. 7840 - Missing in motor vessel "VANCOUVER ISLAND".

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	32	334	366
Other deaths	4	41	45
TOTAL.....	36	375	411
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) Cable Ship "CYRUS FIELD" 31.10.41.

(ii) H.M.C.S. "GEORGIAN" 31.10.41.

(iii) H.M.C.S. "MALPEQUE" from Pictou 31.10.41.

(iv) H.M.C.S. "KAMSACK" from Pictou 1.11.41.

(v) H.M.C.S. "PRINCE HENRY" 1.11.41.

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(vi) H.M.C.S. "SHAWINIGAN" from Pictou 1.11.41.

(vii) H.M.S. "BURNHAM" 2.11.41.

(viii) H.M.C.S "COLUMBIA" 3.11.41

(ix) H.M.C.S. "ANNAPOLIS" 3.11.41

(x) H.M.C.S. "BRANDON" 4.11.41.

(xi) H.M.C.S "THE PAS" from Gaspe 4.11.41.

(xii) H.M.C.S. "COWICHAN" 5.11.41.

(xiii) H.M.C.S. "WASAGA" 5.11.41.

- Departures -

(xiv) H.M.S. "BURNHAM" for St. John's, Nfld. 2.11.41.

(xv) H.M.C.S. "ALGOMA" for St. John's, Nfld. 3.11.41.

(xvi) H.M.C.S. "CHAMBLY" for St. John's, Nfld. 3.11.41.

(xvii) H.M.C.S. "DRUMHELLER" for Pictou 3.11.41.

(xviii) H.M.C.S. "LOUISBURG" for Pictou 3.11.41.

(xix) H.M.C.S. "MINAS" for Pictou 3.11.41.

(xx) H.M.C.S. "ORILLIA" for St. John's, Nfld. 3.11.41.

(xxi) H.M.C.S. "PICTOU" for St. John's, Nfld. 3.11.41.

(xxii) H.M.S. "PIORUN" on escort duties 4.11.41.

(xxiii) H.M.C.S. "SUDBURY" for Pictou 3.11.41.

(xxiv) H.M.C.S. "SUMMERSIDE" for Pictou 3.11.41.

(xxv) HX 158 escorted by U.S. Ships; "BUCK", "LUDLOW", "SWANSON", "J.G. McCORMICK", "COLE" and local escort H.M.C.S. "ANNAPOLIS" 3.11.41.

- At St. John's -

- Arrivals -

(xxvi) H.M.C.S. "BUCTOUCHE" 30.10.41.

(xxvii) H.M.C.S. "GALT" 30.10.41.

(xxviii) H.M.C.S. "BRANDON" 1.11.41.

(xxix) H.M.C.S. "CAMROSE" 3.11.41.

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(xxx) H.M.S. "TIMOSA" 3.11.41.

(xxxi) H.M.C.S. "SHEDIAC" 3.11.41.

(xxxii) H.M.C.S. "SKEENA" 3.11.41.

(xxxiii) H.M.C.S. "ALGOMA" 6.11.41.

(xxxiv) H.M.C.S. "CHAMBLY" 6.11.41.

(xxxv) H.M.S. "NASTURTIUM" 6.11.41.

(xxxvi) H.M.C.S. "OPILLIA" 6.11.41.

(xxxvii) H.M.C.S. "PICTOU" 6.11.41.

(xxxviii) H.M.S. "PRUDENT" 6.11.41.

(xxxix) H.M.C.S. "WETASKIWIN" 2.11.41.

(xl) H.M.C.S. "BUCTOUCHE" on escort duties 3.10.41.

(xli) H.M.S. "BROADWAY" on escort duties 31.10.41.

(xlii) H.M.C.S. "GALT" on escort duties 31.10.41.

(xliii) H.M.S. "BURWELL" on escort duties 2.11.41.

(xliv) H.M.C.S. "BRANDON" 3.11.41.

(xlv) H.M.C.S. "DAUPHIN" 3.11.41.

(xlvi) H.M.C.S. "MATAPEDIA" on escort duties 3.11.41.

(xlvii) H.M.C.S. "NAPANEE" on escort duties 4.11.41.

(xlviii) H.M.C.S. "ALGOMA" 6.11.41.

(xlix) H.M.C.S. "ARVIDA" 6.11.41.

(l) H.M.C.S. "CHAMBLY" 6.11.41.

(li) H.M.C.S. "MATAPEDIA" 6.11.41.

(lii) H.M.C.S. "NAPANEE" 6.11.41.

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(liii) H.M.C.S. "CLAYOQUOT" sailed Colon 30.10.41, arrived Kingston 1.11.41 sailed Kingston, Ja. 5.11.41.

(liv) H.M.C.S. "MORDEN" arrived Cornerbrook 3.11.41.

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(lv) H.M.C.S. "RACCOON" arrived Gaspe 3.11.41 from patrol.

(lvi) H.M.C.S. "VISON" sailed Gaspe 30.10.41 arrived Gaspe 2.11.41, sailed again 3.11.41 for Dalhousie and arrived 4.11.41.

(lvii) S.C. 53 sailed Sydney 4.11.41 with the following escorts: H.M.C. Ships "OTTAWA" "CHAMPLAIN", "ORILLIA", "DAUPHIN", "ARVIDA", "ALGOMA", "SOREL", "MAYFLOWER", "DUNVEGAN" "SOREL" and "DUNVEGAN" local escorts.

DIRECTOR OF OPERATIONS DIVISION

1. On October 6th "MAYFLOWER" with thirty-four survivors from S.C. "SAN FLORENTINO" reported provisions running short and returned to St. John's. Orders have since been issued to all ships to embark extra provisions and clothing.

2. "KENOGAMI", while escorting S.C. 42, sighted a submarine on the surface, and gave chase, but owing to superior speed of submarine was not able to make contact, and the submarine escaped on the surface. Thirty-four survivors of S.S. "SALLY MAERSK" were picked up.

3. H.M.C.S. "AMBLER" was sailed from Quebec, and has arrived at Halifax. She will be employed as a training ship.

4. H.M.C.S. "KIPAWO" sailed from Quebec for St. John's, Nfld., where she will be employed as baffle maintenance vessel.

5. H.M.C.S. "PRINCE ROBERT", escorting "AWATEA", arrived at Honolulu on the 2nd of November, sailing shortly afterwards for Manila.

6. H.M.C.S. "OTTAWA" arrived at Halifax, from St. John's, Nfld. for refit.

7. H.M.S. "INDOMITABLE" completed working up at Bermuda, and sailed for Jamaica. When entering Kingston harbour ship grounded, but was floated the next day. Two R.C.N. Bangor Class Minesweepers were used as Attendant Vessels during her working up period.

8. A special convoy which left Hampton Roads on October 25th, was escorted by a U.S.A. naval force consisting of one Battleship, one Aircraft Carrier, two Cruisers, and nine Destroyers, and has now arrived safely in the United Kingdom.

9. A signal presumed to be originated by H.M. Oiler "OLWEN", was intercepted on November 4th, saying that she was being attacked by a raider. On the 6th of November a U.S.A. naval force in 00° 35' N., 27° W. intercepted a German supply ship. This ship

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attempted to scuttle herself, but whether successful or not cannot be ascertained at this time.

10. Since last report of submarines and attack by H.M.C.S. "MORDEN" in the straits of Belle Isle, "MORDEN" has been acting as escort for ships routed via Cornerbrook to Hamilton Inlet, where a large R.C.A.F. airdrome is being constructed.

11. A Westbound convoy was attacked on November the 3rd, in position 51° 21' N., 51° 45' W., which is in the close vicinity of the "MORDEN" attack. Two ships were sunk, survivors being picked up by "WINDFLOWER". Later on the same day a second U-boat attack was made, and two more ships sunk. The convoy was ordered to scatter and return to Sydney, via straits of Belle Isle, but owing to the thick fog, two more ships were lost by grounding. "BUCTOUCHE", at 2316Z/3, carried out a counter-attack in 52° 10' W., 52° 50' W., and a large amount of oil was sighted.

CONVOYS

A convoy comprising 35 ships of which 24 were British, 4 Greek, 2 U.S., 1 Norwegian, 1 Polish, 1 Swedish, 2 Panamanian, sailed from Sydney on October 29th under the A/S Escort of H.M.C. Ships "COBALT", "BUCTOUCHE", "WINDFLOWER" and H.M. Ships "BROADWAY", "BURWELL", "ACONITE", "NASTURTIUM.

Convoy ordered to return to Sydney November 3rd. Note: Information on this Convoy incomplete last week.

A convoy comprising 41 ships of which 26 were British, 9 Norwegian, 4 Dutch, 1 U.S., 1 Panamanian sailed from Halifax on November 3rd under the A/S Escort of U.S. Ships "BUCK", "LUDLOW", "SWANSON", "J.G. McCORMICK", "COLE".

This week there were no independent trans-ocean sailings.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and forty-two D.E.M.S. inspections were carried out this week in the following ports: Halifax (79), Sydney (29), Montreal (29), Saint John(2), Quebec (2), Esquimalt (1).

(b) Information regarding arming, etc., has been received regarding the following ships:-

"SKOTTLAND"	3" gun mounted	Quebec
"K.G. NELDAHL"	3" gun mounted	Halifax
"MONTEVIDEO"	In hand arming	Halifax

(c) The degaussing equipment of 140 ships was inspected this week in Canadian ports; 135 were reported as satisfactory; repairs have been carried out on the remainder.

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(d) The British Ministry of War Transport New York, reported the following in hand at United States Ports:-

D.G. Completed	15
D.G. Repairs	6
D.G. Modifications	0
In hand for D.G.	53
In hand for Repairs	8
In hand for Modifications	0

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction building for the R.C.N. include:-

H.M.C. CORVETTES

"MIDLAND"	Completed Progressive, Endurance, Steering, Anchor, trials Novem- 2.

MINESWEEPERS

"GODERICH"	Engineer's Progressive, Full Speed, Turning, Anchor, Astern Trials October 31.
"CHIGNECTO"	Accepted and commissioned October 31.
"DRUMMONDVILLE"	Commissioned October 30.
"QUATSINO"	Accepted and commissioned November 3.

FAIRMILES

"Q-052"	Commissioned October 31.
"Q-060"	All trials and acceptance successful November 1.

FISHERMEN'S RESERVE PATROL VESSELS

"TALAPUS"	Dock, Progressive, Endurance, Anchor and Steering Trials November 1.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

A Netherlands trawler with type A S/A gear was in Halifax during the week. A number of records were taken using the microphones on the sea bottom on the deep degaussing range. These records, when fully analysed will be valuable as a basis for trials with other S/A gear. Double pipe noise makers were also towed over the range during the same series of trials and good records obtained.

Ventilation of battery rooms on "SUDEROYS" is inadequate; the matter is receiving close study.

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Officers in Naval Service are sending increasing requests for help to the Metallurgical Laboratory, always with satisfactory results.

(g) SUPERINTENDENT OF A/S

Totals of ships fitted with asdics 1941-42 program:

Ship	Set	No.
CORVETTES	123A	57
BANGOR M/S	128	11
FAIRMILES	134A	1

Design of the Welland Scale was completed and arrangements commenced for having this item manufactured.

While in Halifax the method of supply of prospective Submarine Detector ratings for training was discussed, then taken up with Director of Naval Personnel. Two decisions were made (a) Ratings already in training, who meet certain requirements, are to be earmarked by training officers and suitable arrangements made for passing them through the University of Toronto training course. (b) Drafting authorities are to treat the supply of ratings to the A/S school for training as of first priority, and suitable ratings are to be withdrawn from ships and establishments at a rate which will keep the A/S school working at capacity.

Data respecting the manufacture and use of the Gourd Target were passed to Commanding Officer Pacific Coast with the intention that this device may be manufactured and used to increase practice time in certain details of A/S Attack procedure.

(h) RADIO DIRECTION FINDING OFFICER

Lt. Carlisle has been sent to Boston to assist British Admiralty Repair Mission in fitting Canadian Radio Direction Finding in H.M.S. "CALIFORNIA".

A party has proceeded to Halifax to fit the Panoramic Receiver in H.M.C.S. "BRANDON", and a specially trained operator has been drafted to operate the receiver on voyage to Tobermory and return. Complete information has been furnished to British Admiralty Technical Mission for forwarding to the Admiralty in order that they may have their specialists examine the receiver at Tobermory.

The Naval group at National Research Council has made progress in several projects including modification of the Yagi serial for operation on 213 megacycles, development of the flexible rotating mechanism and design of the 10 c.m. Radio Direction Finding.

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Testing of the Radio Direction Finding beacon is held up due to the non-availability of of H.M.C.S. "BEAVER".

(i) Inspector of Boom Defence

Routine operations proceed according to schedule.

(j) RESEARCH LIAISON OFFICER

The Dominion Rubber Company have produced a sleeveless life jacket employing neoprene closed cell sponge rubber as the buoyant material; this possesses advantages over conventional inflator safety belts in that it may be worn as an article of clothing, providing excellent heat insulating properties as well as instantaneous and permanent buoyancy; initial sample submitted weighed 57 ounces for a buoyancy of 13 pounds - a re-design should bring the buoyancy to the required 15 pounds specified for safety belts.

Developments on means for increasing the efficiency of plastic armour have indicated that the title "Synthetic Armour" is now more appropriate for this research project. Further intensive experiment is under way on this subject.

(k) DEGAUSSING OFFICER

The shortage of degaussing cables will not be relieved until New York can ship in larger quantities.

During the past week 2 permanent degaussing installations were completed; 3 semi-permanent; repairs carried out on 4 H.M.C. Ships and 17 merchant vessels; 1 compass corrector coil was installed.

The Vancouver degaussing Range hut has been started; latest information indicates construction should be complete by 15th November; coils and cable will be laid by the British Columbia Telephone Company, who have offered to do this work at cost.

Three ships were depermed at Halifax during the week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $50,277.00.

CHIEFS OF STAFF COMMITTEE

8th November,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ. S. 5199-U, Vol. 15

Ottawa, 15th November, 1941.

Summary of information Respecting
Departmental Activities.

SUMMARY NO. 106

(For week ending 15th November)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 13th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	354	3,447	3,801
R.C.N.R.	722	3,898	4,620
R.C.N.V.R.	2,083	16,346	18,429
TOTAL	3,159	23,691	26,850
		Increase	41

(b) Recruiting Activities from November 6th, 1941, to November 13th, 1941.

	Officers	Ratings	TOTAL
R.C.N.	5	2	7
R.C.N.R.	18	13	31
R.C.N.V.R.	10	47	57
TOTAL	33	62	95

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See sec.2)	0	1	1
Discharges (a) Med. Unfit	0	13	13
x (b) Other reasons	13	27	40
TOTAL	13	41	54

x - Deducted 12 R.N. Officers included in previous reports by error. These officers are for "R.C.N. rates of pay only".

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
202	1,138	1,340

2. CASUALTIES

(a) Herbert Albert THOMPSON, A.B., V30371, Lost at sea in H.M.C.S. "CHILLIWACK".

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	32	335	367
Other Deaths.....	4	41	45
TOTAL.....	36	376	412
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "DRUMHELLER" from Pictou. 6.11.41.

(ii) H.M.C.S. "ANNAPOLIS" 7.11.41.

(iii) H.M.C.S. "OTTAWA" 7.11.41.

(iv) H.M.C.S. "MAYFLOWER" 8.11.41.

(v) H.M.C.S. "ANNAPOLIS" 10.11.41.

(vi) H.M.C.S. "SASKATOON" 11.11.41.

(vii) H.M.C.S. "KAMLOOPS" from local escort duties 12.11.41.

(viii) H.M.C.S. "MINAS" 12.11.41.

(ix) H.M.C.S. "SUDBURY" 12.11.41.

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- Departures -

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(x) H.M.C.S. "SASKATOON" on local escort duties 8.11.41.

(xi) HX 159 escorted by U.S. Ships "PLUNKETT", "DECATUR", "LIVERMORE", "BADGER", "COLE", "CAMPBELL" 8.11.41.

(xii) H.M.C.S. "DRUMHELLER" for Sydney 9.11.41.

(xiii) H.M.C.S. "MINAS" for Pictou 9.11.41.

(xiv) H.M.C.S. "SUMMERSIDE" for Sydney 9.11.41.

(xv) H.M.C.S. "ANNAPOLIS" on escort duty 10.11.41.

(xvi) H.M.C.S. "GEORGIAN" for Pictou 11.11.41.

(xvii) H.M.C.S. "EYEBRIGHT" for refit in U.S.A. 11.11.41.

(xviii) H.M.C.S. "THE PAS" for Pictou 11.11.41.

(xix) H.M.C.S. "THUNDER" for Pictou 11.11.41.

- At St. John's -

- Arrivals -

(xx) H.M.S. "ACONITE" 6.11.41.

(xxi) H.M.C.S. "ALGOMA" 6.11.41.

(xxii) H.M.S. "BROADWAY" 6.11.41.

(xxiii) H.M.C.S. "CHAMBLY" 6.11.41.

(xxiv) H.M.C.S. "COBALT" 6.11.41.

(xxv) H.M.C.S. "NANAIMO" 6.11.41.

(xxvi) H.M.C.S. "BUCTOUCHE" 7.11.41.

(xxvii) H.M.C.S. "GALT" 7.11.41.

(xxviii) H.M.C.S. "KENOGAMI" 7.11.41.

(xxix) H.M.C.S. "GALT" 9.11.41.

(xxx) H.M.S. "PRUDENT" 10.11.41.

(xxxi) H.M.C.S. "SOREL" 12.11.41.

(xxxii) H.M.C.S. "BRANDON" 12.11.41.

(xxxiii) H.M.C.S. "COLUMBIA" 12.11.41.

(xxxiv) H.M.C.S. "DUNVEGAN" 13.11.41.

(xxxv) H.M.C.S. "MORDEN" 13.11.41.

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- Departures -

(xxxvi) H.M.C.S. "ALGOMA" 6.11.41.

(xxxvii) H.M.S. "BURNHAM" on escort duties 6.11.41.

(xxxviii) H.M.C.S. "CHAMBLY" on escort duties 6.11.41.

(xxxix) H.M.C.S. "DAUPHIN" on escort duties 6.11.41.

(xl) H.M.C.S. "MAYFLOWER" for Halifax 6.11.41.

(xli) H.M.C.S. "ARVIDA" on escort duties 6.11.41.

(xlii) H.M.S. "BROADWAY" on escort duties 9.11.41.

(xliii) H.M.C.S. "BUCTOUCHE" 9.11.41. on escort duties.

(xliv) H.M.C.S. "GALT" on escort duties 9.11.41.

(xlv) H.M.C.S. "PICTOU" on escort duties 10.11.41.

(xlvi) H.M.C.S. "WINDFLOWER" 10.11.41.

(xlvii) H.M.S. "ROMSEY" for Boston 11.11.41.

(xlviii) H.M.S. "ACONITE" on escort duties 12.11.41.

(xlix) H.M.C.S. "BRANDON" on escort duties 12.11.41.

(l) H.M.C.S. "CAMROSE" on escort duties 12.11.41.

(li) H.M.S. "MIMOSA" on escort duties 12.11.41.

(lii) H.M.C.S. "SHEDIAC" on escort duties 12.11.41.

(liii) H.M.C.S. "SKEENA" on escort duties 12.11.41.

(liv) H.M.C.S. "WETASKIWIN" on escort duties 12.11.41.

(lv) H.M.S. "BURWELL" for Boston 13.11.41.

(lvi) H.M.C.S. "COLUMBIA" on escort duties 13.11.41.

(lvii) H.M.C.S. "MORDEN" 13.11.41.

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(lviii) H.M.C.S. "CLAYOQUOT" arrived Bermuda 10.11.41 sailed 11.11.41 for Halifax.

(lix) H.M.C.S. "QUINTE" sailed Bermuda 11.11.41. after arriving 10.11.41 en route to Halifax from West Coast.

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(lx) H.M.C.S. "RACCOON" sailed Gaspe 7.11.41.

(lxi) H.M.C.S. "REINDEER" arrived Gaspe 10.11.41 from patrol duties.

(lxii) H.M.C.S. "SUMMERSIDE" arrived Sydney 10.11.41.

(lxiii) H.M.C.S. "SOREL" arrived Sydney 7.11.41.

(lxiv) H.M.C.S. "UNGAVA" arrived Bermuda 10.11.41 sailed 11.11.41 en route Halifax from West Coast.

(lxv) H.M.C.S. "VISON" sailed Gaspe 11.11.41 for patrol.

(lxvi) S.C. 54 sailed Sydney 10.11.41 escorted by H.M.C. Ships "COLUMBIA", "SKEENA", "WETASKIWIN", "CAMROSE", "SHEDIAC", "BRANDON", "ORILLIA", and H.M. Ships "MIMOSA", "ACONITE".

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DIRECTOR OF OPERATIONS DIVISION

Two troop convoys from the United Kingdom have arrived in Canada without loss. One was escorted by the Polish destroyers O.R.P. "PIORUN" and O.R.P. "GARLAND".

H.M.C.S. "CHEDABUCTO" and H.M.C.S. "MAHONE" sailed from Esquimalt on November 11th for Halifax.

H.M.C.S. "CLAYOQUOT", "QUINTE" and "UNGAVA", en route from Esquimalt to Halifax departed Bermuda on the 10th of November. Whilst at Jamaica they assisted in the refloating of H.M.S. "INDOMITABLE".

It has now been established that H.M. Oiler "OLWEN", was attacked by gunfire from a submarine on the surface, but escaped. This ship made the raider distress call when attacked at night from what at the time was presumed to be a surface raider.

The German ship "ODENWALD" was intercepted by a United States Naval force, and though attempts were made to scuttle her she was saved. She is now proceeding to Trinidad. The United States Authorities have requested that this information be kept secret.

Owing to the shortage of Barrack space at St. John's, Nfld., due to the withdrawal of H.M.S. "FORTH", it has been decided to send H.M.C.S. "PRINCE HENRY" to St. John's to act as a temporary depot ship.

Mixed escorts of U.S., H.M. and H.M.C. ships have escorted two Westbound convoys. This is the first time that U.S. units have worked with H.M. and H.M.C. ships in the same escort.

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Very heavy weather has been experienced during thelast few days, and H.M.C.S. "ST LAURENT" was severely damaged and is proceeding direct to Halifax for repairs.

CONVOYS

A convoy comprising 48 ships of which 28 were British, 6 Norwegian, 7 Greek, 3 Panamanian 1 Russian, 1 U.S., 1 Dutch, 1 Eire sailed from Sydney on November 4th under the A/S Escort of H.M.C. Ships "CHAMBLY", "ORILLIA", "DAUPHIN", "ARVIDA", "ALGOMA", "MATAPEDIA", "NAPANEE" and H.M.S. "BURNHAM".

Note: Information on this convoy incomplete last week.

A convoy comprising 33 ships of which 18 were British, 10 Norwegian, 3 Panamanian, 1 Dutch, 1 U.S. sailed from Halifax on November 8th under the A/S Escort of U.S. Ships "PLUNKETT", "DECATUR", "LIVERMORE", "BADGER", "COLE", "CAMPBELL".

A convoy comprising 72 ships of which 40 were British, 8 Norwegian, 11 Greek, 3 U.S., 2 Panamanian, 1 Polish, 1 Icelandic, 1 Y/S, 1 Russian, 3 Dutch, 1 Swedish, sailed from Sydney on November 10th under the A/S Escort of H.M.C. Ships "COLUMBIA", "SKEENA", "WETASKIWIN", "CAMROSE", "SHEDIAC" "ORILLIA", "BRANDON" and H.M. Ships "MIMOSA" and "ACONITE".

This week there were two independent trans-ocean sailings from the Pacific Coast.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and thirty-two D.E.M.S. inspections were carried out this week in the following ports: Halifax (61), Sydney (36), Montreal (27), Quebec (3), Esquimalt (3), Saint John (2).

(b) Information regarding arming, etc. has been received regarding the following ships:-

"JOHN W. MACKAY"	4" gun mounted	Halifax
"PRINCESS KATHLEEN"	4" gun mounted	Esquimalt
"PRINCESS MARGUERITE"	4" gun mounted	"
"BRINGER"	4" gun mounted	"
"DALVARNIC"	3" gun mounted	Quebec
"ARICA"	3" gun mounted	"
"MONTEVIDEO"	3" gun mounted	Halifax
"HAMLET"	In hand arming	"
"DEKABRIST"	In hand arming	"
"MARIE BAKKE"	In hand arming	Esquimalt

The pool of Seaman Gunners from United Kingdom to man guns placed on Allied vessels in United States and Canada is now in operation at Halifax.

(c) The degaussing equipment of 132 ships was inspected this week in Canadian ports; 127 were reported as satisfactory; repairs have been carried out on the remainder.

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(d) The British Ministry of War Transport, New York, reported that degaussing had been installed on 11 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of New Construction building for the R.C.N. include:-

H.M.C. CORVETTES

"MIDLAND"	Provisionally accepted November 8.

MINESWEEPERS

"GANANOQUE"	Acceptance Trial November 5, commissioned November 8.
"SWIFT CURRENT"	Acceptance and Anchor Trials November 5th.
"MIRAMICHI"	Endurance, Armament, Anchor, Steering, Full Power, and Astern Trials November 7.

FAIRMILES

"Q-069"	Progressive, Full Power, and Turning Trials November 6.
"Q-061"	Acceptance Trial November 6.
"Q-050"	Progressive and Acceptance Trials November 9.

FISHERMEN'S RESERVE PATROL VESSELS

"LEELO"	Dock, Progressive, Endurance, Steering Trials November 6.

(f) SENIOR TECHNICIAN TECHNICAL DIVISION

In regard to magnetic and acoustic minesweeping, preliminary details have been worked out and a report submitted in connection with a proposed method of protecting the entrance to the harbour at St. John's, Nfld., by means of an electric cable laid on the sea bottom as an alternative to the operation of "LL" sweeps.

Two complete sets of equipment for Sweeping Acoustic gear type "C" have been delivered to the Dockyard at Halifax.

Reports from the Chemical Warfare Inter-service Board indicate that the fabric of the buildings at the Experimental Station is practically completed, but auxiliary services such as water and electric power are not in operation - the excuse given by the contractors is that they are unable to obtain materials; there is also a shortage of furniture. In spite of difficulties, the staff is carrying out experimental work, on the definite programme set for winter operations

Special interest is attached to Admiralty request for work to be done to determine the behaviour of smoke floats at low temperatures.

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(g) SUPERINTENDENT OF A/S

A large amount of A/S equipment for training purposes has arrived from England, but certain components are still missing. The attack teacher at Esquimalt is in operation. Steps were taken to ensure that in future A/S ratings are drafted to new construction vessels at the time they are required.

(h) RADIO DIRECTION FINDING OFFICER

Ten Corvettes and two Armed Merchant Cruisers have been fitted with Radio Direction Finding. The Radio Direction Finding Officer has left for Washington to learn of the United States Naval developments in Radio Direction Finding.

(i) SUPERINTENDENT OF BOOM DEFENCE

Normal operations proceed at all ports in Boom Defence work. Superintendent of Boom Defence and Inspector of Booms are proceeding from Quebec to Gaspe, where net weighing operations are scheduled to commence November 15.

(j) RESEARCH LIAISON OFFICER

The Research Liaison Officer, accompanied by Dr. Rose, Liaison Officer, National Research, is in Halifax in the interests of research problems.

(k) DEGAUSSING OFFICER

Six permanent installations of D.G. were completed during the week; one semi-permanent; repairs were carried out on 4 H.M.C. Ships and six merchantmen; two compass-corrector coils were installed; one ship was depermed.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $406,375.00.

CHIEFS OF STAFF COMMITTEE

15th November,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 22nd November, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 107

(For week ending 22nd November)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 20th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	356	3,448	3,804
R.C.N.R.	725	3,915	6,640
R.C.N.V.R.	2,116	16,390	18,506
TOTAL	3,197	23,753	26,950

Increase - 100

(b) Recruiting Activities from November 13th, 1941 to November 20th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	3	5
R.C.N.R.	2	19	21
R.C.N.V.R.	43	71	114
TOTAL	47	93	140

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	0	0
Discharges (a) Med.Unfit	0	18	18
x (b) Other reasons	9	13	22
TOTAL	9	31	40

x - 2 R.N.R. and 5 R.N.V.R. Officers included in previous reports by error.

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	3	4	7
TOTAL	3	6	9

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
205	1,168	1,373

2. CASUALTIES

- NIL -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	32	335	367
Other deaths.....	4	41	45
TOTAL.....	36	376	412
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "CLAYOQUOT" from Bermuda, 14.11.41.

(ii) H.M.C.S. "QUINTE" from Bermuda, 14.11.41.

(iii) H.M.C.S. "UNGAVA" from Bermuda, 14.11.41.

(iv) H.M.C.S. "AGASSIZ" from St. John's, Nfld., 16.11.41.

(v) H.M.C.S. "ALBERNI" 16.11.41.

(vi) H.M.S. "ALYSSE" 16.11.41.

(vii) H.M.C.S. "BITTERSWEET" 16.11.41.

(viii) H.M.C.S. "ST. LAURENT" from escort duties, 17.11.41.

(ix) H.M.C.S. "ANNAPOLIS" 18.11.41.

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- Departures -

(x) HX 160 escorted by H.M.C. Ships "ANNAPOLIS" and "HAMILTON", local escort, and U.S. Ships, "MAYO", "LEARY", "BABBITT", "NICHOLSON", "SCHENCK" ocean escorts 15.11.41.

(xi) H.M.C.S. "ST. CROIX" 17.11.41.

(xii) H.M.C.S. "TRILLIUM" for St. John's, Nfld., 18.11.41.

- At St. John's -

- Arrivals -

(xiii) H.M.S. "BURNHAM" 13.11.41.

(xiv) H.M.C.S. "CHAMBLY" 13.11.41.

(xv) H.M.C.S. "RESTIBOUCHE" 13.11.41.

(xvi) H.M.C.S. "AMHERST" 15.11.41.

(xvii) H.M.C.S. "KENOGAMI" 15.11.41.

(xviii) H.M.C.S. "NANAIMO" 15.11.41.

(xix) H.M.C.S. "ST. FRANCIS" 15.11.41.

(xx) H.M.C.S. "SOREL" 15.11.41.

(xxi) H.M.C.S. "DUNVEGAN" 16.11.41.

(xxii) H.M.C.S. "LETHBRIDGE" 17.11.41.

(xxiii) H.M.C.S. "MAYFLOWER" 17.11.41.

(xxiv) H.M.C.S. "PRESCOTT" 17.11.41.

(xxv) H.M.C.S. "CHICOUTIMI" 19.11.41.

- Departures -

(xxvi) H.M.S. "BURNHAM" 13.11.41.

(xxvii) H.M.C.S. "CHAMBLY" 13.11.41.

(xxviii) H.M.C.S. "MAYFLOWER" on escort duties 17.11.41.

(xxix) H.M.C.S. "KENOGAMI" 18.11.41.

(xxx) H.M.C.S. "LETHBRIDGE" on escort duties 18.11.41.

(xxxi) H.M.C.S. "NANAIMO" on escort duties 18.11.41.

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(xxxii) H.M.C.S. "PRESCOTT" on escort duties 18.11.41.

(xxxiii) H.M.C.S. "SOREL" on escort duties 18.11.41.

(xxxiv) H.M.C.S. "DUNVEGAN" 19.11.41.

- At Iceland -

- Arrivals -

(xxxv) H.M.C.S. "BUCTOUCHE" 14.11.41.

(xxxvi) H.M.C.S. "GALT" 14.11.41.

- Departures -

(xxxvii) H.M.C.S. "ARROWHEAD" on escort duties 16.11.41.

(xxxviii) H.M.C.S. "COBALT" on escort duties 16.11.41.

(xxxix) H.M.C.S. "MOOSEJAW" on escort duties 16.11.41.

(xl) H.M.S. "NASTURTIUM" on escort duties 16.11.41.

(xli) H.M.C.S. "PICTOU" on escort duties 16.11.41.

(xlii) H.M.C.S. "WINDFLOWER" on escort duties 16.11.41.

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(xliii) H.M.S. "BURWELL" arrived Boston 14.11.41.

(xliv) H.M.C.S. "GANANOQUE" arrived Quebec 17.11.41. from Montreal.

(xlv) H.M.C.S. "MAHONE" arrived San Pedro 16.11.41 from Esquimalt, sailed 17.11.41 for East Coast.

(xlvi) H.M.C.S. "ST. CROIX" arrived Saint John, N.B. 18.11.41.

(xlvii) H.M.C.S. "VISON" arrived Gaspe 18.11.41 sailed 20.11.41 for Halifax.

(xlviii) S.C. 55 sailed Sydney 16.11.41 escorted by H.M.C. Ships "ST. FRANCIS", "MAYFLOWER", "PRESCOTT", "LETHBRIDGE", "DUNVEGAN", "SOREL".

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DIRECTOR OF OPERATIONS DIVISION

H.M.C.S. "PRINCE DAVID" - at Halifax was taken in hand on November 18th for repair and installation of R.D.F.

H.M.C.S. "PRINCE ROBERT" - sailed Hong Kong for Manila en route to Esquimalt.

H.M.C. Ships "CHEDABUCTO", "MAHONE" - en route to Halifax from Esquimalt via Panama. Departed San Pedro November 17th.

It has been decided that all R.C.N. destroyers are to be camouflage-painted. The design used for H.M.C. Town Class destroyers is the same as H.M.S. "BURNHAM", and other R.N. Town Class. For River Class it is Mr. Murphy's No. 1 design, and is to be applied to H.M.C.S. "ASSINIBOINE" during present refit.

P. 511 and P. 551, the two submarines taken over from the U.S.N. arrived St. John's, November 18th, to refuel before proceeding to United Kingdom. On November 18th Cape Race reported an unidentified submarine on surface six miles to south east flashing unreadable light. On November 19th this report was cancelled, as it was presumed the submarine sighted was P. 551.

H.M.C. Ships "BROADWAY", "COBALT", "GALT", "BUCTOUCHE", "WINDFLOWER", "NASTURTIUM", "MOOSE JAW", "PICTOU", were sailed to Iceland from St. John's November 9th, in order to adjust convoy cycle, caused by the return of S.C. 52.

H.M.C.S. "MORDEN" - arrived St. John's, p.m. November 18th from anti-submarine patrol of Belle Isle Sts.

H.M.S. "POLYANTHUS" - on November 19th was reported short of fuel about 200 miles south west of Newfoundland, while escorting a convoy westbound from Iceland. H.M.C.S. "ORILLIA" was proceeding to her assistance. H.M.C.S. "COLLINGWOOD" and "CHILLIWACK" had also been ordered to render assistance if fuel permitted. "POLYANTHUS" subsequently arrived St. John's on the 21st.

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CONVOYS

A convoy comprising 62 ships of which 45 were British, 5 Dutch, 7 Norwegian, 2 U.S., 1 Panamanian, 1 Greek, 1 Russian, sailed from Halifax on November 15th under the A/S Escort of U.S. Ships "MAYO", "NICHOLSON", "SCHENCK", "LEARY", "BABBITT".

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A convoy comprising 47 ships of which 30 were British, 8 Norwegian, 4 Greek, 2 Swedish, 1 Eire, 1 Belgian, 1 U.S. sailed from Sydney under the A/S Escort of H.M.C. Ships "ST. FRANCIS", "MAYFLOWER", "KENOGAMI", "NANAIMO", "PRESCOTT", "LETHBRIDGE", "DUNVEGAN". 16.11.41.

This week there was one independent trans-ocean sailing from the Atlantic Coast.

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4. WORKS

(a) DIRECTOR OF TECHNICAL DIVISION

The following details regarding trials of new construction building for the R.C.N. is reported:

H.M.C. CORVETTES

"KITCHENER"	Launched 18.11.41.
"LUNENBURG"	Basin, Endurance, Turning, Astern and Anchor Trials 17.11.41.
"HALIFAX"	Endurance, Full Power, Astern and Anchor Trials, 15.11.41.

MINESWEEPERS

"GODERICH"	Acceptance Trial 14.11.41.
"MEDICINE HAT"	Progressive, and Full Power, Turning and Astern Trials, 16.11.41.

FAIRMILES

"Q-053"	Full Power, Astern, Anchor and Turning accepted provisionally 13.11.41.
"Q-056"	Progressive, Endurance and Full Power Trials 16.11.41.

FISHERMEN'S RESERVE PATROL VESSELS.

"TALAPUS"	Accepted 15.11.41.

(b) SENIOR TECHNICIAN: TECHNICAL DIVISION

In regard to magnetic minesweeping, a visit was made to Canadian Vickers, Montreal, to view the recently commissioned Bangor Class M/S H.M.C.S. "SWIFT CURRENT", the purpose to locate a position on the bridge for the control unit of the LL sweep gear. Owing to the overcrowding of the bridge, considerable difficulty was encountered, but a suitable accessible position was found; plans and manufacturing drawings are at present being drawn up for this final unit of the complete LL installation.

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Due to cancellation of acoustic Minesweeper gear and transfer of contract for some structural steel work, final delivery will be delayed 10 days; installation probably to start about December 1st, 1941.

Senior Technician; Technical Division left Ottawa for a 10-day inspection trip to the Experimental Station at Suffield, Alberta - chemical warfare base.

(c) SUPERINTENDENT OF A/S

Four Bangor Minesweepers have been fitted with A/S Set No. 128 this week. In consultation with Director of Naval Personnel it was concluded that an officer should be appointed to maintain records and to arrange details respecting A/S drafting and training.

(d) R.D.F. OFFICER

H.M.C.S. "PRINCE HENRY" was completed with R.D.F. on the 12th; H.M.C.S. "PRESCOTT" on the 15th.

Investigation has been made as to the feasibility of installing the standard R.C.N. R.D.F. rotator on modified Corvettes.

An Admiralty Type 271 R.D.F. equipment has been shipped from the United Kingdom which will be set up at the National Research Council field station upon arrival, in order to facilitate the design of similar equipment for Canadian Ships.

(e) SUPERINTENDENT OF BOOM DEFENCE

Maintenance and normal operations proceed in all bases. At Sydney, N.S. assistance was given in repairing Army Submarine Cable as well as repairs to an Air Force scow.

(f) RESEARCH LIAISON OFFICER

During Research Liaison Officer's and Liaison Officer National Research's trip to Halifax to establish relationships whereby the Halifax staff of the National Research Council would become more active in contacting Naval personnel for ideas requiring development and research, it was found that Doctors Johnstone and Henderson of the Halifax staff had become well known in the Dockyard and were frequently consulted by Naval personnel.

It was agreed that they should make regular visits to H.M.C. Ships based in Halifax to obtain the suggestions of personnel engaged in seagoing operations.

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Captain "D" stated he would be on the lookout for such suggestions.

Lieutenant Shilston at Torpedo School requested the development and construction by National Research Council of a Torpedo Attack Teacher for installation in the new School at Nelson Barracks; problem is under consideration and a tentative design is to be prepared.

Captain "D's" gunnery officer submitted a problem in connection with a simplified director for Armed Merchant Cruiser use - Dr. Rose has this project under consideration.

Suggestions were made concerning the establishment of a supplementary Magnetic Range in the harbour to obtain the signature of all ships passing in and out of the port. Possible locations are being investigated and the Halifax staff will prepare a report outlining recommendations.

(g) DEGAUSSING OFFICER

The Department of Mines and Resources has been requested to make arrangements for magnetic surveys to be carried out at various ports in Canada and Newfoundland - National Research Council asked for the information in connection with their work on degaussing.

During the past week 4 permanent DG installations were made; 1 semi-permanent; repairs carried out on 3 H.M.C. Ships and 13 merchantmen; 3 compass corrector coil installations were made; 2 ships were depermed at Halifax.

Degaussing Officer and Admiralty's representative for compass corrector work are in Montreal re gear of this type coming from the U.S.A.

(h) MERCANTILE EQUIPMENT OFFICER

One hundred and thirteen D.E.M.S. inspections were carried out this week in the following ports:

Halifax	64
Sydney	32
Montreal	14
St. John	2
Quebec	1

(i) Information regarding arming etc. has been received regarding the following ships:-

"MARIE SAKKE"	4" Gun Mounted	Esquimalt
"HAMLET"	3" " "	Halifax
"DEKABRIST"	3" " "	"
"BUENOS AIRES"	3" " "	"
"FAGERFJELL"	3" " "	"
"FAR"	3" " "	Sydney
"FERNWOOD"	In hand arming	Halifax
"ATHOS"	" " "	"
"EMMA ALEXANDER"	" " "	"

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(j) The degaussing equipment of 110 ships was inspected this week in Canadian Ports; 103 were reported as satisfactory; repairs have been carried out on the remainder.

(k) The British Ministry of War Transport, New York reported that Degaussing had been installed on 10 ships in United States Ports.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $309,848.00.

CHIEFS OF STAFF COMMITTEE

22nd November,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 29th November, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 108

(For week ending 29th November)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at November 27th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	358	3,447	3,805
R.C.N.R.	726	3,923	4,649
R.C.N.V.R.	2,123	16,508	18,631
TOTAL	3,207	23,878	27,085

Increase 135

(b) Recruiting Activities from November 20th, 1941 to November 27th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	2	4
R.C.N.R.	1	17	18
R.C.N.V.R.	7	128	135
TOTAL	10	147	157

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit)	0	4	4
(b) Other Reasons	0	17	17
TOTAL	0	22	22

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	0	0

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
214	1,145	1,359

2. CASUALTIES

(a) Charles Victor SILVESTER, V.P.O., R.C.N. O.N. 40604 - Died 24.11.41.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	32	335	367
Other Deaths	4	42	46
TOTAL	36	377	413
Wounded or Injured . . .	2	65	67
Prisoners of War	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) Cable Ship "CYRUS FIELD" 21.11.41.

(ii) H.M.C.S. "ANNAPOLIS" 24.11.41.

(iii) H.M.C.S. "GANANOQUE" from Quebec 24.11.41.

(iv) H.M.C.S. "HAMILTON" 24.11.41.

(v) H.M.C.S. "SWIFT CURRENT" 24.11.41.

(vi) H.M.C.S. "COLLINGWOOD" 25.11.41.

- Departures -

(vii) H.M.C.S. "AGASSIZ" 21.11.41.

(viii) H.M.S. "ALYSSE" for St. John's, 21.11.41.

(ix) H.M.C.S. "BITTERSWEET" for St. John's, 21.11.41.

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(x) HX 161 under local escort of H.M.C. Ships "HAMILTON", "ANNAPOLIS", Ocean escort of U.S. Ships "WOOLSEY", "ROE", "LEE", "MACLEISH", "DUPONT", "BERNADOU", 21.11.41.

(xi) H.M.C.S. "KAMSACK" for Sydney, C.B., 26.11.41.

(xii) H.M.C.S. "SHAWINIGAN" for Sydney, C.B. 26.11.41.

(xiii) H.M.C.S. "HAMILTON" on local escort duties 27.11.41.

- At St. John's -

- Arrivals -

(xiv) H.M.C.S. "ORILLIA" 20.11.41.

(xv) H.M.C.S. "ARVIDA" from escort duties 21.11.41.

(xvi) H.M.C.S. "CHILLIWACK" 22.11.41.

(xvii) H.M.C.S. "FENNEL" from Halifax 22.11.41.

(xviii) H.M.S. "ALYSSE" 23.11.41.

(xix) H.M.C.S. "BITTERSWEET" 23.11.41.

(xx) H.M.C.S. "OTTAWA" 23.11.41.

(xxi) H.M.C.S. "PRIMROSE" from escort duties 23.11.41.

(xxii) H.M.C.S. "SNOWBERRY" 23.11.41.

(xxiii) H.M.C.S. "AGASSIZ" 24.11.41.

(xxiv) H.M.C.S. "DRUMHELLER" 26.11.41.

(xxv) H.M.C.S. "GEORGIAN" 26.11.41.

(xxvi) H.M.C.S. "SUMMERSIDE" 26.11.41.

- Departures -

(xxvii) H.M.S. "ALYSSE" on escort duties 23.11.41.

(xxviii) H.M.C.S. "BITTERSWEET" on escort duties 23.11.41.

(xxix) H.M.C.S. "AMHERST" on escort duties 24.11.41.

(xxx) H.M.C.S. "CHICOUTIMI" on escort duties 24.11.41.

(xxxi) H.M.C.S. "COLLINGWOOD" 24.11.41.

(xxxii) H.M.C.S. "MORDEN" on escort duties 24.11.41.

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(xxxiii) H.M.C.S. "ORILLIA" on escort duties 24.11.41.

(xxxiv) H.M.C.S. "RESTIGOUCHE" on escort duties 24.11.41.

- At Iceland -

- Arrivals -

(xxxv) H.M.C.S. "AGASSIZ" 22.11.41.

(xxxvi) H.M.S. "BURNHAM" from escort duties 22.11.41.

(xxxvii) H.M.C.S. "CHAMBLY" 22.11.41.

(xxxviii) H.M.C.S. "COLUMBIA" 22.11.41.

(xxxix) H.M.C.S. "DAUPHIN" 22.11.41.

(xl) H.M.S. "ACONITE" 24.11.41.

(xli) H.M.S. "MIMOSA" from escort duties 24.11.41.

(xlii) H.M.C.S. "SHEDIAC" 24.11.41.

(xliii) H.M.C.S. "WETASKIWIN" 24.11.41.

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(xliv) H.M.C.S. "SWIFT CURRENT" sailed Quebec 21.11.41.

(xlv) H.M.C.S. "CHEDABUCTO" sailed Manzanillo 22.11.41.

(xlvi) H.M.C.S. "MAHONE" sailed Manzanillo for East Coast 22.11.41.

(xlvii) S.C. 56 sailed Sydney under escort of H.M.C. Ships "RESTIGOUCHE", "AGASSIZ", "BITTERSWEET", "AMHERST", "CHICOUTIMI", "ORILLIA", "MORDEN" and H.M.S. "ALYSSE". 22.11.41.

(xlviii) H.M.C.S. "OAKVILLE" arrived Gaspe 24.11.41 from Quebec sailed Gaspe 25.11.41 for Halifax.

(xlix) H.M.C.S. "REINDEER" sailed Gaspe 25.11.41 for Sydney arriving 27.11.41.

(l) H.M.S. "AGAMEMNON" sailed Norfolk from refit 26.11.41.

(li) H.M.C.S. "RACCOON" arrived Sydney from Gaspe 27.11.41.

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DIRECTOR OF OPERATIONS DIVISION

H.M.C. Ships "RACCOON" and "REINDEER" were sailed from Gaspe for Sydney where they will act as local A/S patrol until that port is closed for winter.

H.M.C.S. "VISON" sailed for Halifax from Gaspe where she will join H.M.C.S. "ELK", sailing in company for Bermuda. These armed Yachts will be placed under the orders of Commander-in-Chief, American and West Indies for the winter months. With the departure of these ships Gaspe patrol ceased to operate.

On November 22nd, H.M.C. Minesweepers "THUNDER" and "GEORGIAN" were sailed as local escort from Sydney. This is the first time the new Bangor Minesweepers have been used as convoy escorts.

H.M.C.S. "CHEDABUCTO" and H.M.C.S. "MAHONE" en route for Halifax from Esquimalt, Sailed Manzanillo November 22nd.

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CONVOYS

A convoy comprising 46 ships of which 29 were British, 12 Norwegian, 1 Panamanian, 1 Swedish, 1 U.S., 1 Belgian, 1 Icelandic sailed from Halifax on November 21st under the A/S Escort of U.S. Ships "WOOLSEY", "ROE", "LEA", "MACLEISH", "DUPONT", "BERNADOU".

A convoy comprising 46 ships of which 27 were British, 7 Norwegian, 2 U.S., 2 Panamanian, 2 Swedish, 3 Dutch, 1 Greek, 1 Belgian, 1 Eire sailed from Sydney on November 22nd under the A/S Escort of H.M.C. Ships "RESTIGOUCHE", "AGASSIZ", "BITTERSWEET", "AMHERST", "CHICOUTIMI", "ORILLIA" and H.M.S. "ALYSSE".

This week there were three independent trans-ocean sailings from the Atlantic Coast and one from the Pacific Coast.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER AND DEGAUSSING OFFICER

One hundred and twenty-six D.E.M.S. inspections were carried out this week in the following ports: Halifax (70), Sydney (37), Montreal (13), Esquimalt (3), Quebec (2), Saint John(1).

(b) Information regarding arming, etc. has been received regarding the following ships:-

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"LOWLANDER"	4" gun mounted	Esquimalt
"FERNWOOD"	3" gun mounted	Halifax
"ATHOS"	3" gun mounted	"
"PAN ARUBA"	In hand arming	"
"SKANDINAVIA"	In hand arming	"
"NIDARDAL"	In hand arming	Sydney
"NANDI"	In hand arming	Saint John

Forty .5 Twin Colt equipments have been received in Halifax for issue to Merchant ships.

(c) The degaussing equipment of 126 ships was inspected this week in Canadian Ports; 124 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 12 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction building for the R.C.N. include:-

H.M.C. CORVETTES

"FREDERICTON"	Full Power, Turning, Astern, and Anchor Trials 20.11.41. Endurance Trial 19.11.41.
"WEYBURN"	4-Hour Full Power Trial 19.11.41.
"OAKVILLE"	Acceptance Trial 19.11.41.
"MIDLAND"	Commissioned 17.11.41.

MINESWEEPERS

"SWIFT CURRENT"	Commissioned 11.11.41.
"QUATSINO"	Armament Trial 19.11.41.
"RED DEER"	Accepted 20.11.41.

FAIRMILES

"Q-072" & "Q-073"	Acceptance Trial 21.11.41.
"Q-058"	Acceptance Trial 22.11.41.
"Q-056"	Acceptance Trial & Commissioned 25.11.41.
"Q-051"	Acceptance 23.11.41.

FISHERMEN'S RESERVE PATROL VESSELS

"EKKOLI"	Dock, Progressive, Endurance, Anchor & Steering Trials 19.11.41.
"LEELO"	Acceptance & Commissioned 24.11.41.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

Plans for the control unit of the LL gear on Bangor Class Minesweepers are well in hand.

During the week a problem was passed to the Metallurgical Laboratory on the substitution of different types of steels in the manufacture of 6-inch Loading Teachers, Naval Type "D".

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Senior Technician; Technical Division and Sub-Lieutenant C.E. Moore completed their visit to the Experimental Station at Suffield, the former continues on an inspection trip to Esquimalt.

(g) SUPERINTENDENT OF A/S

Three Fairmiles were completed with Type 134A A/S gear this week.

Discussions were entered into with Director of Naval Personnel concerning the establishment of a non-substantive rate A/S Artificer to which certain Electricql Artificers now doing A/S work may be transferred.

(h) SUPERINTENDENT OF BOOM DEFENCE

A new Net (90' wide) of 3" rope unit wire has been constructed at Halifax to replace the Western net section, and is the first renewal for this section; the old net is to be reconditioned and held as a reserve section. At Sydney, N.S., surface inspection of A/S and A/T nets is made daily, and miscellaneous repairs were made to harbour craft "ATTENTIVE", "DORIS", and "PROTECTOR", the tug "J.A. CORNETT" was hauled out and cleaned, no hull repairs were necessary. The non-arrival of "DERRICK SCOW NO. 3" at Gaspe has not interfered with the commencement of A/S net weighing operations at this port, although operations are retarded as this type of craft is essential for the efficient handling of net gear. At Esquimalt repairs were made to the 5" jackstay wire of No. 1 net. Work has started on the A/S net to change to the new type of flotation and jackstay suspension using 5" bullring fittings as used at other ports. At Prince Rupert no further progress has been made on the boom defence building and very little work was done during the week on the slab construction - the attention of the directorate of Works & Buildings was directed to the very slow progress in the construction of buildings, slab, drainage, and other installations at this depot.

(i) RESEARCH LIAISON OFFICER

With regard to Research Liaison Officer's recent visit to Toronto, the following investigations were made:-

(a) Synthetic Armour; the Bakelite Corporation of Canada advised that the available presses in their plant were not adaptable to the production of armour slabs made up from hard rock aggregate and synthetic resin bond. The Duplate Company, Oshawa, have a press capable of handling a 2-ft. square slab at pressures slightly under 2000 lbs. per square inch. Experiments so far indicate the necessity for molding pressures of this magnitude. The General Electric Company

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Davenport works have a press which might be adapted to this work - in any case a high degree of priority would be required to secure the use of suitable presses since most equipment of this nature is now being fully utilized for the production of war materials. The question of supply of synthetic resins for synthetic armour is to be investigated since a decided scarcity of some types already exists. New plants are under construction, to be ready for productin in the spring of '42.

(b) Cellular Material Research: Arrangements were made for the construction of a a master steel orthic-tetrakaidechahedron to be used for the making of embossing dies required in the laboratory work on cellular materials.

(c) Proximity Fuse; Trials of this fuse developed at the University of Toronto, Physics Division, under Professor Pitt, were witnessed at Camp Borden, and are the subject of a full report.

(j) DEGAUSSING OFFICER

During the week 3 permanent installations of D.G. and 3 semi-permanent were made, repairs were carried out on 1 H.M.C. Ship and 13 merchantmen; there was 1 compass corrector coil installation made; 1 ship depermed.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $117,857.50.

CHIEFS OF STAFF COMMITTEE

29th November,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 6th December, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 109

(For week ending 6th December)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 4th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	360	3,454	3,814
R.C.N.R.	727	3,947	4,674
R.C.N.V.R.	2,125	16,550	18,675
TOTAL	3,212	23,951	27,163

Increase - 78

(b) Recruiting Activities from November 27th, 1941 to December 4th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	4	6
R.C.N.R.	5	10	15
R.C.N.V.R.	2	73	75
TOTAL	9	87	96

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	1	1
Discharges (a) Med. Unfit	0	3	3
(b) Other Reasons	4	10	14
TOTAL	4	14	18

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R	0	16	16
TOTAL	0	21	21

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
217	1,224	1,441

2. CASUALTIES

(a) William MORLEY, Convoy Leading Sig., O.N. V12585 died 27th November, 1941, of Celebral Malaria.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	32	335	367
Other Deaths	4	43	47
TOTAL.	36	378	414
Wounded or Injured . . .	2	65	67
Prisoners of War	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.S. "AGEMEMNON" from refit 28.11.41.

(ii) H.M.C.S. "ANNAPOLIS" 30.11.41.

(iii) H.M.S. "CIRCASSIA" 3.12.41.

(iv) H.M.C.S. "COBALT" 30.11.41.

(V) H.M.C.S. "DRUMMONDVILLE" from Pictou 30.11.41.

(vi) H.M.C.S. "QUINTE" from Pictou 30.11.41.

(vii) H.M.S. "GARLAND" 2.12.41.

(viii) H.M.C.S. "RED DEER" 3.12.41.

(ix) H.M.C.S. "SNOWBERRY" 3.12.41.

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- Departures -

(x) HX 162 escorted by U.S. Ships "CHARLES F. HUGHES", "WILKES", "LANSDALE", "MADISON", "STURTEVANT" 27.11.41.

(xi) H.M.C.S. "HAMILTON" on local escort duties HX 162 27.11.41.

(xii) H.M.C.S. "COBALT" for Liverpool, N.S., 2.12.41.

(xiii) H.M.C.S. "HAMILTON" on local escort HX 163 3.12.41.

(xiv) H.M.C.S. "ELK" for Bermuda 2.12.41.

(xv) H.M.C.S. "KAMLOOPS" on local escort duties 3.12.41.

(xvi) H.M.C.S. "SASKATOON" on escort duties 3.12.41.

(xvii) HX 163 escorted by U.S. Ships "BENSON", "NIBLACK", "EFFINGHAM", "EDISON", "H.P. JONES". 3. 12.41.

- At St. John's -

- Arrivals -

(xviii) H.M.C.S. "BUCTOUCHE" 27.11.41.

(xix) H.M.C.S. "COBALT" 27.11.41.

(xx) H.M.C.S. "MOOSE JAW" 28.11.41.

(xxi) H.M.C.S. "WINDFLOWER" 28.11.41.

(xxii) H.M.C.S. "DRUMHELLER" 29.11.41.

(xxiii) H.M.C.S. "HEPATICA" 29.11.41.

(xxiv) H.M.C.S. "ALGOMA" from escort duties 2.12.41.

(xxv) H.M.C.S. "CHAMBLY" 2.12.41.

(xxvi) H.M.C.S. "GEORGIAN" 2.12.41.

(xxvii) H.M.C.S. "MATAPEDIA" 2.12.41.

(xxviii) H.M.C.S. "NAPANEE" 2.12.41.

(xxix) H.M.S. "NASTURTIUM" 2.12.41.

- Departures -

(xxx) H.M.C.S. "ARVIDA" on escort duties 29.11.41.

(xxxi) H.M.C.S. "COBALT" for Halifax 29.11.41.

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(xxxii) H.M.C.S. "FENNEL" 21-11-41.

(xxxiii) H.M.C.S. "GEORGIAN" on patrol 29.11.41.

(xxxiv) H.M.C.S. "OTTAWA" on escort duties 29.11.41.

(xxxv) H.M.S. "PRIMROSE" on escort duties 29.11.41.

(xxxvi) H.M.C.S. "SHERBROOKE" 29.11.41.

(xxxvii) H.M.C.S. "GEORGIAN" for Sydney 2.12.41.

(xxxviii) H.M.C.S. "MATAPEDIA" for Halifax 2.12.41.

(xxxix) H.M.C.S. "SUMMERSIDE" 2.12.41.

(xl) H.M.C.S. "TRAIL" 2.12.41.

(xli) (a) H.M.C.S. "DRUMHELLER" for Sydney 2.12.41.

- At Iceland -

- Arrivals -

(xli) (b) H.M.C.S. "DUNEVEGAN" 30.11.41.

(xlii) H.M.C.S. "KENOGAMI" 30.11.41.

(xliii) H.M.C.S. "PRESCOTT" 30.11.41.

(xliv) H.M.C.S. "MAYFLOWER" 2.12.41.

(xlv) H.M.C.S. "NANAIMO" 2.12.41.

- Departures -

(xlvi) H.M.C.S. "COLUMBIA" on escort duties 29.11.41.

(xlvii) H.M.C.S. "SHEDIAC" 29.11.41.

(xlviii) H.M.S. "ACONITE" on escort duties 30.11.41.

(xlix) "MIMOSA" for St. John's, Nfld., 30.11.41.

- At Sydney -

- Arrivals -

(l) H.M.C.S. "KAMSACK" 27.11.41.

(li) H.M.C.S. "DRUMHELLER" 2.12.41.

(lii) H.M.C.S. "GEORGIAN" 2.12.41.

(liii) H.M.C.S. "SUMMERSIDE" 2.12.41.

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- Departures -

(liv) S.C. 57 escorted by H.M.S. "PRIMROSE", "POLYANTHUS" and H.M.C. Ships "OTTAWA", "FENNEL", "BATTLEFORD", "ARVIDA"; "SHERBROOKE", "TRAIL", "KAMSACK", "SHAWINIGAN", "NIPIGON" 28.11.41.

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(lv) H.M.C.S. "CHEDABUCTO" arrived Balbao 30th November departed Christobal 1st December arrived Kingston 3rd December.

(lvi) H.M.C.S. "HALIFAX" sailed Montreal for Quebec December 2nd.

(lvii) H.M.C.S. "WEYBURN" sailed Quebec 3rd December for Halifax.

(lviii) S.C. 58 sailed 4th December escorted by H.M.S. "NASTURTIUM", and H.M.C. Ships "ST. LAURENT", "HEPATICA", "MOOSE JAW", "WINDFLOWER", "PICTOU", "BUCTOUCHE", "TRILLIUM".

DIRECTOR OF OPERATIONS DIVISION

H.M.C. Ships "MAHONE", "CHEDABUCTO" en route Halifax from Esquimalt arrived Kingston December 3rd.

It was hoped that thirteen Fairmiles would have reached Halifax before the freeze up but it has become necessary for three to lay up at Toronto for the winter and one at Sarnia.

"TADOUSSAC", "WEDGEPORT", "FORT YORK" and "PARRSBORO", - Minesweepers building for the R.N. are en route to St. John, N.B. for completion. "WEDGEPORT" and TADOUSSAC" are manned by builders and will sail in company with H.M.C. CORVETTES or minesweepers.

German Raider #41 "STEIERMARK" was sunk by gunfire in a two and a half hour engagement with H.M.A.S. "SYDNEY" on the night of November 19th, about two hundred miles west of Australia. According to survivors of "STEIERMARK", H.M.A.S. "SYDNEY" was heavily on fire when last seen, and blew up at midnight. It is considered possible by the Admiralty that the "SYDNEY" may have been sunk by torpedoes.

H.M.S. "DORSETSHIRE" - sank an enemy supply ship or raider approximately six hundred and fifty miles south of St. Helena on the evening of November 1st. Because a submarine was known to be in the vicinity, no attempt was made to pick up survivors, but boats and floats were dropped.

H.M.S. "DEVONSHIRE" sank an enemy supply ship which was refuelling a U-Boat midway between St. Paul and Ascension Islands on November 22nd. Survivors had to be left in rafts and lifeboats.

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CONVOYS

The Halifax and Argentia sections of a convoy sailed on November 27th under the A/S Escort of U.S. Ships "CHARLES F. HUGHES", "WILKES", "LANSDALE", "MADISON", "STURTEVANT". The number of ships in the convoy comprised 24 British, 6 Norwegian, 4 U.S., 1 Polish, 2 Dutch.

A convoy comprising 36 ships of which 24 were British, 4 Norwegian, 4 Panamanian, 2 Greek, 1 Dutch, 1 Egyptian, sailed from Sydney on November 28th under the A/S Escort of H.M. Ships "POLYANTHUS", and "PRIMROSE" and H.M.C. Ships "OTTAWA", "TRAIL", "FENNEL", "BATTLEFORD", "ARVIDA", "SHERBROOKE".

A convoy comprising 44 ships of which 30 were British, 10 Norwegian, 1 Icelandic, 2 Panamanian, 1 Dutch sailed from Halifax on December 3rd under the A/S Escort of U.S.S. "BENSON", "NIBLACK", "TARBELL","EDISON", "H.P. JONES".

This week there was one independent trans-ocean sailing from the Atlantic Coast and two from the Pacific Coast.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER AND DEGAUSSING OFFICER

One hundred and thirty-one D.E.M.S. inspections were carried out this week in the following ports: Halifax (72), Sydney (43), Montreal (8), Esquimalt (4), Saint John (2), Quebec (2).

(b) Information regarding arming, etc., has been received regarding the following ships:-

"CANATCO"	3" gun mounted	Quebec
"EMPIRE PLANET"	3" " "	Halifax
"PAN ARUBA"	3" " "	"
"NIDARDAL"	3" " "	Sydney
"NELLIE"	3" " "	"
"RIO BRANCO"	3" " "	"
"BRONXVILLE"	4" " "	Esquimalt
"EMMA ALEXANDER"	4" " "	Halifax
	12 Pdr. H.A. gun mounted	
"MONTROLITE"	4" gun mounted	"
"NYHOLT"	4" " "	"
"PAN NORWAY"	In hand arming	"
"MONTCALM"	In hand arming	"

(c) The degaussing equipment of 129 ships was inspected in Canadian Ports; 123 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 12 ships in United States Ports.

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(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction building for the R.C.N. include:-

H.M.C. CORVETTES

"WEYBURN"	Commissioned 26.11.41.
"HALIFAX"	Commissioned 26.11.41.
"LUNENBERG"	Acceptance Trial 2.12.41.
"CALGARY"	Endurance, Progressive, Anchor, and Steering Trials 21.11.41.

MINESWEEPERS

"RED DEER"	Commissioned 26.11.41.
"MIRAMICHI"	Acceptance and commissioning 26.11.41.
"OUTARDE"	Armament, Turning, Hand-steering Astern, Anchor, Full Power and Progressive Trials, 28.11.41.
"NELLVILLE"	Acceptance Trial 3.12.41.

FAIRMILES

"Q-062"	Endurance, Full Power, Turning Trials, 30.11.41.

FISHERMEN'S RESERVE PATROL VESSELS

"MOOLOCK"	Dock, Progressive, Endurance and Steering Trials 28.11.41.
"EKKOLI"	Accepted and commissioned 1.12.41.

(f) SENIOR TECHNICIAN: TECHNICAL DIVISION

During the Senior Technician's western trip the operation of LL and Sweeping Acoustic sweeps was discussed at length with officers of the Pacific Coast command. Opportunity was given to see the installation of Sweeping Acoustic gear Type C in a Bangor class minesweeper building for Admiralty. Two sets of this gear have been handed over by Admiralty for installation in R.C.N. ships, work to be done in Halifax.

(g) SUPERINTENDENT OF A/S

The requirements of the proposed addition to the A/S school at Esquimalt were discussed with Superintendent of Construction Liaison.

(h) SUPERINTENDENT OF BOOM DEFENCE

Normal operations in Boom Defence work proceed according to schedule.

At Halifax the new concrete Gate Vessels G.V. 1 and G.V. 11 have been accepted by the Naval Service from the contractors and have been

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turned over in care of the maintenance department for the winter months under Captain in Charge, Halifax; acceptance was made subject to the installation of some minor equipment which the contractors will install when this equipment is available from the manufacturers.

At Sydney, N.S., concrete mooring clump manufacturing operations are now complete - 30 having been manufactured; equipment is being used in handling these anchors to place them in water near the wharf.

At Shelburne the new crawler crane recently received is reported to be operating satisfactorily. The contract with Foundation Maritime Limited for the Maintenance Vessel "FOUNDATION MASSON" with the tug "ALICE" expired on November 30, 1931. As no other vessels were available, arrangements have been made with the contractors to have these vessels remain at Shelburne until December 31, before which time it is hoped the tug "NORTH STAR" will be available. This tug will carry on until Derrick Scow No. 3 arrives to take over these duties in January, 1942.

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Specifications for paints required for camouflage of River and Town Class destroyers are under preparation by the Paint Division, Scientific and Experiment Department of the R.C.N. Colours were selected using R. Murphy's water colour designs as a guide, and as an additional check, Captain "D" Halifax was consulted for his opinion. Colour ships are now being made up for consideration by the Naval Staff.

The Plastics Division machine shop constructed one hundred chart silhouettes for use by the Operations Division of Naval Service Headquarters.

(j) R.D.F. OFFICER

Special attention has been given to the editing of drawings and data collected in Halifax to be used by Superintendent of Shipbuilding for the instruction of shipbuilders in installation of R.D.F. in Corvettes and Minesweepers. Sub-Lieutenant Dunn who has now had several months experience in Halifax in R.D.F. shipfitting is being brought back to Naval Service Headquarters to carry this matter through during the winter; the object is to fit every ship in the shipyards with external R.D.F. equipment before they sail in the spring.

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R.D.F. Officer visited Research Enterprises Limited to establish the production position with respect to 10 centimeter R.D.F. on the basis of drawings being obtained from the United States Navy. A meeting was called at the National Research Council to place the Naval 10 centimeter position clearly before them, and it was decided to call a meeting of the Inter-services R.D.F. Committee for Thursday of this week.

(k) DEGAUSSING OFFICER

During the past week 4 permanent and 3 semi-permanent D.G. installations were completed repairs have been carried out on 10 merchant vessels; 1 compass corrector coil was installed; 5 ships were depermed in Halifax.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $307,374.00.

CHIEFS OF STAFF COMMITTEE

6th December,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 13th December, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 110

(For week ending 13th December)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 11th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	359	3,456	3,815
R.C.N.R.	723	3,949	4,672
R.C.N.V.R.	2,136	16,578	18,714
TOTAL	3,218	23,983	27,201

(b) Recruiting Activities from December 4th, 1941 to December 11th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	0	1	1
R.C.N.R.	1	9	10
R.C.N.V.R.	14	77	91
TOTAL	15	87	102

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	4	18	22
Discharges (a) Med. Unfit	1	5	6
(b) Other Reasons	4	32	36
TOTAL	9	55	64

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
218	1,234	1,452

2. CASUALTIES

4 officers and 18 ratings lost in H.M.C.S. "WINDFLOWER", sunk December 7th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	36	353	389
Other Deaths.....	4	43	47
TOTAL.....	40	396	436
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "GODERICH" 6.12.41.

(ii) H.M.C.S. "HAMILTON" 6.12.41.

(iii) H.M.C.S. "KAMLOOPS" 6.12.41.

(iv) H.M.C.S. "SASKATOON" 6.12.41.

(v) H.M.C.S. "WEYBURN" from Gaspe 6.12.41.

(vi) H.M.C.S. "CHAMBLY" 8.12.41.

(vii) H.M.C.S. "SWIFT CURRENT" 11.12.41.

- Departures -

(viii) H.M.C.S. "LOUISBURG" for Sydney 8.12.41.

(ix) H.M.C.S. "MALPEQUE" for Sydney 8.12.41.

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(x) H.M.C.S. "MINAS" for Sydney 8.12.41.

(xi) H.M.C.S. "SAGUENAY" for Newfoundland Force 8-12-41.

(xii) H.M.C.S. "ST. CLAIR" for Newfoundland Force 8.12.41.

(xiii) H.M.C.S. "SUDBURY" 8.12.41.

(xiv) HX 164 escorted by U.S. Ships "DALLAS", "ELLIS", "GLEAVES", "INGHAM", "UPSHUR", 8.12.41.

(xv) H.M.C.S. "SWIFT CURRENT" 9.12.41.

(xvi) H.M.S. "AGAMEMNON" for U.K. 10.12.41.

- At St. John's -

- Arrivals -

(xvii) "ALYSSE" 5.12.41.

(xviii) H.M.C.S. "DRUMHELLER" 7.12.41.

(xix) H.M.C.S. "COLUMBIA" 8.12.41.

(xx) H.M.C.S. "GALT" 8.12.41.

(xxi) H.M.S. "BELMONT" 9.12.41.

(xxii) "MIMOSA" en route Halifax 9.12.41.

(xxiii) H.M.C.S. "NAPANEE" 9.12.41.

(xxiv) H.M.S. "NASTURTIUM" 9.12.41.

(xxv) H.M.C.S. "PICTOU" 9.12.41.

(xxvi) H.M.C.S. "SHEDIAC" 9.12.41.

- Departures -

(xxvii) H.M.C.S. "BUCTOUCHE" on escort duties 5.12.41.

(xxviii) H.M.C.S. "HEPATICA" on escort duties 5.12.41.

(xxix) H.M.C.S. "MOOSE JAW" on escort duties 5.12.41.

(xxx) H.M.C.S. "CHAMBLY" 7.12.41.

(xxxi) H.M.C.S. "COLUMBIA" 9.12.41.

(xxxii) H.M.C.S. "PICTOU" on escort duties 9.12.41.

- At Iceland -

- Arrivals -

(xxxiii) H.M.C.S. "AGASSIZ" 6.12.41.

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(xxxiv) H.M.C.S. "AMHERST" 7.12.41.

(xxxv) H.M.C.S. "BITTERSWEET" 7.12.41.

(xxxvi) H.M.C.S. "CHICOUTIMI" 7.12.41.

- Departures -

(xxxvii) H.M.C.S. "KENOGAMI" on escort duties 5.12.41.

(xxxviii) H.M.C.S. "SOREL" on escort duties 6.12.41.

(xxxix) H.M.C.S. "DUNVEGAN" on escort duties 7.12.41.

(xl) H.M.C.S. "AMHERST" on escort duties 10.12.41.

(xli) H.M.C.S. "AGASSIZ" on escort duties 10.12.41.

(xlii) H.M.C.S. "BITTERSWEET" on escort duties 10.12.41.

(xliii) H.M.C.S. "CHICOUTIMI" on escort duties 10.12.41.

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(xliv) H.M.C.S. "ARROWHEAD" arrived Charleston U.S.A. 8.12.41 for refit.

(xlv) H.M.C.S. "CHARLOTTETOWN" sailed Montreal 6th December for Halifax. Arrived Quebec 6.12.41.

(xlvi) H.M.C.S. "CHEDABUCTO" sailed Kingston 7.12.41 for Bermuda.

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(l) H.M.C.S. "LYNX" arrived Shelburne from Halifax 7.12.41.

(li) H.M.C.S. "MAHONE" sailed Kingston 7.12.41.for Bermuda.

(lii) H.M.C.S. "MEDICINE HAT" sailed Quebec 10.12.41.

(liii) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt 11th December.

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(liv) H.M.C.S. "SUDBURY" arrived Sydney 9.12.41.

(lv) S.C. 58 sailed Sydney 4.12.41 escorted by H.M.C. Ships "ST. LAURENT", "HEPATICA", "MOOSE JAW", "WINDFLOWER", "PICTOU", "BUCTOUCHE", and H.M.C.S. "TRILLIUM" and H.M.S. "NASTURTIUM".

(lvi) S.C. 59 sailed Sydney 11.12.41 escorted by H.M.S. "BURNHAM" and H.M.C. Ships "TRILLIUM", "CHILLIWACK", "NAPANEE", "ALGOMA", "DRUMHELLER", "SUMMERSIDE" and "ST. CLAIR".

CONVOYS

A convoy comprising 53 ships of which 25 were British, 7 Norwegian, 6 Dutch, 7 Greek, 2 Panamanian, 1 Eire, 2 Swedish, 1 Polish, 1 U.S., 1 Belgian sailed from Sydney on December 4th under the A/S Escort of H.M.C. Ships "ST. LAURENT", "HEPATICA", "MOOSE JAW", "WINDFLOWER", "PICTOU", "BUCTOUCHE" and H.M.S. "NASTURTIUM".

A convoy comprising 44 ships of which 27 were British, 5 Dutch, 6 Norwegian, 3 U.S., 2 Belgian, 1 Panamanian sailed from Halifax on December 8th under the A/S Escort of U.S. Ships "DALLAS", "ELLIS", "GLEAVES", "EBERLE", "INGHAM", "UPSHUR".

A convoy comprising 40 ships of which 22 were British, 5 Norwegian, 3 Greek, 3 Panamanian, 2 Eire, 1 Icelandic, 3 Dutch, 1 U.S. sailed from Sydney on December 10th under the A/S Escort of H.M.C. Ships "LOUISBURG", "SUDBURY", "GEORGIAN", "NIPIGON", "THUNDER".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

DIRECTOR OF OPERATIONS DIVISION

H.M.C. Corvette "WINDFLOWER" escorting S.C. 58 was sunk by collision with S.S. "ZYPENBERG" in dense fog at 1250Z on the 7th December in position 46° 19' N., 49° 30'W. The Commanding Officer, 3 officers, and 19 ratings were lost.

H.M. Corvette "NASTURTUIM" who was escorting the same convoy was also damaged at the same time, but was escorted into St. John's, Nfld.

Early on Sunday, 7th December, the U.S. Naval Base at Pearl Harbour, Honolulu, was attacked by Japanese aircraft, which were operating from a carrier. The extent of the damage to ships and the Naval Establishment is not yet known, but is believed to be extensive. Simultaneous attacks were also made on the Philippines, Guam and Wake Islands, indicating that the Japanese Fleet had been

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dispersed to strategic points ready to strike some time before the Japanese Government officially declared war on the United States.

Reports have been received of aircraft in the vicinity of the Aleutian Islands and off the Pacific Coast in the vicinity of San Francisco.

No attacks, however, have developed on the Pacific Coast and it is difficult to assess the accuracy of these reports.

On the 10th December, Admiralty announced the loss of H.M.S. "PRINCE OF WALES" and H.M.S. "REPULSE", who were operating off the coast of Malaya. The loss of life was very much lower than was originally expected, approximately 2,300 officers and men having been picked up by the Destroyer escort. Newspaper reports state that both ships were sunk by very determined dive-bombing and torpedo attacks by Japanese aircraft.

H.M.C. Auxiliary Cruiser "PRINCE ROBERT", which had been convoying the Canadian Brigade sent to reinforce Hong Kong, returned to Esquimalt on December 11th.

"PRINCE ROBERT" had left Honolulu only two days before the Japanese attacks on Pearl Harbour.

Owing to the situation on the Pacific Coast, H.M.C. Auxiliary Cruiser "PRINCE DAVID" is being sent from Halifax to Esquimalt with all despatch. "PRINCE DAVID" has just completed a refit at Halifax and would normally have returned to Commander-in-Chief, America and West Indies' command on 12th December.

H.M.C. Auxiliary Cruiser "PRINCE HENRY" which has been employed at St. John's, Nfld. as a depot ship at 2/5 complement, is being returned to full commission as soon as possible.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and eithteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (62), Sydney (45), Saint John (7), Esquimalt (4).

(b) Information regarding arming, etc. has been received regarding the following ships:-

"AIKATERINI T" 3" gun mounted Sydney

.30 Marlin Twin equipments are commencing to arrive from the United Kingdom for fitting in Defensively Equipped Merchant Ships.

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(c) The degaussing equipment of 116 ships was inspected this week in Canadian Ports; 112 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport New York reported that Degaussing had been installed on 10 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of new construction building for the R.C.N. include:-

H.M.C. CORVETTES

"FREDERICTON"	Accepted 3.12.41. commissioned 8.12.41.
"LUNENBURG"	Commissioned 4.12.41.

MINESWEEPERS

"MEDICINE HAT"	Commissioned 4.12.41.
"CUTARDE"	Acceptance Trial and commissioned 4.12.41.
"MELVILLE"	Commissioned 4.12.41.

FAIRMILES

"Q-067"	Launched 6.12.41.

FISHERMEN'S RESERVE PATROL VESSELS

"KUITAN"	Commissioned and accepted 2.12.41.
"MOOLOCK"	Commissioned and accepted 6.12.41.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

The monthly meeting of the Interservice Advisory Board on chemical warfare was held; the Chief Superintendent of the Experimental Field has been in Ottawa this week and there have been several unofficial meetings upon the subject. This office is doing engineering work for Suffield in connection with the ventilation of chemical mixing and filling rooms.

A number of samples of steels have been sent to the Metallurgical Laboratory for test in connection with the new shipbuilding programme.

(g) SUPERINTENDENT OF A/S

An M/S has been fitted with Type 128 A/S this week.

Plans for requirements in personnel for A/S were agreed upon and set up in chart form, then referred to Director of Naval Personnel for information.

Building plans for the proposed addition

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to Esquimalt A/S school and the accommodation of the extra attack teacher were completely outlined.

(h) R.D.F. OFFICER

R.D.F. in H.M.C.S. "PRINCE DAVID" was completed December 6; to date 13 Corvettes and 3 Armed Merchant Cruisers have been fitted with Canadian R.D.F. equipment; Admiralty advises that H.M.C.S. "BARRIE" is being equipped with 271X equipment during refit.

R.D.F. operations in the U.S. Navy have been examined at first hand, and a discussion was held as to whether to fit R.C.N. ships with the 10 cm. equipment.

At National Research Council a study is being made to determine the optimum adjustments for maximum overall efficiency of SW-IC equipment.

(i) SUPERINTENDENT OF BOOM DEFENCE

Normal operations proceed smoothly at Boom Defence depots. At Sydney, N.S. "Derrick No. 7" was employed in placing guns etc. on merchant ships, lifting piles on wharf for Department of Public Works, handling new concrete mooring clumps for curing in the water, and coaling Gate Vessels; preparations proceed for lifting the booms in the near future.

The new Derrick Scow No. 3 was reported as arriving at Gaspe in tow of tug "CHICOUTIMI"; certain defects in the hoisting machinery of this vessel have occurred, the owners have been notified and steps are being taken to make the necessary adjustments or repairs. Net weighing operations at Gaspe have been completed.

At Esquimalt rope units and net fittings have been ordered shipped from Prince Rupert stock to make up a complete new gate for the A/S net.

Lieutenant Durnford returned from a trip to the United Kingdom, where he made a complete study of all types of boom defences, both attack and defence.

(j) RESEARCH LIAISON OFFICER

In connection with the investigation into corrosion of injection pipes on Corvettes, Halifax staff of National Research Council have made measurements of potential differences in the vicinity of pipes to determine if there is any relation between such effects and the corrosion; tests indicate that the corrosion is not caused by electrical leakeage. In Ottawa tentative arrangements have been made to rubber- line one injection pipe to assess the value of this method of protection.

The 12" x 12" synthetic armour slab mold is now in use in the laboratory, and presents a more accurate representation of actual conditions

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than the small 9"x 4" mold.

Halifax staff of National Research Council have been directed to make up two sets of parallel rod noisemakers, and to send them to Admiralty for comparison with standard types of Sweeping Acoustic sweep gear in the actual sweeping of acoustic mines.

(k) DEGAUSSING OFFICER

Ships similar to S.S. "OCEAN VANGUARD", first of the standard freighters building in the U.S.A. are being fitted in Canada with a Degaussing system giving 25% increased ampere turns; it is hoped that this increase will be sufficient to give adequate compensation. However, even with this 25% increase, it is felt that vessels will have to be depermed and also fitted with FI and QI coils of about 400 ampere turns before adequate safety can be assured.

During the week 1 permanent, 4 semi-permanent Degaussing installations were completed, repairs have been carried out on 9 merchant vessels and 3 compass corrector coil installations made.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $158,577.00.

CHIEFS OF STAFF COMMITTEE

13th December,
1 9 4 1.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 20th December, 1941.

Summary of information Respecting Departmental Activities.

SUMMARY NO. 111

(For week ending 20th December)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 18th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	366	3,455	3,821
R.C.N.R.	726	3,948	4,674
R.C.N.V.R.	2,141	16,782	18,926
TOTAL	3,233	24,188	27,421

Increase - 220

(b) Recruiting Activities from December 11th, 1941, to December 18th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	7	0	7
R.C.N.R.	3	5	8
R.C.N.V.R.	5	229	234
TOTAL	15	234	249

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties (See Sec. 2)		0	1	1
Discharges	(a) Med. Unfit	0	8	8
	(b) Other Reasons	0	20	20
TOTAL		0	29	29

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
260	1128	1,388

2. CASUALTIES

John Henry MACLEOD, Able Seaman, R.C.N.R., O.N. A2302 - Died of injuries December 6th, 1941.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	36	354	390
Other Deaths	4	43	47
TOTAL	40	397	437
Wounded of Injured. . . .	2	65	67
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "COLUMBIA" 10.12.41.

(ii) H.M.C.S. "SWIFT CURRENT" from St. Margaret's Bay 11.12.41.

(iii) H.M.C.S. "UNGAVA" 11.12.41.

(iv) H.M.C.S. "ANNAPOLIS" 12.12.41.

(v) H.M.C.S. "DRUMHELLER" 12.12.41.

(vi) H.M.C.S. "LUNENBURG" from Quebec 13.12.41.

(vii) H.M.C.S. "MELVILLE" from Mulgrave 13.12.41.

(viii) H.M.C.S. "CLAYOQUOTE" 14.12.41.

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(ix) H.M.C.S. "MEDICINE HAT" from Quebec 14.12.41.

(x) H.M.C.S. "CHEDABUCTO" 17.12.41.

(xi) H.M.C.S. "MAHONE" 17.12.41.

(xii) H.M.C.S. "PRINCE HENRY" 17.12.41.

- Departures -

(xiii) Cable Ship "CYRUS FIELD" 13.12.41.

(xiv) HX 165 escorted by U.S. Ships "SWANSON", "BUCK", "McCORMICK", "GREER", "HERBERT", and H.M.C. Ships "HAMILTON", "KAMLOOPS", "SASKATOON", "COWICHAN" 15.12.41.

(xv) H.M.C.S. "DAUPHIN" on escort duties 16.12.41.

(xvi) H.M.C.S. "HAMILTON" on local escort duties 16.12.41.

(xvii) H.M.C.S. "KAMLOOPS" on local escort duties 16.12.41.

(xviii) H.M.S. "MARSDALE" for Saint John, N.B. 17.12.41.

(xix) H.M.S. "NASTURTIUM" for refit in U.S.A. 17.12.41.

- At St. John's -

- Arrivals -

(xx) H.M.C.S. "CHILLIWACK" 13.12.41.

(xxi) H.M.C.S. "KENOGAMI" 15.12.41.

(xxii) H.M.C.S. "MAYFLOWER" 15.12.41.

(xxiii) H.M.C.S. "NANAIMO" 15.12.41.

(xxiv) H.M.C.S. "PRESCOTT" 15.12.41.

(xxv) H.M.C.S. "SOREL" 16.12.41.

(xxvi) H.M.C.S. "SPIKENARD" from Halifax 15.12.41.

(xxvii) H.M.C.S. "LETHBRIDGE" from escort duties 17.12.41.

- Departures -

(xxviii) H.M.C.S. "ALGOMA" on escort duties 12.12.41.

(xxix) H.M.C.S. "NAPANEE" on escort duties 12.12.41.

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(xxx) H.M.C.S. "SUMMERSIDE" 12.12.41.

(xxxi) H.M.C.S. "TRILLIUM" on escort duties 12.12.41.

(xxxii) H.M.S. "BELMONT" for U.K. 12.12.41.

(xxxiii) H.M.S. "BURNHAM" on escort duties 12.12.41.

(xxxiv) H.M.C.S. "DUNVEGAN" for Halifax 16.12.41.

(xxxv) H.M.C.S. "KENOGAMI" for Halifax 16.12.41.

(xxxvi) H.M.C.S. "MAYFLOWER" for Halifax 16.12.41.

(xxxvii) H.M.C.S. "PRESCOTT" 16.12.41.

-- At Iceland --

Arrivals --

(xxxviii) H.M.C.S. "ARVIDA" 11.12.41.

(xxxix) H.M.C.S. "BUCTOUCHE" 17.12.41.

- Departures --

(xl) H.M.C.S. "ARVIDA" on escort duties 16.12.41.

(xli) H.M.C.S. "ROSTHERN" on escort duties 16.12.41.

(xlii) H.M.C.S. "SHERBROOKE" on escort duties 16.12.41.

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(xliii) H.M.C.S. "CHEDABUCTO" arrived Bermuda 12.12.41 and sailed 14.12.41.

(xliv) H.M.C.S. "FREDERICTON" arrived Quebec 12.12.41 sailed 15.12.41. for Halifax.

(xlv) H.M.C.S. "MEDICINE HAT" sailed Gaspe 12.12.41.

(xlvi) H.M.C.S. "MINAS" arrived Sydney 12.12.41.

(xlvii) S.C. 60 sailed 16.12.41 escorted by "SAGUENAY", "DAUPHIN", "SPIKENARD", "WETASKIWIN", "SHEDIAC", "CAMROSE".

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DIRECTOR OF OPERATIONS DIVISION

During the last 10 days weather conditions in the North Atlantic have been extremely severe and it was found necessary to disperse four west-bound convoys shortly after reaching the Mid-ocean Meeting Point.

On 16th December, H.M.C.S. "RESTIGOUCHE", who was escorting O.N. 44 was damaged by weather and proceeded to Greenock for repairs.

H.M.C.S. "PRINCE DAVID" sailed from Bermuda on 15th December for Esquimalt, via Panama.

On 1st December H.M.C.S. "BITTERSWEET" picked up 11 survivors from S.S. "TARPOOL" which had been torpedoed 200 miles East South East from Cape Race. Six other members of the torpedoed crew including the Captain landed from their own life boat at Placentia Bay, Nfld.

On 11th December H.M.C.S. "NANAIMO" picked up survivors from S.S. "BLNCLUCH" which caught fire and sank in position 53° 00' N., 38° 00'W. Sabotage is suspected at port of departure.

On 15th December H.M.C.S. "PICTOU" rescued the complete crew of S.S. "HINDARDAL". An attempt was made by the "PICTOU" to tow this ship, but tow had to be abandoned and the ship was sunk by gunfire.

On 18th December H.M. Bangor Minesweepers "MAHONE" and "CHEDABUCTO" arrived at Halifax from Esquimalt. During 1941 a total of 7 Flower Class Corvettes and 9 Bangor Class Minesweepers, which were built on the Pacific Coast, have been transferred to the East Coast.

While escorting S.C. 48, H.M.C.S. "COLUMBIA" sighted a submarine on the surface at a distance of 7 to 8 miles. Speed was increased and an attempt was made to close the submarine. When the range had been reduced to 3 miles, the submarine crash dived and an A/S search was commenced. No contact was made and one depth charge was dropped on the estimated position. On the return sweep over the position, a firm contact was attained and a deliberate attack carried out. Contact was regained for a short period and then faded out, but no wreckage was sighted.

Commodore Commanding Newfoundland Force has reported that owing to the heavy weather in the winter months, the strain on material and personnel of the Newfoundland Escort Force has become dangerously high. As a result, the Admiralty have suggested that the size of Escort Groups be reduced from 8 to 5 ships.

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Consideration by British, Canadian and U.S. Naval authorities is also being given to the use of a more southerly route, which will materially assist by reducing the "distance run" by convoys and give improved weather conditions.

. . . . . .

CONVOYS

A convoy comprising 47 ships of which 28 were British, 10 Norwegian, 5 Dutch, 3 Swedish, 1 Panamanian, 1 Icelandic, sailed from Halifax on December 15th under the A/S Escort of H.M.C. ships "HAMILTON", "KAMLOOPS", "SASKATOON", "COWICHAN".

A convoy comprising 22 ships of which 14 were British, 2 Norwegian, 2 Dutch, 2 Greek, 1 U.S., 1 Panamanian sailed from Sydney on December 17th under the A/S Escort of H.M.C. Ships "SAGUENAY", "CAMROSE", "DAUPHIN", "SPIKENARD", "WETASKIWIN", "SHEDIAC".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and seventy-eight D.E.M.S. inspections were carried out this week in the following ports: Halifax (126), Sydney (39), Saint John (11), Esquimalt (2).

(b) Information regarding arming etc. has been received regarding the following ships:-

"GRANVILLE" In hand arming Esquimalt

It has been decided in view of recent developments to equip coastal vessels of Canadian registry on the West Coast with A/A machine guns, bridge protection, kites and degaussing.

(c) The degaussing equipment of 174 ships was inspected this week in Canadian Ports; 165 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 11 ships in United States Ports.

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(e) DIRECTOR OF TECHNICAL DIVISION

Trials of New Construction building for the R.C.N. include:-

H.M.C. CORVETTES

"WOODSTOCK"	Launched 10.12.41.
"CHARLOTTETOWN"	Accepted and commissioned 13.12.41.
"REGINA"	Dock trial 16.12.41.

MINESWEEPERS

"BELLECHASSE"	All trials completed 10.12.41. Accepted and commissioned 14.12.41.
"VEGREVILLE"	Commissioned 10.12.41.
"GRANDMERE"	Commissioned 11.12.41.
"PORT HOPE"	Launched 13.12.41.

FAIRMILES

"Q-063"	Accepted 7.12.41.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

In regard to Chemical Warfare, sanction has been given to the appointment of an additional officer to the Branch to make a more intensive study of the subject, particularly as an offensive weapon.

An officer is to be appointed to Suffield to act partly as Naval Liaison and to fill the much needed position of Mechanical Engineer on the Station.

(g) SUPERINTENDENT OF A/S

Two Bangor M/S have been equipped with 128 type A/S sets this week.

(h) R.D.F. OFFICER

R.D.F. Officer returned from Washington and Charleston, S.C., at the latter place data was collected regarding the merits of the 10 Centimeter R.D.F. intended to be produced for the R.C.N. from the American design; there too, further liaison was made with U.S. Navy regarding the U.S. policy and U.S. R.D.F. now in production and under development. Lieut. Cdr. Tucker outlined the difficulties the U.S. Navy were having with American supply of 200 Centimeter R.D.F.; loan of a Canadian SW-IC for purposes of comparison was arranged.

In view of the Pacific Coast situation 2 complete SW-IC sets have been shipped to Esquimalt for installation on the 2 Corvettes now employed there.

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(i) SUPERINTENDENT OF BOOM DEFENCE

Normal operations proceed according to schedule.

(j) RESEARCH LIAISON OFFICER

Arrangements have been completed for the construction of a full size 16 foot pulling dinghy by the Mechanical Division of the National Research Council, utilising modern methods of moulded wood construction; fittings are being brought up from Halifax in order that the model may be completed in all details for examination by the Department.

(k) DEGAUSSING OFFICER

It has been decided to fit degaussing on Canadian vessels employed in coastal service on the Pacific. The Department of Transport has been informed and they are alloting the sum of $200,000.00 to take care of these vessels, of which 19 are involved.

During the past week repairs were carried out on one H.M.C. Ship, 10 merchant vessels, and 6 compass corrector coil installations were made; 4 ships were depermed in Halifax.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $146,794.00.

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 27th December, 1941.

Summary of information Respecting Departmental Activities

SUMMARY NO. 112

(For week ending 27th December)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at December 25th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	368	3457	3825
R.C.N.R.	727	3958	4685
R.C.N.V.R.	2165	16817	18982
TOTAL	3260	24232	27492

Increase - 71

(b) Recruiting Activities from December 18th, 1941, to December 25th, 1941:-

	Officers	Ratings	TOTAL
R.C.N.	2	2	4
R.C.N.R.	0	14	14
R.C.N.V.R.	25	47	72
TOTAL	27	63	90

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
(a) Med. Unfit	0	6	6
(b) Other reasons	0	13	13
TOTAL	0	19	19

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	1	0	1
TOTAL	1	0	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
237	1245	1582

2. CASUALTIES

-Nil-

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	36	354	390
Other Deaths	4	43	47
TOTAL	40	397	437
Wounded or Injured	2	65	67
Prisoners of War	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "BURLINGTON" 25.12.41.

(ii) H.M.C.S. "CHARLOTTETOWN" 18.12.41.

(iii) Cable Ship "CYRUS FIELD" 22.12.41.

(iv) H.M.C.S. "DRUMMONDVILLE" 26.12.41.

(v) H.M.C.S. "FREDERICTON" 18.12.41.

(vi) H.M.C.S. "GANANOQUE" 24.12.41.

- Departures -

(vii) H.M.C.S. "METAPEDIA" on escort 21.12.41.

(viii) "ACONITE" for St. Johns Nfld. 22.12.41.

- At St. John's -

- Arrivals -

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(ix) H.M.C.S. "AGASSIZ" from escort duties 21.12.41.

(x) H.M.C.S. "AMHERST" from escort duties 21.12.41.

(xi) H.M.C.S. "ARVIDA" from escort duties 24.12.41.

(xii) H.M.C.S. "BADDECK" from escort duties 25.12.41.

(xiii) H.M.C.S. "CHICOUTIMI" from escort duties 21.12.41.

(xiv) H.M.C.S. "COLLINGWOOD" from escort duties 22.12.41.

(xv) H.M.C.S. "OTTAWA" from Iceland 24.12.41.

(xvi) H.M.C.S. "ROSTHERN" from escort duties 24.12.41.

(xvii) H.M.C.S. "SHERBROOKE" from escort duties 24.12.41.

- Departures -

(xviii) H.M.C.S. "BITTERSWEET" for Halifax 23.12.41.

(xix) H.M.C.S. "COWICHAN" 20.12.41.

(xx) H.M.C.S. "LETHBRIDGE" on escort 23.12.41.

(xxi) H.M.C.S. "NANAIMO" on escort 22.12.41.

(xxii) H.M.C.S. "ST. CLAIR" for St. John N.B. 24.12.41.

- At Iceland -

- Arrivals -

(xxiii) H.M.C.S. "ALGOMA" from escort duties 23.12.41.

(xxiv) H.M.C.S. "CHILLIWACK" from escort duties 23.12.41.

(xxv) H.M.C.S. "DRUMHELLER" 23.12.41.

(xxvi) H.M.C.S. "NAPANEE" from escort duties 22.12.41.

(xxvii) H.M.C.S. "TRILLIUM" from escort duties 22.12.41.

- Departures -

(xxviii) H.M.C.S. "HEPATICA" on escort 21.12.41.

(xxix) H.M.C.S. "MOOSEJAW" on escort 21.12.41.

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- At Quebec -

- Arrivals -

- Departures -

(xxx) H.M.C.S. "CALGARY" for Halifax 24.12.41.

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(xxxi) H.M.C.S. "FENNEL" arrived U.K. 25.12.41.

(xxxii) H.M.C.S. "GRANDMERE" arrived Sydney 23.12.41.

(xxxiii) H.M.C.S. "KAMSACK" arrived Sydney 23.12.41.

(xxxiv) H.M.C.S. "MAYFLOWER" arrived Charleston U.S.A. 23.12.41 for refit.

(xxxv) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt 24.12.41.

(xxxvi) HX 166 sailed Halifax 21.12.41 escorted by U.S. Ships "PLUNKETT" "DECATUR" "COLE" "BADGER" "CAMPBELL".

(xxxvii) S.C. 61 sailed Sydney 21.12.41 escorted by H.M.S. "DIANTHUS" and H.M.C. Ships "NIAGARA" "LETHBRIDGE" "NANAIMO" "MATAPEDIA" "GALT"

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DIRECTOR OF OPERATIONS DIVISION

H.M.C.S. "PRINCE DAVID" sailed Balboa December 20th for Esquimalt, via San Diego, California.

H.M.C.S. "PRINCE ROBERT" arrived Esquimalt December 24th from patrol off west coast between Esquimalt and Prince Rupert.

H.M.C.S. "HIRITICHI", "QUESNEL" and Fishermen's Reserve patrol vessels were employed on West Coast inter-Island patrol duties, during which "QUESNEL's" A/S Dome was carried away by a floating log.

The rounding up of all Fishing Vessels operated by Japanese on the Pacific Coast has been carried out according to plan and they have all now been escorted to Steveston on the Fraser River where the crews will be interrogated by R.C.M.P.

H.M.C. Corvette "DAWSON" and Armed Yacht "SANS PEUR" carried out an A/S sweep of Puget Sound as a result of a submarine report from U.S. authorities. The result was negative.

Free French Corvettes "MIMOSA", "ACONITE", "ALYSSE" and submarine "SURCOUF", now under the command of Admiral Muselier sailed Halifax December 22nd for St. John's Newfoundland. En route they

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stopped at St. Pierre et Miquelon Islands, landed a party and rallied the Islands to the Free French cause.

Rescue tug "PRUDENT" returned to St. John's, Newfoundland, from rendering assistance to S.S. "MACBETH" in mid-Atlantic. Admiralty tug "ZWARTE ZEE" is towing "MACBETH" to British Isles.

Activity at Brest indicates that German Battle Cruisers "SCHARNHORST" and "GNEISENAU" and cruiser "PRINCE EUGEN" may be expected to sail in the near future.

H.M.C.S. "BARRIE" has completed refit and A/S training at Tobermory. She will sail with next O.N. Convoy for Canadian waters.

H.M.C.S. "GRANDIERE" en route Halifax from Quebec, developed engine trouble off St. Paul's Island. H.M.C.S. "KAMSACK" and tug "ST. ANNE" were despatched from Sydney to assist and all three vessels arrived Sydney December 23rd.

H.M.S. "PARRSBORO" grounded on Cape Jourimain Shoal on December 12th. She was refloated unaided the same day and arrived at Saint John N.B. December 19th.

H.M.C.S. "TRAIL" sailed Iceland December 16th to join convoy O.N. 46. December 20th she was ordered to the assistance of S.S. "EMPIRE MARLOW". This vessel was located the same day and "TRAIL" is standing by her.

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CONVOYS

A convoy comprising 17 ships of which 8 were British, 3 Norwegian, 2 Belgian, 2 Dutch, 1 Polish, 1 Swedish, sailed from Sydney on December 21st under the A/S Escort of H.M.C. Ships "NIAGARA" "LETHBRIDGE" "NANAIMO" "MATAPEDIA" "GALT" "SOREL" and H.M.S. "DIANTHUS".

A convoy comprising 37 ships of which 27 were British, 3 Norwegian, 2 Panamanian, 3 Dutch, 1 Russian, 1 U.S., sailed from Halifax on December 21st under the A/S Escort of U.S.S. "PLUNKETT" "DECATUR" "COLE" "BADGER" "CAMPBELL".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and nineteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (77), Sydney (32), Saint John (9) Esquimalt (1).

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(b) Information regarding arming etc. has been received regarding the following ships:-

"PAN NORMAY" 4" gun mounted Halifax

(c) The degaussing equipment of 115 ships was inspected this week in Canadian Ports; 112 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported that Degaussing had been installed on 6 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of H.M.C Ships carried out as available for week ending December 24th, 1941.

H.M.C. CORVETTES

"SACKVILLE" Endurance, Full Power Turning and astern - 18.12.41.

"REGINA" Full Power trial - 20.12.41.

MINESWEEPERS

"PORT HOPE" Launched 13.12.41.

"KENORA" Launched 20.12.41.

FAIRMILES

"Q-064" Endurance and Full Power, Steering and Anchor - 17.12.41.

FISHERMEN'S RESERVE PATROL VESSELS

"NEWFOOK" Dock, Progressive and Endurance- 19.12.41 Accepted and Commissioned - 23.12.41.

(f) SENIOR TECHNICIAN: TECHNICAL DIVISION

Word has been received that all the components of S.A. gear type "A" have now been inspected and passed for shipment.

Lieut. Collingwood, R.N.V.R., visited Ottawa during the week. This officer is attached to D.T.& N. and conversation with him was productive of much general information with regard to the operation of S.A. gear. Lieut. Collingwood was able to give a little more information than had previously been received, on the German combined magnetic accoustic mine. Full information giving all the characteristics of this mine has not yet been promulgated by Admiralty.

Definite appointments have been made of: Lieut. W.F. Grey, R.C.N.V.R. to N.S.H.Q. for chemical

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warfare. Sub-Lieut. C.E. Moore, R.C.N.V.R. to Suffield as Naval Liaison and as mechanical engineer to the station.

(g) RESEARCH LIAISON OFFICER

Machining operations have been completed on the cells required to fit Polaroid type "H" filters to one pair of B. & L. 7 x 50 binoculars. Within the next few days the assembly will be completed for trials in service.

Miscellaneous tests under way:

(a) Cotton log lines compared with Italian Hemp as a possible substitute, due to the scarcity of Italian Hemp.

(b) An automatic lifejacket light made by Triumph Explosives is undergoing tests for reliability in service.

(c) A further sample of zigzag tread Miner knee boots equipped with a fleece lining is under test for non-skid properties, and efficiency of the lining material employed.

(h) SUPERINTENDENT OF A/S

The total of ships fitted with Asdics, 1941-42 to date is as follows:-

Ship	Set	Total
Corvettes	123A	57
Bangor M/S	128	20
Fairmiles	134A	4

As of December 19th, the numbers of non substantive personnel in the branch were:

	R.C.N.	R.C.N.R. & R.C.N.V.R.	Total
S.D.I.	4	-	4
H.S.D.	53	32	85
S.D.	88	405	493

Spare Asdic equipment such as domes and other gear liable to damage under severe operating conditions was despatched to the West Coast.

(i) R.D.F. OFFICER

The Supply of SW-IC R.D.F. slowed down during the week but, nevertheless, it is confirmed that only minor parts are awaited at R.E.L. to complete a large number, probably 30 of this type. Confirmation was obtained by telephone on the 22nd, that 10 sets will be shipped this week.

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Urgent representations have been made by R.D.F.O. regarding the continued need for a ship to carry out R.D.F. trials in Halifax. At this moment it does not appear that any ship other than "BEAVER" will be available and this ship not before the end of January. It is unfortunate that the completion of the beacon design has been delayed as the installation of the beacons in our airports would have been a valuable addition to the navigational aids.

Arrangements were completed with R.E.L. for the purchase of a suitable trailer and its fitting with facilities for R.D.F. maintenance. This trailer is now nearing completion and will be shipped to St. John's, Newfoundland, with the hope that it will partly overcome their present difficulties.

In view of the slow progress being made in the completion of the flexible drive rotator design, information is now being sought from other sources. Lt. Carlisle discussed the question with engineers of the R.C.A. and Northern Electric Company in Montreal, in addition to an inquiry being made by letter to the Stow Co. of Binghamton, New York.

Fifty type SW-IC are on order for B.A.T.M./B.A.R.M. These are put at our disposal if we need them, it being understood that the fifty will eventually become a reserve pool held on this continent as an insurance against destruction of Admiralty R.D.F. stores in Britain by enemy action.

(j) SUPERINTENDENT OF BOOM DEFENCE

Halifax - N.S. -

At the Eastern Passage Pile Maze six lengths of Wire Rope were stretched the entire length of the obstruction to close all openings. Old Wire from the Nets was used for this purpose.

One new Gate Opening Wire was installed to replace broken Wire. Bridles to the Signal Flares were lengthened.

Sydney - N.S. -

The Inspector of Booms, Assistant, Assistant Superintendent of Boom Defence and the Assistant Inspector of Booms have arrived to commence Net Lifting Operations. The C.G.S. "DRUID", Tug "STE. ANNE" and "DERRICK NO. 3" arrived at Sydney on December 14th from Gaspe, P.Q.

One Baffle of the A/T Net, which is 50% of that installation, was removed and taken ashore. Lifting Operations are proceeding satisfactorily.

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Shelburne - N.S. -

Two Mooring Buoys broke loose from the A/S Net in a heavy gale. Minor repairs have been carried out to Gate Vessels. Buoys are being changed for painting as required.

St. John's, Nfld. -

A Gate has been installed in the A/T Net, details of which have been requested from the Boom Defence Officer through the Commodore Commanding Newfoundland Forces. This Gate is kept closed at night only. Daily inspection of the Nets was carried out.

Esquimalt, B.C. -

Preparations were made to weave the new A/S Gate Section to replace the present one which is due for renewal. Wire and Rope Units were received from Prince Rupert Stores by Headquarters' arrangements for this operation.

Two Sections of A/T Net were installed across the entrance to the Canadian Government Drydock. These two Sections consisting of a total of four A/T Nets 73' x 30' are secured between the concrete approach on the North Side and the new Pile Jetty on the South Side, 177' from the position of the outer Dock Gate.

5. STORES

Total value of Contract Demands raised for the week ending December 25th, 1941, amounts to $170,674.00.

CHIEFS OF STAFF COMMITTEE

27th December
1941

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SECRET

SUMMARY OF NAVAL WAR EFFORT

October 1st to December 31st, 1941.

NOTE: This Summary is a continuation of that from July 1st to September 30th, 1941. It also covers general progress made during the year 1941.

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I.	NAVAL SERVICE HEADQUARTERS	1
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NOTE: Items marked # must NOT be made public.

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I - NAVAL SERVICE HEADQUARTERS

1. Another year of rapid expansion has made the question of office accommodation for N.S.H.Q. a constant problem. The general growth of R.C.N. personnel - from 14,000 on December 1st, 1940, to 27,000 on December 1st, 1941 - has been reflected in the size of Headquarters staff.

2. Naval personnel at N.S.H.Q. in December, 1941, numbered 438 (184 officers and 254 ratings) against 293 in December, 1940. In addition, civilian employees at N.S.H.Q. in December, 1941, totalled 790, compared with approximately 400 the previous year.

3. Unfortunately it was not possible to provide adequate accommodation commensurate with the continuously-growing staff, and the close of the year found conditions of considerable overcrowding. Temporary alleviation was afforded when the R.C.N. occupied the reconstructed Aylmer Building, in June, 1941. However, the staff rapidly outgrew the accommodation and various proposals were considered to secure additional office-space. It is proposed to erect a temporary building on Cartier Square to house all N.S.H.Q. departments and plans of such a building are being prepared.

4. At present the following office-space is occupied by N.S.H.Q.:-

Aylmer	-	40,820 sq. ft.
Robinson	-	19,000 sq. ft.
Truro	-	5,850 sq. ft.
		65,670 sq. ft.

(This does not include the Equipment Division, which is separately accommodated at 1153 Wellington Street.)

5. The projected building on Cartier Square will provide 156,000 sq. ft. of office space. When N.S.H.Q. staff moves into this building the quarters now occupied will be taken over by other Services.

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II. - Personnel

Strength

1. Mobilized strength on 31st December, 1941, was 3,389 officers and 24,633 ratings, a total of 28,022. This represents an increase of 244 officers and 951 ratings, or a total of 1,195 for the quarter. Increase for the year was 1,701 officers and 11,449 ratings, a total of 13,150.

2. In addition there were 150 officers and 1,500 ratings on Divisional strength on 31st December, 1941.

3. Distribution of Naval personnel between ships and shore establishments was as follows:

	Officers	Ratings	Total
Afloat	34.5%	39.98%	39.2%
Ashore	65.5%	60.02%	60.8%

About one third of the personnel ashore are new entries undergoing preliminary training or ratings undergoing non-substantive courses.

Officers lent to the Royal Navy

4. Of the 424 R.C.N.V.R. officers on loan to the Royal Navy, 328 are Executive Branch, 68 Special Branch and 38 Surgeon Lieutenants. In addition, 72 R.C.N., two R.C.N.R. and 33 Sub-Lieutenants (E) R.C.N.V.R. (Temp) are undergoing training with the Royal Navy.

Officer - Entry and Training

5. Entry of Executive, Engineer and Accountant officers continues to be by selection, and in probationary rank. After entry, probationary officers receive preliminary training at Divisions before appointment to H.M.C.S. Royal Roads or H.M.C.S. Kings. Special Branch officers receive a minimum of two weeks' disciplinary training before taking up their appointments.

6. One hundred and seventy-two gentlemen were entered on Divisional strength as Probationary Sub-Lieutenants during the last quarter of 1941 after selection by the board.

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7. The fourth officer training course at H.M.C.S. Royal Roads commenced on the 2nd January and consisted of 125 Probationary Sub-Lieutenants. On this date twenty Probationary Paymaster Sub-Lieutenants also commenced training at H.M.C.S. Kings.

8. It is intended in future to appoint officers to H.M.C.S. Kings in groups of 32 every four weeks instead of 125 each quarter. Under this system it will be possible to give officers preliminary sea training and a larger degree of individual attention. It is hoped also that the manning and drafting problem may be simplified.

Promotion From Lower Deck.

9. During the quarter 24 ratings were promoted to Probationary Sub-Lieutenant, nine to Probationary Paymaster Sub-Lieutenant and one to Sub-Lieutenant (Special Branch). All were appointed to training establishments to date 2nd January, 1942.

10. A total of 78 ratings were promoted, either to Warrant or Commissioned rank, in Canada during 1941.

11. Of the 150 ratings who were lent to the Royal Navy for training with a view to eventual promotion to commissioned rank, 134 were granted commissions in the Executive Branch, two in the Special Branch, six have passed selection boards and are now under training at King Alfred, six were casualties prior to board, two failed courses, were returned to Canada and discharged as unsuitable.

Ratings - Recruiting

12. There is no decrease in the number of applicants for entry into the Seaman and Accountant Branches nor for entry as Stokers 2nd Class. Weekly returns from Divisions continue to show approximately 5,000 current applications on file. This may be taken as the average number of applicants available for immediate entry. The standard of recruit continues to be very good.

13. Recruiting of Artisan and Engine Room ratings has presented more difficulty and it is anticipated that by next spring there will be few, if any, applicants for these Branches.

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14. To meet this shortage 120 youths have been taken on Divisional Strength in H.M.C.S. Star and are undergoing technical training at Galt, Ontario. Other personnel is being trained at Halifax and Esquimalt Mechanical Training Establishments.

15. New Entry Classes for anti-submarine ratings have been continued at the University of Toronto and approximately 200 of these ratings are now at sea preparatory to undergoing Non-Substantive courses in S.D.

16. On 31st December, 1941, there were in Canada 25 Sea Cadet Corps, with a total number of 3,130 Sea Cadet Officers and Sea Cadets attached. It is anticipated that this will be increased during the fiscal year of 1942-43 to 81 Corps with a total complement of 8,100.

17. A co-ordination of Sea Cadet Activities, Mr. R.C. Stevenson, of Montreal, has been appointed by the Minister to visit and report on Sea Cadet Corps in Canada. He has volunteered his services gratuitously.

18. Casualties. During the last quarter of 1941 five officers and 23 ratings lost their lives or were listed as missing while serving on Active Service. A further seven ratings died from other causes. One officer was wounded in action. The loss of H.M.C.S. "WINDFLOWER" from collision while on escort duty resulted in the death of four officers and 18 ratings.

19. Following are the officers mentioned above:

Lieut. Douglas M. BAIN, RCNVR.	Missing believed killed whilst serving in a C.A.M. Ship 1-10-41.
Lieut. John PRICE, RCNVR.	Lost in WINDFLOWER 7.12.41.
Mate A.J.K. COLLIN, RCNVR.	Lost in WINDFLOWER 7.12.41.
Sub-Lieut. J.F.C. BECK, RCNVR.	Lost in WINDFLOWER 7.12.41.
Sub-Lieut. W.E. SHIELDS, RCNVR.	Lost in WINDFLOWER 7.12.41.

Wounded

Lieut. Kenneth C. McRAE, RCNVR. In air attack.

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III--SHIPS

Auxiliary Cruisers

1. H.M.C.S. "PRINCE HENRY" was used as a depot ship at St. John's, Nfld., from November 16th to December 15th. Owing to developments in the Pacific she was put into full commission and was sailed for Bermuda for a two weeks working up period commencing December 29th.

2. H.M.C.S. "PRINCE ROBERT" was employed during November in escorting troop convoy from Vancouver to Hongkong. On her return passage she left Honolulu on December 5th, two days before the Japanese attack on that base. She is now employed on patrol duty on the West Coast of British Columbia.

3. H.M.C.S. "PRINCE DAVID", who had been serving under the orders of C. in C.A. & W.I., completed a refit at Halifax on December 12th. She was then sailed for Esquimalt, where she is carrying out patrol duties on the West Coast of British Columbia.

Destroyers

4. H.M.C.S. "ANNAPOLIS" and H.M.C.S. "HAMILTON" are based at Halifax, and are employed as local escorts for convoys. The remaining 11, destroyers are based at St.John's, Nfld., and are employed as convoy escorts in the Newfoundland Escort Force.

5. Five destroyers - "BROADWAY", "BURNHAM", "BURWELL", "RAMSEY", and "READING", are attached to the Newfoundland Escort Force.

Corvettes

6. Eighty Flower Class corvettes of the 1940-41 programme have been launched to date. Of these, two have been lost, 65 are in commission, leaving 13 to be completed. The disposition of the corvettes in commission is given on the attached appendix.

7. Six H.M. corvettes, "CANDYTUFT", "CELADINE", "DIANTHUS", "NASTURTIUM", "POLYANTHUS" and "PRIMROSE", are attached to the Newfoundland Escort Force until this force reaches full complement. They will then be released to the Royal Navy. Three Free French corvettes, "ACONITE" "ALYSSE" and "MIMOSA", are also attached to the

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Newfoundland Escort Force.

Minesweepers

8. Thirty-seven Bangor Class minesweepers have been launched to date. Of these 26 are in commission. On completion of their working up period at Halifax these vessels are being used for local escort duties with the various forces.

9. A total of seven Flower Class corvettes and nine Bangor Class minesweepers built on the Pacific Coast have been transferred to the East Coast.

10. Four H.M. Bangor Class minesweepers, "TADOUSSAC", "WEDGEPORT", "FORT YORK" and "PARRSBORO", have arrived St. John, N.B., where they will be completed.

Fairmiles:

11. It was hoped that 13 Fairmiles would have reached Halifax before the freeze-up, but it was necessary for three to be laid up for the winter at Toronto and one at Sarnia. Four are in full commission in Halifax and five have been laid up there for the winter.

Motor Torpedo Boats:

12. The 12 motor torpedo boats building for the R.C.N. at Canadian Power Boat Company, Montreal, have been turned over to the R.N. and will be operated in the Eastern Mediterranean. The ex-U.S.N. motor torpedo boats taken over by the R.C.N. have been transferred to the R.C.A.F. as rescue boats.

13. Fishermen's Reserve: The rounding up of all fishing vessels operated by Japanese on the Pacific Coast has been carried out according to plan, and they have all now been escorted to Steveston on the Fraser River, where the crews are being interrogated by the R.C.M.P. Certain of these vessels will be requisitioned for the R.C.N.

14. Armed Yachts: On November 25th H.M.C.S. "REINDEER" and "RACCOON" left Gaspe for Sydney, where they will act as A/S patrol until that port closes for the winter. H.M.C.S. "VISON" and "ELK" sailed for Bermuda on November 19th. These two armed yachts have been placed under the orders of C. in C., A. & W.I. for the winter months. With the departure of these ships the Gaspe Patrol ceased to operate.

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Attacks on Convoys

15. S.C. 42: On September 10th Convoy S.C. 42 was attacked by U/boats approximately 60 miles east of Greenland. This convoy was escorted by H.M.C.S. "SKEENA" and three corvettes only, and the attacks continued for three days, with a large number of U-boats taking part.

16. Fortunately "CHAMBLY" and "MOOSE JAW" were on a training cruise in the vicinity of this convoy. They were ordered to reinforce the escort, and arrived from ahead as the first attacks were developing. "CHAMBLY" severely damaged a U-boat with her first pattern of depth charges, and forced it to surface. "MOOSE JAW" then rammed the submarine, which subsequently sank. Most of the crew of the U-boat were made prisoner. "SKEENA and "KITCHENER" subsequently made three very promising attacks on U-boats. Sixteen ships of the convoy were torpedoed, 15 of which sank.

17. S.C. 44: On September 20th Convoy S.C. 44 was attacked by U-boats about 180 miles East of Greenland. The escort consisted of H.M.S. "CHESTERFIELD" and four corvettes, which was reinforced by two corvettes from H.X.149. During this attack four ships of the convoy were torpedoed, three of which sank, and H.M.C.S. "LEVIS" was torpedoed and subsequently sank.

18. S.C. 46: On September 26th Convoy S.C. 46 suffered the following marine casualties during passage of Belle Isle Strait in dense fog:

(1) two ships grounded: (2) one ship sunk in collision; (3) four ships damaged in collision.

Three ships were a total loss and four are being repaired at Halifax.

19. S.C. 48: On October 15th Convoy S.C. 48 was attacked by U-boats in mid-Atlantic. The escort consisted of H.M.C.S. "COLUMBIA" and seven corvettes, which was subsequently reinforced by two corvettes from O.N. 25, two destroyers from T.C. 14, U.S.S. "KEARNEY" and H.M.S. "BROADWATER". This attack was made by a considerable number of U-boats, and nine ships of the convoy were torpedoed, eight of which subsequently sank. In addition U.S.S. "KEARNEY" was torpedoed but subsequently reached Iceland. H.M. destroyer "BROADWATER" and H.M. corvettes "GLADIOLUS" were also torpedoed and sank.

20. S.C. 52: On November 3rd, S.C. 52 was attacked by U-boats approximately 150 miles east of Belle Isle Straits. Four ships of the convoy were sunk. The convoy was ordered to scatter and return to Sydney via the Belle Isle Straits. Two more ships were lost by grounding. H.M.C.S. "BUCTOUCHE" carried out a counter attack on an underwater contact, and a large amount of oil was sighted.

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21. Losses of H.M. and H.M.C. Ships

On September 19th, H.M.C.S. "LEVIS", while escorting an eastbound slow convoy, was torpedoed, and after being towed by H.M.C.S. "MAYFLOWER" for 15 hours sank.

22. It was announced by the Admiralty on October 26th that H.M. corvette "GLADIOLUS", formerly with the Newfoundland Escort Force, was overdue, and must be considered lost.

23. H.M.C.S. "WINDFLOWER" was sunk by collision with S.S. "ZYPENBURG" in dense fog on December 7th, approximately 200 miles south east of Cape Race. The Commanding Officer, three officers and 19 ratings were lost.

24. Weather Conditions

Since the beginning of December weather conditions in the North Atlantic have been extremely severe, and several westbound convoys have been dispersed shortly after reaching the MOMP.

25. F.O.N.F. reported that owing to the heavy weather in the winter months the strain on material and personnel of the Newfoundland Escort Force had become dangerously high. The Admiralty suggested reducing escort groups from eight to five ships.

26. Consideration by British, Canadian and U.S. Naval authorities is also being given to the use of a more southerly route, which will materially assist by reducing the "distance run" by convoys and give improved weather conditions.

Miscellaneous

27. Free French Corvettes "ACONITE", "ALYSSE" and "MIMOSA" and Free French submarine cruiser "SURCOUF", under the command of Admiral Muselier, sailed Halifax December 22nd for St. John's, Nfld. En route they stopped at St. Pierre and Miquelon Islands, landed a party and rallied the Islands to the Free French cause. "ACONITE" and "ALYSSE" were then allowed to rejoin the N.E.F., but "MIMOSA" and "SURCOUF" have been retained by Admiral Muselier at St. Pierre.

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DISPOSITION OF H.M.C. SHIPS

C179433

1st January 1942.

	AUXILIARY CRUISERS	DESTROYERS			CORVETTES		MINESWEEPERS				FAIRMILE MOTOR LAUNCHES	ARMED YACHTS	BASE SUPPLY SHIPS
		TRIBALS	RIVERS	TOWNS	283' TWIN SCREWS	FLOWERS	ALGERINES	BANGORS	MODIFIED BASSETTS	MISCELLANEOUS			
NEWFOUNDLAND ESCORT FORCE			6	3 S.L. 2 L.L.		43							
NEWFOUNDLAND LOCAL FORCE (includes Botwood & Belle Is.)								2					
ST. JOHN'S, NFLD. LOCAL DEFENCE FORCE													
HALIFAX FORCE	1			2 S.L.		2							
HALIFAX LOCAL DEFENCE FORCE						x 1		x 1	4	2 L.L.		3	
SYDNEY FORCE						4		5					
SYDNEY LOCAL DEFENCE FORCE										1 Aux.) 2 L.L.)		3	
GASPE FORCE													
SHELBURNE FORCE												1	
SAINT JOHN, N.B., LOCAL DEFENCE FORCE												1	
PACIFIC COAST	2					3		5				3	
UNDER TRAINING BRITISH ISLES						4							
UNDER TRAINING HALIFAX						8		13			4		
UNDER ORDERS TO R.N. AUTHORITIES												2	
TOTAL IN COMMISSION 1.1.42	3		6	7		65		26	4	5	4	13	
1940-41 PROGRAMME (not yet completed)		4				13		22		3 C.S.	32		2
1941-42 PROGRAMME		2			10								
1942-43 PROGRAMME		2			20		10						
TOTAL	3	8	6	7	30	78	10	48	4	8	36	13	2

Notes to Appendix on following page.

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Notes to Appendix.

NOTE 1: The following forces are also allotted to the Newfoundland Escort Force:

Royal Navy (5 Town Class Destroyers
(5 Corvettes
Ships Manned by) 3 Corvettes
Free French Navy)

NOTE 2: The Newfoundland Local Force includes the St. John's, Nfld. Force, Botwood Force, and the Strait of Belle Isle Patrol. The local distribution is to be arranged by E.C.N.F. and reported by him to N.S.H.Q.

NOTE 3: The ships shown under Pacific Coast include the Esquimalt Force and the Local Defence Forces at Esquimalt, Vancouver and Prince Rupert. The local distribution is to be arranged by C.O.P.C. and reported by him to N.S.H.Q.

NOTE 4: In addition to vessels shown, there are 210 Auxiliary Vessels in commission.

ABBREVIATIONS:

Under Destroyers:

- L.L. - Longlegged (approx. 400 T. fuel)
- S.L. - Shortlegged(" 300 " ")
- xx - Not yet approved

Under Corvettes:

- x - For A/S Training

Under Minesweepers:

- C.S. - Coil Skid
- x - For A/S Training
- L.L. - Magnetic

Under Fairmiles:

- # - Includes 9 completed but laid up for winter.

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Halifax.

1. Port defence measures generally continued to operate satisfactorily.

2. Tests are nearing completion at the Duncan's Cove Coastal Defence R.D.F. Station, the largest fixed R.D.F. Station in Canada. The station was out of operation for a period in October and the National Research Council co-operated in the repair work.

3. The Harbour Asdic and Indicator Loop Station at Camperdown has been manned and instructional watches commenced. The three indicator loops continued to operate satisfactorily.

4. The Night Watchman R.D.F. on Hill 100 has been in operation for well over 4,000 hours. Local personnel report that the desirability of now installing the second set, as was originally intended, is apparent. The second set, it is understood, was diverted to another purpose. This station is linked with the Controlled Minefield and is reported to be proving of considerable service.

5. Alterations to the old Port War Signal Station have been completed and X.D.O. watchkeeping is to be moved from Sleepy Cove. A co-ordination plotting table is being constructed.

6. Necessary maintenance has been carried out on the double-line anti-submarine boom. As an anti-submarine and anti-boat obstruction a pile maze is in place in Eastern Passage and between Lawlor's Island and McNab's Island.

Sydney, N.S.

7. Ordinary maintenance work was carried out to both gate vessels and boom defence. The A/T and A/S booms were laid in June and weighed in December. Necessary additions have been made to boom defence buildings erected last year.

8. It is proposed to put down the sea unit of the Harbour Defence Asdic Station and begin operations as soon as possible in the Spring. All buildings for the station have been completed.

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Saint John, N.B.

9. Work is still proceeding on the 540 ft.-long log construction anti-boat boom, between Partridge Island and the Mainland.

10. The Examination Service continued to function efficiently, and frequent co-operation exercises with the Army and Air Force were carried out.

11. The Tiner's Point War Watching Station, the Mispec Point Port War Signal Station and the Partridge Island Signal Station reported satisfactory operations.

12. Plans are in hand for the installation of low power coastal R.D.F.

St. John's, Nfld.

13. An anti-torpedo boom was laid in August and weighed in December. Suitable buildings and a maintenance yard for boom defence work have been leased.

14. The W/T Station on the Bay Bulls Road has been completed and it is expected that the P.W.S.S. at Cape Spear will be completed early in 1942.

15. Work is proceeding on various buildings of the Naval Dockyard.

16. Regarding the Naval Base, construction is well advanced on the following buildings: Hospital; Barracks; Administration Building; Officers' Quarters; Workshops. Considerable tunnelling has been driven for the magazine.

17. An R.D.F. officer and maintenance staff have been established.

Gaspe, P.Q.

18. Construction of the Naval Base has steadily advanced. February 1st is considered the earliest date that any building, administration or living-quarters, will be habitable.

19. The forts at Prevel Head, Peninsula and Haldimand are practically complete, and several exercises have been held with the Army.

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20. All boom defence buildings have been completed. The A/S boom, laid in August, was lifted for the winter in December.

21. Work on the P.W.S.S. at Red Head continues.

22. A survey has been made in order to erect a building for a low power coastal R.D.F.

Shelburne, N.S.

23. Boom defences were completed and worked satisfactorily. A double-line A/S boom was laid in September and is to remain in position the year round.

24. Construction of buildings at the new base is progressing favourably. Work has been in progress on the Colin King property, which is being converted into a barracks, and the P.W.S.S.

25. The Examination Battery and Boom Defence Battery carried out customary practices.

Esquimalt, B.C.

26. The single-line A/S boom and the double line A/T boom, both of which are in position throughout the year, have operated efficiently.

27. Army authorities have allocated two Bofors and two 0"5 machine guns for A/A protection of R.C.N. Barracks, Dockyard and Graving Dock area.

28. The Port War Signal Stations at Discovery Island and Church Hill operated satisfactorily. A War Watching Station at Sheringham Point is projected.

Prince Rupert, B.C.

29. An A/S boom was laid in September. Arrangements have been made to assemble and lay an A/B boom of log construction in Metlakatla Passage. It is expected that this boom will be completed in February, 1942. Boom defence buildings are still under construction, and this work should be completed in January.

30. Work has commenced on the W/T Station. Construction is also in progress on Port War Signal Stations at E. Kinahan Island and Big Creek Point, the latter being near Yorke Island.

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V - COMMUNICATIONS.

Wireless Telegraphy.

1. W/T Receivers: Fifteen receivers U.S. Navy type R.A.K. were produced in Canada by the R.C.A. Victor Company, Montreal, and were accepted for delivery on 9th December, 1941. These receivers performed very satisfactorily under test, but are considered too expensive for general use.

2. In co-operation with technical officers of the British Admiralty and the R.C.N., R.C.A. Victor Company are developing a low frequency receiver to give the performance and have the mechanical strength of the R.A.K., but at a price to be slightly more than half of that of the R.A.K. This receiver, if satisfactory, will be adopted as the standard low frequency receiver for the R.C.N. and for R.N. vessels fitted in Canada.

3. U.S. Navy type R.A.W. receivers have been adopted as the standard high frequency receiver for R.C.N. and R.N. ships built in Canada. This receiver is the National H.R.O. Model, with certain modifications found necessary as a result of sea experience.

4. The Marconi MSL 5 receiver remains as the standard low frequency receiver for Merchant Vessels, and Naval Auxiliary Craft, but its performance does not meet naval standards for larger vessels.

5. The Marconi SMR 3 "all wave" receiver has been fitted in all corvettes and minesweepers to date, approximately 150 of this type receiver having been delivered to the Naval Service by Canadian Marconi Company. This receiver is also being fitted as the second receiver in Merchant Vessels now under construction.

6. D/F Receivers: The Marconi D/F Receiver MDF 5 has given very satisfactory results and has been fitted in all New Construction Vessels, and a number of vessels taken up for service in the R.C.N. including the ex-U.S. destroyers.

7. Trans receivers: Portable type P.N.1 has been slightly modified to conserve battery power and will be designated as type P.N.1A. Fifty of these sets are on order for delivery in January, 1942.

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8. Semi-portable type F.R. 12 has been adopted as the R/T and emergency W/T set for escort vessels and the possibility of incorporating remote control is now under investigation. The frequency range has been extended to cover frequencies likely to be required by escort vessels proceeding to the U.K., and arrangements are being made for the supply of a number of crystals to each vessel to meet expected requirements.

9. W/T Transmitters: Two high power low frequency transmitters (one each for Halifax and Esquimalt) are being developed to R.C.N. specifications by R.C.A. Victor Company. Delivery of the first set is expected about mid-May, 1942.

10. A Marconi 1 KW low frequency transmitter has been delivered to Esquimalt for use in the Esquimalt W/T Station, and a similar set is on order for Halifax W/T Station.

11. The three Marconi SWB11 H/F transmitters, for Ottawa, Halifax and Esquimalt, are in production and will be available about mid-March, 1942. The production of these sets has been retarded due to more urgent commitments and to the fact that new buildings to house the equipment are not yet available.

12. It is considered essential that Halifax and Esquimalt be provided with an additional low frequency transmitter of low power to fill the gap between the 1 KW and the 50 KW sets now in production. Details of suitable equipment are being worked out and it is hoped to be able to commence development early in January, 1942.

13. Approximately 90 PV 500 W/T transmitters have been fitted in sea-going vessels. Many defects reported from corvettes proved to be due mainly to water entering the W/T office. The transmitters have proved very efficient in performance, ranges up to 700 miles on low frequency and 4,000 miles on high frequency having been reported.

14. Loudspeaker Hail Equipments: Inexpensive portable loudspeaker hail equipments have proved satisfactory for the service for which they were intended and additional quantities have been purchased during 1941.

15. The R.C.A. type loudspeaker hail equipment, as fitted in corvettes and minesweepers, while very efficient in the hands of a qualified officer or rating, proved to have too great an output to be easily handled and resulted

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in many breakdowns due to inefficient use. A cheaper and less powerful set is being developed and will be fitted in future new construction vessels.

16. Merchant Vessels' W/T Equipment: For the purpose of maintaining W/T equipment fitted in merchant vessels by the Canadian Marconi Company on a rental basis, that firm has been classified as a "Ship Repair" firm and is thereby able to obtain priority ratings for this class of equipment.

17. In order to ensure the granting of priority rates for new W/T equipment, the Department of Munitions & Supply, on behalf of the R.C.N., has entered into a contract with the Canadian Marconi Company to enable that company to maintain a stock of equipment and to fit vessels as instructed by the R.C.N.. The type and amount of equipment stocked is to be decided by agreement between R.C.N. technical officers and officials of the Marine Department of Canadian Marconi Company; the actual fitting of the equipment to be done by Marconi Company under the direction of the N.C.S.O.'s at Canadian ports.

18. Ottawa W/T Station: Traffic handled by this station increased steadily throughout the year in spite of the fact that certain lines were dropped in favour of teletype circuits. The station continues to be manned by very junior ratings and the standard of efficiency remains high, due mainly to the preliminary training of the ratings and hard work on the part of the few Senior personnel.

19. It is understood that the Army wireless station will vacate the property in the Spring of 1942 and their building will be taken over by Ottawa Naval W/T Station. This will make it possible to erect directional antennae and should lead to a consequent increase in efficiency and more reliable services.

20. The table below shows the monthly W/T traffic handled by Ottawa W/T Station for 1941, also the yearly traffic from 1930 to 1941 inclusive:

1941 Monthly W/T Traffic		Yearly Traffic 1931-1941	
January	5851	1930	3252
February	5132	1931	6043
March	5132	1932	7314
April	5176	1933	9056
May	5629	1934	11934
June	5629	1935	12423
July	5131	1936	12880
August	5814	1937	16122
September	5997	1938	18622
October	7596	1939	26440
November	7608	1940	58508
December	7081	1941	71776

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21. Halifax W/T Station: Sites have been selected for new transmitting and receiving stations. The receiving site has been acquired, and expropriation proceedings are in process in order to obtain the transmitting station site.

22. Plans of the receiving station building are near completion and equipment for the building is on order. Plans for the transmitting buildings are being drawn up and it is hoped to have the buildings available by mid-May, 1942.

23. Esquimalt W/T Station: Sites have been selected and negotiations are in progress for acquiring the properties.

It is intended that the buildings be identical with those at Halifax, and available early in May 1942.

Signal Distributing and Cypher Offices.

24.

Total number of messages handled July to December inclusive	155,443
Monthly Average	25,907
Daily Average	844
Increase in Monthly Total between July and December	5,396
Increase in Staff during this period	37
TOTAL Employees (1st July)	83
TOTAL Employees (31st December)	120

25. Difficulties are still being experienced in obtaining sufficient staff. Further increase will become necessary in the near future to enable the growing numbers of messages to be dealt with efficiently and rapidly.

26. The Ottawa - Halifax Teletype, which is now duplex, can barely handle the required traffic and it seems most probable an additional line will be necessary in the near future. A teletype line to the British Admiralty Delegation, Washington, has been installed, also a line to the R.C.A.F. Headquarters, Ottawa, for communication with the Canadian Attaches in Washington. The Teletype Line to Ottawa W/T, now working one way, cannot handle the traffic and this causes many delays. It is proposed to make this line duplex.

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THE WHOLE OF THIS SECTION IS TO BE REGARDED AS SECRET

VI INTELLIGENCE AND TRADE DIVISIONS

INTELLIGENCE SECTIONS

Foreign Intelligence

1. The appearance of enemy units on our East Coast, the pending and final entry of Japan as a belligerent, and the increase in French inter-colonial tele-communication have, in the past few months, added an ever-increasing volume of W/T intercepts for analysis and study by the Foreign Intelligence Section.

2. This section of the N.S.H.Q. Division of Naval Intelligence has been able to man new strategic stations and provide a working organization on both seaboards.

3. Since the last summary was issued, the following stations have been placed in operation:-

(a) Ottawa, Ont. (Transport station on Naval assignments).
(b) Rivers, Man. (Naval personnel at R.C.A.F. station).
(c) Ucluelet, B.C. (Naval personnel at R.C.A.F. station).
(d) Coal Harbour, B.C. (Naval personnel at R.C.A.F. station).

4. The Canadian stations at present operating are:-

(a) Hartlen Point, N.S.
(b) Harbour Grace, Newfoundland.
(c) Botwood, Newfoundland.
(d) Pennfield Ridge, N.B.
(e) Cap d'Espoir, P.Q.
(f) Montreal, P.Q. (to be discontinued)
(g) Ottawa, Ont.
(h) Rivers, Man.
(i) Esquimalt, B.C.
(j) Ucluelet, B.C.
(k) Coal Harbour, B.C.

5. The following additional stations will be placed in operation on Naval duties in the near future:-

(a) Sydney Airport, N.S. (Naval personnel at R.C.A.F. station).
(b) London, Ont. (Naval personnel at R.C.A.F. station).
(c) Portage La Prairie, Man. (Naval personnel at R.C.A.F. station).

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(d) Prince Albert, Sask. (Naval personnel at R.C.A.F. station).
(e) Churchill, Man. (Proposed R.C.N. station)
(f) Alliford Bay, B.C. (Naval personnel at R.C.A.F. station).

6. The Canadian organization also includes four stations engaged in the study of enemy and potential enemy W/T traffic:-

(a) Forrest, Man.
(b) Strathburn, Ont.
(c) Ottawa, Ont.
(d) Vancouver, B.C.

7. As a result of the recent visit to Washington, D.C., of the Head of the Section, the following basis of co-operation with the U.S.N. has been initiated:-

(a) Exchange of bearings between United States and Canadian H/F D/F stations.

(b) Exchange of position lines, fixes, etc., obtained by D/F analysis.

(c) Exchange of general D/F developments emanating from Research.

8. Owing to the general rapid expansion, the amount of work handled by the duty officers of the F.I.S. has increased tremendously. Several peak periods have occurred. One of particular intensity took place during the recent movement of enemy units towards our East Coast. During the period under survey, the accuracy and speed with which W/T Intelligence has been analyzed and promulgated have proven the efficiency of the methods employed.

9. Enemy transmissions intercepted are studied carefully by officers of the W/T.I. Section. Much valuable information is gained, such as changes of procedure and frequencies, new services and general intelligence, in addition to the location and identification of enemy units.

10. The addition of bearings from American stations is proving helpful in establishing fixes.

11. During the period under review, activity of French and French Colonial stations, which are monitored by our stations, showed a distinct increase. Whereas the weekly average for August of messages of all types intercepted was 43, by November this had risen to 73, with P/L messages slightly more numerous than those in code and cypher.

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12. Since the last quarterly summary was issued, several of the technical developments being undertaken have neared completion and will shortly become operational units. The information they yield will contribute to the accuracy of W/T Intelligence.

13. The F.I. Section, in co-operation with the National Research Council, have under development new equipment for W/T Intelligence work. At least two of these devices are considerably in advance of any known designs and the others are equal to the best developments in England or the U.S.A. A continual study of methods for increasing the efficiency of existing equipment is being carried out, and a second technical officer has been added to aid further in developments.

Far East Intelligence Section

14. This Section was prepared, insofar as possible, for the revision and extension of work of F.I.S. necessary in case of hostilities in the Pacific. Plans previously made for the setting up of a West Coast plotting centre, similar to that in operation at N.S.H.Q., were immediately placed in operation when Japan commenced hostilities.

15. The movements of Japanese commercial ships in the Pacific were plotted on charts, based on a new orthodromic projection.

16. The Head of this section on a visit to the West Coast, made arrangements with the United States Naval Authorities for co-operation in H/F D/F Intelligence pertaining to the Pacific. Arrangements were made with the R.C.A.F. on the West Coast for the placing of three of their D/F Stations on part time Naval duties, the necessary watches being maintained by parties of Naval telegraphists. Canada, therefore, in pooling D/F resources with the United States 13th Naval District, is able to do so on a basis of practical equality. Co-operation in several fields exists with the Radio Branch Staff, Department of Transport, on the Pacific Coast.

17. This section has developed a new and rapid system of training wireless telegraph operators in the reading of the special Japanese Morse Alphabet. This system, now standard in the R.C.N. and in the Department of Transport, has also been released for use by the Army, Air Force, and the Canadian Naval and Military Attaches at Washington.

18. In co-operation with the military authorities, translation of intercepted Japanese commercial and diplomatic signals in P/L was centralized at N.S.H.Q. One representative Canadian Japanese-language newspaper has been read consistently and translations promulgated.

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19. Although no facilities exist at N.S.H.Q. for studying Japanese codes and cyphers, 17 groups of the N.Y.K. code were identified. In addition, two different figure codes used by Japanese merchant ships in reporting their positions or making weather reports, both of them hitherto unknown at N.S.H.Q., were solved and verified by comparison with plotted position of the ships.

20. A file is maintained of persons with a knowledge of Japanese and Chinese, persons whose services might be utilized as language officers, interrogation officers and Naval censors.

GENERAL INTELLIGENCE SECTION

21. The General Intelligence Section, Naval Intelligence Division, was formed on November 7th, 1941 to deal with certain aspects of intelligence including:

(a) Enemy shipping (German, Italian, Japanese, and selected French vessels.)

(b) The intelligence aspects of the Naval Control Service, especially the morale of crews, sabotage, and other security problems.

(c) Intelligence with regard to construction disposition and losses of enemy fleets.

22. For the efficient solution of security problems close liaison is maintained with Royal Canadian Mounted Police, the Departments of Immigration and External Affairs, Chief Postal Censor and Telegraph Censors and security authorities, both in the Royal Canadian Naval Service and in the United States.

23. Translations are made of special information received in German, French, Italian, Spanish and other European languages.

24. The North American Station Intelligence Report is prepared monthly and is distributed to the appropriate authorities. The Weekly Summary for Senior Officers and Memorandum for the Minister are assembled weekly from reports submitted by other branches of the Naval Service and distributed to interested persons.

TRADE SECTION

25. The normal work of the Trade Section has continued as usual during the period under review.

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26. With the closing of Sydney by ice early in January, all trans-Atlantic convoys will have to be assembled at Halifax. So far as can be foreseen, this port is ready for the work and it is hoped that it will be possible to maintain the necessary flow of shipping from Halifax during the winter months.

27. The question of the use of Shelburne as a relief to Halifax as a convoy assembly port has been fully explored. Unfortunately, because of the limitation of draught necessitated by the depth of water in the harbour, and the fact that there are no resources for supplying ships with stores, water, bunkers, etc., it was found that the number of ships which Shelburne could expect to take from each convoy was so small that it would not be worth while attempting to use the port under the present circumstances. The possible use of it is, however, being borne in mind in case some altered circumstances might make its use desirable or necessary.

28. The delays to ships and their various causes at Halifax are being closely watched, and it is hoped there will not be a repetition of the very serious delays which occurred last winter. There appears a possible danger of delays due to ship repairs, caused chiefly by shortage of skilled labour. This has, however, been taken up energetically by the Ministry of War Transport and the Controller of Ship Repairs.

Merchant Seamen

29. It was hoped that by now the Merchant Seamen situation would be on a completely firm basis. While all manning pools are now under the Director of Merchant Seamen and much progress is being made by him in the matter of training merchant seamen, there is yet one more order required by which the Director of Merchant Seamen would be given some control over Allied manning pools established in this country. It is hoped that this order will be passed in the near future.

30. The Naval Boarding Service has continued its excellent work and has been very much assisted recently by the generosity of the public who have provided Christmas comforts, ditty bags, cigarettes, etc., for distribution tothe crews of merchant ships. These comforts are very much appreciated by the merchant seamen.

31. The Merchant Seamen Order has worked very successfully, and is much respected by merchant seamen themselves. This Order has been of the greatest possible value in avoiding delays to shipping through crew troubles, etc. The actual number of men dealt with under the Order has been steadily diminishing ever since its inception.

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MERCANTILE MOVEMENTS SECTION

32. Under the "VESCA" system N.S.H.Q. receives daily reports of merchant ship movements and routeing instructions from all ports in Canada and the United States, and of sailings to Canadian and U.S.A. ports from ports in the various world-wide naval intelligence areas, including the United Kingdom. This information is recorded on ships' card index and disseminated to all interested port and naval authorities. Copies of all signals received and despatched are filed on port files and cross-referenced as necessary. Intelligence Centres in other parts of the world are advised of ships going into their areas and Naval Control Service Officers at individual ports are warned of impending arrivals at their ports to enable them to make prior arrangements for the reception of the ships.

33. The world-wide movements of U.S.A. shipping, including vessels of other nationalities under United States control, are now reported to N.S.H.Q. under the "CHATFOLD" system of reporting for the particular use of the Operations Division of the U.S. Navy Department. These reports are summarized and passed to Washington daily. In addition to the "CHATFOLD" summary, the U.S. Navy Department is supplied with a general daily summary of all shipping sailing for, arriving at and departing from Canadian and U.S.A. ports from and to ports outside the Ottawa area, also all route signals received, Admiralty sailing telegrams, sailing telegrams of eastbound convoys and all other information of ships' movements which would provide Washington with information for a general plot of shipping. All shipping movements are also summarized daily for the information of the Commander-in-Chief, West Indies, the Atlantic and Pacific Coast Commanders, and the Netherlands, Norwegian and Polish shipping authorities.

34. Shipping of all nationalities is now included in the "VESCA" system of reporting movements, with the exception of strictly coastal movements of U.S.A. shipping which are reported only as from one U.S.A. area to another U.S.A. area, namely, Atlantic Coast, Gulf of Mexico and Pacific Coast. The ships' card index (Roneo System) represents more than 17,000 merchant vessels. Each ship's card carries notations of all reported ship's movements, references to all signals received and despatched, as well as pertinent particulars of intelligence concerning ship, mast and crew. This card system is a most useful ready reference in dealing with queries and in reporting and dealing with ships' movements and of ships proceeding for convoy.

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35. The volume of signals received and despatched has greatly increased during the past year. Approximately 190 signals are received each day reporting the movements of 700 ships, while signals despatched represent more than 400 ships.

The Mercantile Movements Section, with a staff of 33 deals with the mechanics of recording and reporting under the "VESCA" system working ten full hours each day, seven days weekly.

36. Close liaison is maintained with the Canadian General Post Office, the Ministry of War Transport's representative in Montreal, and Naval Control Service Officers in Canadian ports for the purpose of providing space in suitable ships for the carrying of mail. An all-time record in the volume of Christmas overseas mails was provided for to the complete satisfaction of the Post Office Department. None was lost by enemy action.

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CONTROL OF MERCHANT SHIPPING

37. The entry of the U.S.A. and Japan into the war has added to the work of the Naval Control Service, especially on the Pacific Coast, but as a result of the preparations which had been made to provide for this contingency no great difficulty has been experienced in coping with the various problems arising.

38. Efficient liaison had been established between the Consular Shipping Advisers and U.S. Port directors in all ports during the past six months and these two groups are working in harmony.

39. Enemy activity in the Pacific and the protective restrictions on entering and leaving U.S. defended ports has had a tendency to slow down the flow of shipping but it is anticipated that this situation will improve.

40. Admiral Sir Charles Little and Paymaster Rear-Admiral Sir Eldon Manisty visited N.S.H.Q. in November and, among other matters, the steps which it appeared desirable to take to link up the Naval Control Service with the U.S. Navy Department were discussed.

41. Security of communications has been considerably improved by the restrictions placed on agents by the Ministry of War Transport as to the use of telephone and en clair telegraph for messages regarding shipping movements and the enforcement of the use of the facilities provided by Naval Control Service Officers and Consular Shipping Advisers for passing such messages in code. Representations made to the authorities in the U.K. have also resulted in greater discretion being exercised in the despatch of messages by agents from that side.

42. Consular Shipping Advisers in the United States have now been instructed to wear uniform and make use of their Naval ranks.

ROUTEING AND CONVOY SECTION

43. This section has continued to operate normally. As was to be expected, the already close watch on the positions of merchant shipping in the North Atlantic has become still more rigid. One consequent development has been the daily furnishing by Admiralty to Washington and Ottawa of their estimate of positions of convoys and independently sailed ships in the Atlantic west of 025° West.

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44. Whilst in some respects inferior to the system hitherto in use at N.S.H.Q. this innovation, besides giving considerably more information than was previously available, became necessary with the further development of operational co-operation between authorities on each side of the Atlantic.

45. With the extension of large scale hostilities to the Pacific, primary responsibility for the control of shipping in that ocean became the concern of the U.S. Navy. Canadian routeing authorities are engaged in adapting the methods heretofore in use to meet U.S. requirements. For their part, the U.S. authorities are making use of the previous experience gained by Canadian N.C.S.O.'s. It is anticipated, however, that several months will be required for the complete transition in all its details.

Numbers Convoyed

46. The following table shows the number of ships in mercantile convoys from the opening of hostilities to date:

Year	Month	Numbers convoyed from Canadian Eastern Ports		
1939	September	63		
	October	98		
	November	161		
	December	213		
1940	January	193		
	February	199		
	March	290		
	April	272		Bermuda
	May	150		156
	June	222		145
	July	314		136
	August	331		118
	September	411		91
	October	326		75
	November	326		50
	December	142		74
1941	January	285		100
	February	197		69
	March	286		39
	April	340		0
	May	272	Nfl'd.	42
	June	429	7	99
	July	369	11	16
	August	591	24	--
	September	525	15	--
	October	396	12	--
	November	445	4	--
X	December	360	5	--
		8,206	78	1,210

X Subject to slight revision in next quarter's report.

Deadweight tonnage carried (excluding Newfoundland and Bermuda); 50,333,500.

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47. Troop Convoys during this quarter included:

T.C. 14: Sailed 9th October for U.K. with 12,588 troops and consisted of "WARWICK CASTLE", "CAPETOWN CASTLE", "ANDES" "AORANGI", "MONARCH OF BERMUDA", "REINA DEL PACIFICO".

T.C. 14A: Sailed Halifax 4th November with 3,600 troops and consisted of "PASTEUR".

"ANATEA": Sailed Esquimalt 28th October with 1779 troops and was escorted to Hong Kong by H.M.C.S. "PRINCE ROBERT". Four Military officers and 105 other ranks embarked in "PRINCE ROBERT".

T.C. 15: Sailed 13th November with 17,673 troops. Consisted of "CHRISTIAAN HUYGENS", "ANDES", "DUCHESS OF ATHOLL", "ORCADES", "ORONSAY", "REINA DEL PACIFICO", "SOBIESKI", "WARWICK CASTLE", "DURBAN CASTLE".

T.C.16: Sailed 14th December with 6,590 troops. Consisted of "CUBA", "LETITIA", "PASTEUR".

48. In addition to these sailings there has been instituted a series of C.T. Convoys, which sail from U.K. with Air Force and Military personnel to Canada. During the last three months approximately 40,000 have been transported in these convoys. Of this number approx. 19,000 were in one convoy, transhipped into six U.S. troopships at Halifax and then proceeded to Far East in one convoy.

49. In addition to C.T. ships, approximately 4,500 personnel have been transported in westbound merchant ships to Canada and approximately 4-500 passengers have been given accommodation in eastbound merchant ships. This personnel consisted of service, government and civilian personnel.

50. A Transportation Section (T.O.N.) was organized 26th September, 1941, to deal with all transportation requirements of personnel at N.S.H.Q. (previously handled by civilian staff). In addition T.O. (N) works in close co-operation with S.O. (I) for handling all Naval and certain civilian ocean passage requirements.

51. Special Convoys primarily for transportation of Naval and Air Force personnel from Canada will be started in the near future: N.A. 1 sailing in January.

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VII - DOCKYARDS

New Ship Construction

1. Destroyers:

Under construction - 4 in England
Ordered - 2 in Canada

2. Corvettes:

Accepted - 49 Flower Class
4 Revised Flower Class

Under construction - 6 Flower Class
6 Revised Flower Class
Ordered -30 Twin Screw
Type 283'

3. Minesweepers:

Accepted - 26 Steam Bangors
1 Diesel Bangor

Under construction - 12 Steam Bangors
9 Diesel Bangors
2 Wooden Type

Ordered - 10 Algerine type

4. Fairmiles:

Accepted - 15

Under construction - 21

5. Motor Torpedo Boats - Contract transferred to B.A.T.M.

6. Smaller Craft:

Fisherman's Reserve Patrol Vessels - 6 accepted.
Harbour Defence Patrol Craft - 10 under construction.
General Utility Harbour Craft - 8 accepted and 17 under construction.

7. Auxiliary Craft:

Wooden Gate Vessels - 2 under construction
Concrete Gate Vessels - 2 accepted.
Base Supply Ships - 2 under construction
Steel Ammunition Lighters - 2 accepted.

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8. Repairs: H.M.C. Dockyards at Halifax and Esquimalt operated at peak capacity during the period under review (October 1st to December 31st). Repairs as required, were carried out to ships of allied Governments, as well as to H.M.C. and H.M. Ships. Repairs were carried out under Naval supervision at various private shipyards on both coasts.

9. Marine Railways: An 80 ton Marine Railway has been completed in H.M.C. Dockyard, Esquimalt. The following Marine Railways are under construction:-

3000	ton	Marine	Railway	at	Halifax, N.S.
3000	"	"	"	"	Shelburne, N.S.
3,000	"	"	"	"	Sydney, N.S.
2000	"	"	"	"	Pictou, N.S.
1400	"	"	"	"	Lunenburg, N.S.
200	"	"	"	"	Gaspe, P.Q.
200	"	"	"	"	Sydney, N.S.
200	"	"	"	"	Shelburne, N.S.

Plans are now being prepared for a 1400 ton Marine Railway at Liverpool, N.S.

10. Floating Dry Dock: A 25,000 ton steel floating dock is under construction at Halifax, which it is anticipated will be completed in February 1942.

WORKS AND BUILDINGS BRANCH

11. The Works and Buildings Directorate, composed of civil personnel, was formed in November, 1940, and is an architectural-engineering organization whose functions are the design and supervision of construction of works and buildings of Naval Service shore establishments in Canada and Newfoundland.

12. The organization consists of a headquarters staff at Ottawa and a field staff located at the East and West coasts of Canada and Newfoundland. The field staffs are established primarily for the supervision and inspection of all construction, but also act as a fact-finding body in close collaboration with the local Navy Command in the study of authorized and recommended projects, for submission to Headquarters and final approval; preparation of plans and specifications; and placing of contracts through the Department of Munitions and Supply.

13. In the past year there has been great expansion of Naval Shore construction, the larger undertakings being the establishment of Naval Bases at Gaspe, Sydney and Shelburne, all of which are

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now under construction with anticipated completion in the coming spring. In addition, there are under construction and in the course of planning, the expansion of facilities at Halifax and Esquimalt Dockyards; eight railway drydocks on the Atlantic Coast, with capacity of from 200 to 3,000 tons; the establishment of bunker and diesel oil and gasoline storage tanks with a total capacity of 190,000 barrels, 12,000 barrels and 270,000 gallons respectively.

14. Provisions for Naval Training are being made by the establishment of a Naval training school at Nelson Barracks, Halifax; the construction of which has been under way since the middle of the year.

15. The preparation of plans for the officers' training establishment, H.M.C.S. Royal Roads is now under way with the expected completion of construction late in the coming summer.

16. The construction of outlying Works and Buildings at both coasts has been active, such as:

Establishment of Boom Defence Fields.
Port War Signal Stations,
H.D.A. Stations,
D.G. Range Stations,
Wireless Telegraph Stations.

17. Plans for the large wireless telegraph receiving and wireless telegraph sending stations to be established at the East and West are now nearing completion and construction will start in the near future.

18. The total cost of Works and Buildings completed during the year and now under construction may be summarized as follows:

Completed -	East Coast	$3,000,000.00
	West Coast	1,150,000.00
	Newfoundland	210,000.00
	Total	$4,360,000.00

Under Construction

East Coast -	Halifax Dockyard	1,160,000.00
	Nelson Barracks	3,780,000.00
	Halifax Vicinity	875,000.00
	Shelburne Base	1,270,000.00
	Sydney Base	3,950,000.00
	Gaspe Base	570,000.00
	St. John's Nfld.	3,200,000.00
Esquimalt and West Coast	Generally	525,000.00
	Total	$15,330,000.00

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The above figures of the work under construction include railway drydocks and bunker oil tank installations.

19. Plans are now in preparation for work estimated to cost as follows:-

East Coast	$1,600,000.00
West Coast	700,000.00
Total	$2,300,000.00

20. In addition to the above, investigation and study is being made for the development of other projects such as:-

Halifax Dockyard,
Auxiliary Vessel Base, Dartmouth,
Direction Finding Stations,
St. John, N.B. Base,
Requirements of King's College,
Nelson Barracks - Additional Requirements,
Graving Dock, Tuft's Cove,
Botwood, Newfoundland,
R.C.N.V.R. Establishments,
Underground Magazines,
Esquimalt Barracks.

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VIII - SUPPLY

Naval Stores and Fuel

1. Supplies of fuel oil for ships and auxiliary vessels based on Halifax, Sydney, Gaspe, Montreal and Quebec were arranged for the fiscal year 1941-42 through contracts and negotiations with the Imperial Oil Limited and other companies.

2. Contracts for bunker coal at Halifax, Sydney, Saint John, Esquimalt and other ports of call on the Eastern and Western Coasts were also arranged in this manner for the same period.

3. At Gaspe, steps were taken to maintain supplies of high octane rating gasoline to cope with movements of high speed naval vessels. The 6,000 bbl. Diesel fuel oil tank at this same base was completed during the year and filled.

4. At Sydney, the rented 25,000 bbl. fuel oil tank was filled.

5. A contract was placed for the erection of a 35,000 bbl. tank at Shelburne, N.S.

6. Supplies of fuel oil at Esquimalt and Prince Rupert are being kept up through contracts arranged by the Department of Munitions and Supply.

7. Suitable sites for erection of naval fuel oil tanks at Sydney, Dartmouth, N.S. and McNabs Island, Halifax, were selected and the work commenced.

8. Arrangements were made to provide spares for the various types of echo sounding equipments in R.C.N. ships.

9. A large quantity of wireless equipment (transmitters, receivers, etc.) has been ordered and a large proportion received and installed. Standard sets have been devised and will be fitted in all ships of new construction. Spares for the various sets were and/or are being provided for delivery to Halifax - Esquimalt Dockyards.

10. Three powerful transmitters are on order to supplement the present instruments in the Naval shore establishments at Halifax, Ottawa and Esquimalt.

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11. Auxiliary bases and outports have been established at Sydney, Gaspe, Quebec, Montreal, Saint John and Shelburne, and the provision of stores to these points for issue to various auxiliary vessels under these commands is in hand.

12. Action has been initiated towards the formation of pools of service pulling and sailing boats at Saint John's, Nfld., and Halifax.

13. Procurement has been arranged for first fitting and base stores for Fairmiles. Also first fitting stores for 105-foot towing vessels and R.N. 105-foot minesweepers.

14. Special reserves of boiler and condenser tubes, brass and copper tubing, bars, sheets, bolts and nuts have and/or are being arranged.

15. Provision has been made to supply large fire-fighting units with accessories to Halifax and Esquimalt Dockyards.

16. In order to eliminate as far as possible difficulties in procurement of certain essential stores, material and equipment, requisitions have been placed with the Department of Munitions and Supply to cover anticipated requirements over periods of 12 and 18 months.

17. Action has been taken towards procurement of galley and bakery equipment for the temporary Naval Hospital at Halifax and for the new Barracks at St. John's, Nfld.

18. Action has been taken through the Department of Munitions and Supply to establish sources of supply of improved life-saving equipment and appliances. The matter of supply is well in hand and definite recommendations with firm requisitions will shortly be placed.

Victualling Stores

19. The increase in personnel to about 12 times the original pre-war complement of the Naval Service has involved a corresponding Development in the work of providing stocks of clothing, provisions and mess traps.

20. The inauguration of new training centres for officers and men, for the former at Royal Roads on the West Coast, and for the latter at St. Hyacinthe, P.Q.; the development of St. John's, Newfoundland as a base for escort vessels;

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and the opening up of Iceland for a similar purpose, as well as the influx of recruits to establishments already existing, has involved much additional work in obtaining and issuing stores and supply work in general connected with the Victualling Stores Division.

21. Assistance has been rendered to ships of the Royal Navy and vessels of allied nations in procuring supplies of provisions and clothing, and, in addition, the base at Bermuda has been supplied with dry provisions, etc.

22. The increasing demands for warm and protective clothing during the winter months has absorbed large stocks of these articles. Due to the growing shortage in raw materials required in their manufacture, the work of obtaining supplies has been rendered correspondingly difficult.

23. Contracts for the supply of fresh provisions (meat and vegetables, etc.) exist at all important centres, on both coasts and inland, to meet the requirements of the service.

24. In addition to the foregoing contracts, stocks of dry provisions of all descriptions have been provided to meet the increasing demands of the service.

25. Obtaining supplies of mess traps to satisfy requirements and meet replacements of a large number and variety of articles has been a problem of some concern, due to the urgent,demand for steel and other metals in the manufacture of fighting equipment. Crockery and earthenware, formerly obtainable from overseas in adequate quantities, have had to be procured in large measure from the few available sources in Canada, sources which are already overtaxed as regards capacity.

26. Storage space for the large quantity of stores and material required has necessitated considerable expansion in this respect, but it is anticipated that further extension may become necessary.

27. The value of the estimates for victualling stores approximately $8,000,000 conveys practical evidence of the work involved in the Victualling Division. This figure represents an increase of about 20% on the entire pre-war Naval Vote.

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II - NAVAL ARMAMENT

1. Supply of ammunition for guns 3-inch and upwards improved during the last quarter over previous deliveries, and stocks of these calibres are gradually becoming more satisfactory. Sufficient super charges for 6-inch guns have been received to outfit two auxiliary cruisers. Further progress has been made with a view to establishing a source of supply of 4.7" and 4" ammunition in Canada, but the problem of obtaining the proper propellant is still a handicap. An order for Q.F. 2-pdr. ammunition, for use in the guns now being manufactured for Corvettes and minesweepers, is being placed in the United States, in conjunction with Admiralty orders.

2. Small arm ammunition requirements are being met from arsenals production and the situation in respect to delivery is considered satisfactory. Colt .5" ammunition supplies from the United States have been maintained, but the percentages of armour piercing and tracer types are relatively low. Prospects of Canadian manufacture of both Colt and Vickers .5" ammunition are some nine months off, due to machinery and tooling problems. Some progress in this is being made. Consideration is also being given to the establishment of Canadian production of Oerlikon ammunition.

3. The first order of 4,000 Canadian made and filled depth charges will soon be completed, and a further order has been placed to provide replacement for expenditure. Both Mk.VII and Mk.IX pistols are being manufactured, as are the necessary ballast weights for heavy charges.

4. Orders are now being placed for the "Y" gun type of depth charge thrower for mounting on Fairmiles. These will be manufactured to the latest approved design, as accepted by the Admiralty.

5. Orders placed overseas for B.L. 4-inch guns for corvettes and Q.F. 3-inch 20-cwt. and 12-pounder guns for Bangor minesweepers are practically filled. To conform to conditions in respect to supply, the number of Q.F. 3-inch guns to be mounted was limited to 16, and to complete the remaining requirements 10 Q.F. 12-pdr. guns and mountings, of Canadian manufacture, will be provided for this number of minesweepers.

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6. The original order for 250 twin units .5-inch Colt have been delivered and are practically all mounted. Orders are now being placed for .5-inch Vickers twin units, of Canadian manufacture, also for Oerlikon 20 m/m A.A. guns for destroyers, corvettes and minesweepers. These are only obtainable at present from the United States, but the manufacture in Canada is receiving serious consideration.

7. Torpedoes 18" and 21" for motor torpedo boats taken over for the Royal Navy have been prepared and are now in the process of being shipped to accompany the M.T.B.'s to their base.

8. Torpedoes 21" Mk.II are in process of delivery from overseas for the Town Class destroyers and American torpedoes are being sent to the United Kingdom in exchange. No american torpedoes will be in use on the completion of this exchange.

9. One hundred and fifty Bren guns, from those manufactured in Canada, have been supplied for destroyers and the Naval Barracks at Halifax and Esquimalt. Two thousand sets of 1937 web equipment have been obtained and supplied to the same shore establishments, with steel helmets. The web equipment is similar in pattern to that provided by the Army. Thus, the personnel in these establishments are equipped in these particulars for land service.

10. Twenty thousand sets of anti-gas respirators have been obtained for issue to new ratings and to complete personnel in this essential.

11. The armament for corvettes, minesweepers, Fairmiles and other armed Naval vessels has been supplied and installed as the ships were commissioned. Many improvements have been made as the result of experience in equipping the ships. Everything possible has been done to increase the efficiency of the equipment.

12. D.E.M.S. anti-aircraft training equipment from U.K. and Canadian sources has commenced to come forward. Admiralty dome teachers, however, have been considerably delayed, and it appears they will not be delivered before March, 1942.

13. Some fire control equipment has been delivered from Canadian production, but orders on U.K. for equipment for gunnery schools are not coming forward and the Admiralty appear unable to supply suitable equipment for R.C.N. auxiliary cruisers. Suitable R.D.F. fire control sets for Auxiliary cruisers will not be in production before May - June, 1942, which is the approximate date on which Admiralty could supply similar sets.

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14. The main construction project in the magazine area, Halifax, after many delays, is nearing completion. The new magazine jetty is progressing favourably, as are two other buildings, contracts for which were let this autumn.

15. Storage accommodation in the Armament Depot, Halifax, is totally inadequate. Construction of the permanent gun mounting store, for which funds were placed in the 1941-42 estimates, has not commenced, nor has work on a further temporary ordnance storage building, also urgently required.

16. Accommodation in the Naval Armament Depot, including magazine area at Esquimalt, is more satisfactory than at Halifax, but further buildings are required in the magazine area. An inland magazine area on the mainland will be required at the latest in 1943.

17. Estimates and proposed layout of the contemplated inland magazine area in New Brunswick are well in hand and it will be necessary to commence this permanent proposition at an early date. The Halifax magazines, despite the large increase provided over the past two years, are again filled almost to capacity, and Esquimalt will be in a similar situation during the coming year. Large deliveries of ammunition are anticipated during 1942.

18. Armament depot and underground magazine construction is in hand in St. Johns, Newfoundland, and is progressing as favourably as can be expected. Accommodation and facilities for armament work are naturally unsatisfactory and will continue to be until the depot is completed.

19. The personnel of the Naval Armament Service has been increased by about 20 percent during 1941, but this new personnel was in most cases untrained. Endeavours were made to obtain personnel with some armament training, to relieve the strain on the senior qualified personnel, but with little success. A number of civilians in various categories are being entered for training in both Halifax and Esquimalt to fill vacancies and provide personnel for St. Johns and future magazine establishments. The apprentice system was extended to the ordnance and torpedo depots during the year.

MERCANTILE DEFENSIVE EQUIPMENT

D.E.M.S. Inspections

20. D.E.M.S. inspections have been carried out in ports throughout Canada as follows:

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Halifax	3517
Sydney	1015
Saint John	363
Montreal	594
Quebec	80
Esquimalt	114

The total of 5683 represents an increase of 38% over 1940.

Low Angle Armament

21. During the last quarter of 1941 guns were provided to the following vessels:

Name of Ship	Registry	Where Armed	Armament
Hoegh Giant	Norwegian	Halifax	3" Gun
Toronto	"	Halifax	"
Algonquin	British	"	"
Santos	Norwegian	"	"
Winnipeg	British	"	"
Spyros	Greek	"	"
Fenja	British	"	"
Aust	Norwegian	"	"
A.W. Sewall	"	"	"
Tank Express	"	"	"
Toledo	"	"	"
Trondheim	"	"	"
K.G. Meldahl	"	"	"
Montevideo	"	"	"
Hamlet	"	"	"
Dekabrist	U.S.S.R.	"	"
Buenos Aires	Norwegian	"	"
Fagerfjell	"	"	"
Fernwood	"	"	"
Athos	"	"	"
Empire Planet	British	"	"
John W. MacKay	"	"	4" Gun

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Name of Ship	Registry	Where Armed	Armament
Pan Aruba	Norwegian	Halifax	4" Gun
Emma Alexander	British	"	" & 12 Pdr. H.A.
Montrolite	Canadian	"	4" Gun
Nyholt	Norwegian	"	"
Pan Norway	"	"	"
Turret Cape	Canadian	Montreal	3" Gun
Jan	Norwegian	"	"
Mosdale	"	"	"
San Andres	"	"	"
Marianne	"	"	"
Limoges	Canadian	"	4" Gun
Petter II	Norwegian	Sydney	3" Gun
Barfonn	"	"	"
Frances Dawson	British	"	"
Stamos	Greek	"	"
Fjordaas	Norwegian	"	"
Rio Nova	"	"	"
Atlantic	"	"	"
Ingrid	"	Sydney	"
Far	"	"	"
Nidardal	"	"	"
Nellie	Greek	"	"
Rio Branco	Norwegian	"	"
Aikaterini T	Greek	"	"
Skottland	Norwegian	Quebec	"
Dalwarnic	Canadian	"	"
Arica	British	"	"
Canatco	Canadian	"	"
Villanger	Norwegian	Esquimalt	4" Gun
Elin K	"	"	"

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Name of Ship	Registry	Where Armed	Armament
Romulus	Norwegian	Esquimalt	4" Gun
Princess Kathleen	British	"	"
Princess Marguerite	British	"	"
Brimanger	Norwegian	"	"
Marie Bakke	"	"	"
Lowlander	British	"	"
Bronxville	Norwegian	"	"

22. During the year 1941 guns were supplied to 169 vessels compared with 62 in 1940. The ports in which arming was carried out, giving the number at each is as follows:

Halifax	125
Esquimalt	10
Montreal	10
Sydney	18
St. John, N.B.	2
Quebec	4

23 The 169 vessels armed comprise the following nationalities:-

	Number of guns
Canadian	7
British	42
Norwegian	102
Netherlands	11
Greek	4
Belgian	1
Free French	1
U.S.S.R.	1

24. The majority of the guns issued were quick firing obtained from the U.S.A. Gun trials were carried out wherever practical, the

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chief number being at Halifax at which port 159 were successfully conducted.

25. Military A.A. Gunners: The shuttle service which commenced early in the year has been operating very satisfactorily and has been instrumental in meeting a shortage of A.A. equipment. Two men with Lewis or Hotchkiss guns have been supplied to each British and Allied ship in which the necessity arises. The pool has been maintained at Halifax and to a lesser extent at Sydney. This service has fulfilled a great need in providing guns with trained men, and in many cases, has been instrumental in preventing crew trouble and having the ship sail.

Anti-Aircraft Machine Guns

26. With the exception of the equipment mentioned above, there has been a definite shortage of machine guns throughout the year. The only machine guns available until recently have been .303 Colts, but the shields and mountings have been obtained with difficulty.

27. Recently .5 Calibre Twin Colt equipments have been received, and there is an indication that the supply will increase. Twin .30 Marlin equipments have also commenced to arrive from England in small quantities.

28. It is the intention at the present time as weapons become available to mount the following A.A. equipment in each ship:-

2 Oerlikons
2 Twin .5 equipments
2 .303 machine guns

The Oerlikon guns will be mounted on each wing of the bridge.

29. U.P. Rockets It is further proposed to supplement A.A. defence with the provision of U.P. rockets, fired from multiple projectors. Positions of mounting will be in the H.A. 12 Pdr. position when no gun is available and on the port and starboard abaft the bridge.

30. Plastic Armour: Facilites for the manufacture have now been established on the West Coast, Montreal and Quebec, but are still in the course of organization on the east coast. All the necessary materials for the manufacture are obtainable in Canada, and tests conducted from time to time demonstrates its effectiveness. Difficulty has been experienced in obtaining steel for backing plates, but plywood is being successfully substituted.

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31. New Construction: D.E.M.S. officers at ports where merchant vessels are building are co-operating with the Wartime Merchant Shipping Limited. It is understood that the Naval Service is not responsible for the procurement of defensive weapons and materials but are concerned only in the correct positioning and installation.

C.A.M. Ships

32. The servicing of these ships commenced about the middle of June when an officer arrived from the Admiralty to advise in this regard. Since that time supervision has been carried out by an R.C.N.V.R. officer, and 74 ships have been handled with only two minor accidents in loading. Such accidents are due to the use of floating cranes and movement caused by ground swell.

33. Whenever conditions permit aircraft are catapulted at sea on approach to Halifax, and this eliminates considerable handling with possible breakage.

34. Servicing of aircraft has been carried out at Dartmouth by the R.C.A.F. who have co-operated very fully in this regard, but latterly an R.A.F. officer has been sent out from England solely for this purpose.

35. Imperial Gunlayer Pool: This pool was recently established in Halifax for the purpose of supplying gunlayers and seamen gunners to merchant ships of new construction both in Canada and the U.S.A. and to other British and Allied ships. The supply to the U.S.A. has been regulated in conjunction with the D.E.M.S. officer, New York. Replenishment of the pool is made from England at regular intervals.

36. Forms, etc. D.E.M.S. forms, pamphlets and supplements have been supplied whenever required. Silhouettes of aircraft and instruction cards appropriate to the various items of D.E.M.S. equipment are issued to all vessels requiring them.

37. D.E.M.S. Stores: Stores during the year have been well maintained and in most instances requirements of the vessels have been met in this regard.

38. General Efficiency: A considerable improvement has been made during the year in regard to quantity and quality of D.E.M.S. equipment over 1940, and this has had a beneficial effect on the morale of the ships' crews. Indications are at present that a still further improvement will be brought about in 1942.

-vVv-

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THE WHOLE OF THIS SECTION IS TO BE REGARDED AS SECRET

X - TECHNICAL DEVELOPMENT

Magnetic Minesweeping

1. All the components, including Venner clock switches, for "LL" sweeps in the Bangor class minesweepers have been ordered. The Venner switches have already arrived from England. The delivery date for the turbo-generators has been put back, and the first units are not now expected until sometime in January. Structural alterations and additions have been made in the ships as far as possible.

2. There have been some difficulties to be overcome in the manufacture of buoyant cable, but shipments of complete tails are now being made.

3. The four whalecatchers with Mark III "LL" sweeps have been in operation since the middle of the year. Crews are gaining experience in maintenance of the gear as well as in handling the tails and in station keeping. Operating experience has shown the need for a number of minor changes and improvements, some of which have been made and some of which are receiving further study. The electronic type of Master and Slave gear has not proved to be an unqualified success as yet, although it seems probable that it can eventually be made so.

4. The hulls of the two 105 ft. wooden minesweepers have been completed. The main engines have been installed, and the ships have been hauled out of the water for the winter. The engines and generators for operating the "LL" sweeps are not due for delivery until the end of February or early in March. The installation of the "LL" equipment in these two ships will be carried out by the N.R.C. The gear is similar to that which N.R.C. installed in the whalecatchers, and was manufactured at the same time. It seems wise that N.R.C. should complete the installation of this type.

5. The operation of "LL" sweeps has so far been confined to Halifax and Sydney, N.S., two ships at each port.

6. It has been found that the sweep has a pronounced effect on the submarine telegraph cables, and that, to some extent, a record of the operation of the sweep appears on the cable ribbon. This matter is receiving extensive

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study in Canada and U.S.A. and the findings to date have also been reported to Admiralty.

Acoustic Minesweeping

7. There is considerable delay over the manufacture of parts for the first two hammer boxes for S.A. gear, Type "A".

8. Two sets of oscillator gear (S.A. type "C") have been handed over by B.A.T.M. and they are being fitted in Bangor class minesweepers "Drummondville" and "Swift Current".

9. In order to obtain acoustic measurements, two microphones have been installed on the bottom on either side of No. 5 coil on the deep D.G. range at Halifax. One of these microphones is electromagnetic, but the other is a high grade crystal instrument which has been carefully calibrated. Amplifying and recording gear has been installed in the D.G. range hut, but at present this part of the equipment is not of the same standard of excellence as the microphone. A considerable number of sound records of ships have been made.

10. Early in November a Netherlands trawler, which was equipped with a British made hammer box, put into Halifax. This ship was passed over the acoustic range, and has given records which will form a basis of comparison for other acoustic sweeps of Canadian manufacture.

11. A considerable amount of work has been done with the "Double Pipe" sweep. This device was originated in the U.S.A. The double pipe sweep must be towed at a speed above some critical minimum before it will function. There has been a feeling on the part of some men in the U.S. Navy that this sweep will meet all requirements. Officers from the R.N. who have visited N.S.H.Q. within the last few weeks, and who have had extensive experience of acoustic minesweeping, are unanimous in their opinion that the device can never be more than an emergency affair. These officers all stress the point that the acoustic sweep must operate independently of the movement and speed of the ship.

12. The addition of the acoustic recording equipment makes the range hut very crowded, and a proposal has been made to enlarge it.

Minesweeping General

13. The enemy periodically introduces new mines and mining devices, and in consequence minesweeping ideas and programmes must be revised from time to time. Because of the comparatively small areas of shallow water around

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Canada's coasts, the minelaying possibilities in Canadian waters are not the same as in U.K. waters. Admiralty Minesweeping Memoranda and other documents of like nature are reproduced and distributed to a limited number of officers. These reports are of great value from the operational as well as the technical viewpoint.

14. A number of coil skids were made early in the year for use against magnetic mines. Vessels equipped to tow these coil skids have been fitted out, but they are also arranged to be suitable for other duties. "ROSS NORMAN", based on Halifax, is used as a mobile deperming unit. "STANDARD COASTER" and "REO II" are for use as general harbour craft at Sydney and St. John's, Nfld.

15. To date no active work has been done on the West Coast in magnetic and acoustic minesweeping, but a small amount of training in Oropesa sweeping has been carried out.

Controlled Minesweeping

16. The Controlled Minefield at Halifax has been manned continuously since the latter part of June. A certain amount of recurring maintenance work has to be done, chiefly in the matter of cable jointing and repairing. Spare mines and mine components have been sent from England. Submarine and shore cables have been made in Canada with complete success. A few mine components and some special tools have been made in Canada when it seemed advantageous to do so.

17. At present the R.C.N. has only one ship equipped to lay and handle controlled minefields. The building of another ship has been under discussion, but nothing definite has been decided.

Controlled Floodlighting

18. Experimental work in connection with controlled floodlighting of ships has been discontinued in Canada, but it is still being carried on in U.S.A. The experiments and trials carried out at Halifax in September showed that the idea is quite practicable. It is now a matter of determining the tactical value and method of application of the principle.

Chemical Warfare

19. The Interservice Advisory Board on Chemical Warfare has been established under an Order-in-Council. Development work is being done at the National Research Council, at the Experimental Field, Suffield, Alta., and in a

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number of universities and industrial plants. So far any training in R.C.N. has been almost entirely defensive, but it is realised that it is not enough to consider defensive measure, it is necessary to prepare for vigorous attack. Now that the Directorate of Chemical Warfare has been set up, the way has been opened to start building up a staff of officers and men properly trained in this form of warfare.

20. The Experimental Field at Suffield is at present being operated by Military personnel, with a civil superintendent and civilian scientists. The work is financed jointly and in equal proportions by Canada and U.K. Canada's share of the cost is provided from Army and Air Force appropriations only.

21. The Field has been asked to undertake a number of low temperature investigations by the U.K. authorities, and although the completion of the buildings and equipment has been delayed owing to the difficulty of getting materials, every effort will be made to work on these projects during the present winter. The Experimental Field and the various laboratories are doing development work, but in addition to this, arrangements are being made for the study of operational and tactical work, and the training of personnel therein.

Metallurgical Laboratory

22. A considerable number of metallurgical physical tests and chemical analyses have been made for the Department, and these have been of great value. It is impossible to speak too highly of the cooperation shown at all times by the laboratory staff.

ANTI-SUBMARINE

Personnel

23. Officers: At present 56 officers are directly associated with the work of the A/S Branch, not including officers at sea. A statement of the numbers engaged in various activities as of January, 1941, the number recruited during the year, and the present number is given to illustrate the expansion of the department.

	Jan.1941	Added	Dec.1941
Headquarters	1	2	3
Equipment Division			
Production	9	8	17
Installation	6	9	15
A/S Schools			
Halifax	3	2	5
Esquimalt	2	2	4

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Maintenance	3	5	8
H.D.A. and Loops	2	1	3
Research	-	1	1
Total	31	25	56

In addition, a number of requests for the transfer of officers have been received from other branches and these have been acceded to.

24. E.A. Personnel: As of January, 1941, there were 13 E.A's directly attached to the branch. At the present time there are 30.

25. Ratings: As of January, 1941, and December, 1941, trained ratings in the Branch were as detailed:

	Jan. 1941	Dec. 1941
S.D.I.	1	5
H.S.D.	22	84
S.D.	247	488
Total	269	576

Ships Fitted

26. During the year ships were fitted with A/S sets as follows:

Ship	Set	Number
Corvettes	123A	45 + 10 R.N.
Minesweepers	128	26
Fairmiles	134A	13
Gate Vessels	135	6

Total vessels now fitted, and in service, excluding losses, are as follows:-

Destroyers	13	
Corvettes	65	
Minesweepers	26	
Fairmiles	9	(4 laid up)

Training Facilities

27. During the year the Halifax A/S school was rearranged on a temporary basis and a considerable quantity of instructional

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equipment was secured and installed. Plans were drawn up for a new and enlarged A/S school - construction of which is under way. Plans for the rearrangement of instructional apparatus upon completion of the new school are prepared.

28. Additional instructional gear was also secured for the Esquimalt A/S school.

29. Plans for the doubling of the size of the Esquimalt A/S school were decided upon in consultation with S.C.L., and suitable arrangements were made for the rearrangement of instructional apparatus.

30. Two mobile training units were sent from England, and are now employed to great advantage, one in Halifax and the other in St. John's, Nfld., in training and retraining ships' companies.

31. Training equipment at present in service is as follows, items starred having been added during the year:

Location	Attack Teachers (123A)	(124:128)	Mass Procedure Teachers (124:128)	Mobile Training Units	Ships S/M Corv.
Halifax	1 + 1*	1*	1*	1*	1* Occasionally
Saint John				1*	
Esquimalt	1*		1*		

	Demonstration Sets 123A	128	134A	E/S	Phonographs etc.
Halifax	1*	1*	1*	1*	1*
Saint John					
Esquimalt	1*	1*	1*	1*	1*

32. Early in the year a submarine of the R.N.N. (015) was provided for co-operation with H.M.C. A/S School Halifax, and was in very extensive use for practice purposes.

Training Plans

33. Early in the year it became evident that it would be of advantage to provide preliminary training for the new entry ratings so as to facilitate the work of the A/S school.

Arrangements were therefore made with the University of Toronto to undertake the preliminary

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training of ratings, and a curriculum was drawn up, in consultation with the University staff, to cover a 12-week course. To date three classes, totalling 160, have passed through this training. A fourth class of 75 is under way, and the fifth and sixth classes are scheduled. It is now considered that the new entry standard set was unnecessarily high and that the requirements of the curriculum employed are too theoretical. A revised curriculum, representing more practical work and less theory, is being prepared.

34. As noted above, the regular training activities of the A/S schools have produced technically trained personnel at a high and sustained rate. The securing of additional training gear permits the acceleration of output, and complete plans are now drawn up to control the activities of both Halifax and Esquimalt A/S schools for 1942. These plans provide for the increase of trained personnel during 1942 as follows:

	Dec. 1941	Dec. 1942
S.D.I.	5	12
H.S.D.	78	235
S.D.	480	958

Fixed Defence Stations

35. During the year work on the Halifax H.D.A. and loop station went forward, and this station was completed and placed in operation in October.

36. Buildings for the Sydney H.D.A. Station were completed, and it is proposed to put the sea unit down and place the station in operation as early as possible in the spring.

37. Efforts were made to secure American built Sono Buoys for installation at Botwood. Supply is not yet available owing to the fact the early design proved unsatisfactory, but it is expected that this installation will be made early in 1942. Botwood H.D.A. equipment is on hand and will also be installed in the spring. An attendance vessel is also available.

Equipment Division

38. The Equipment Division continued during the year to procure and supply equipment to R.N., R.C.N., R.N.N. and U.S.N. A condensed summary reflecting procurement and disposal of the complete Programme "A" and "B" is given below. In addition to the output represented in this statement, large quantities of spare parts and spare components were produced, and a number of specialties associated with A/S work were procured and supplied.

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39. Plans for the production of gear included in Programme "C", which is associated with the 1942 ship-building programme, have been set up, and this material will begin to be supplied in June, 1942.

Miscellaneous

40. During the year Headquarters and other A/S personnel gave attention to a number of developments in new gear, notably the "F. Q. Device" and a short range apparatus now under development at University of Toronto. Collaboration with the U.S.N. in respect of new developments was engaged in.

41. A/S equipment manufactured and in process of manufacture by the Equipment Division since its inception is as follows:-

Consumer	Programme	Type of Set 123A	128	134A	128C	128A
R.C.N.	A	63	52	50		
	B	12			12	
	C				24	
R.N.	A	47	32	21		
	B	52				104
	C	52			104	
R.N.N.				9		

42. The production represented in the above tabulation has a value of approximately $11,000,000.00.

43. Type 128C sets now on order will be installed in the T. S. corvettes, Algerine minesweepers and the Tribal destroyers.

R. D. F.

Production

44. R.D.F. equipment for Naval requirements was designed in Canada by the National Research Council and manufactured at the factory of the Research Enterprises Limited, Leaside, Ontario, near Toronto. Accessory equipment is being manufactured and supplied by the Electric Tamper Company, Canadian Liquid Air Company, the Ajax Engineering Company. Research Enterprises Limited have subcontracted production items to other radio manufacturers in

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Ontario. R.C.N. R.D.F. officers assisted the final design to suit Naval requirements and carried out the sea trials.

45. This Canadian R.D.F. set, now being fitted in all R.C.N. corvettes and minesweepers, is known as the type SW-IC and provides for the determination of bearings within plus or minus five degrees, and ranges on targets up to 20 miles, with an accuracy on the longer ranges of plus or minus 400 yards, and plus or minus 200 yards for short ranges up to five miles.

46. Briefly, the standard SW-IC R.D.F. comprises the transmitter proper, a receiver, and a Cathode Ray tube indicator. The transmitting and receiving antenna is constructed of copper tubing mounted at the top of a steel tube which in turn is secured to the mast in guide bearings. The steel tube mounted vertically on the mast is rotated by horizontal steel shaft and connected to a sprocket and chain gear, in turn rotated with a hand-wheel mounted on a bench in the R.D.F. office.

47. While supply has been very poor until recently, 13 sets having been supplied in as many weeks, the position has much improved and it is confidently expected that an average of six per week will be maintained. Two hundred sets are on order for the R.C.N.

48. Arrangements are near completion for fitting R.D.F. in new building ships. This step will relieve pressure at Halifax.

49. As at December 20th, 1941, 15 corvettes are fitted with a Canadian type SW-IC of earlier experimental sets; one corvette with British type 271; three auxiliary cruisers with Canadian type SW-IC; and 13 destroyers with British type 286. Additionally, a considerable amount of R.D.F. fitting work has been carried out on 12 other corvettes. No minesweepers have as yet been fitted, but arrangements to this end are actively in progress. Fitting should begin in approximately four weeks.

50. Information on performance of the type SW-IC in the Atlantic is limited. There is no indication that any major changes in the design will be required. The failures have been low.

51. Development of new R.D.F. devices for the R.C.N., comprising in part improvements on the present equipment and the design of radically new apparatus, is making good progress.

52. To gain the advantage of design experience in R.D.F., and in order that sea-going requirements be continually in mind,

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a Naval experimental group has been formed and is now operating in quarters at the N.R.C. field station. Though this group has been active for less than two months the advantages are already evident.

53. Included in the work being carried out at N.R.C. for the benefit of the R.C.N. are the following projects:

(a) Means of avoiding adverse effects of ice on the SW-IC rotating mechanism.

(b) Modifications to the SW-IC frequency so as to improve co-ordination with the Admiralty, particularly with respect to R.D.F. beacons.

(c) Improvement in the antenna system. This has already resulted in a gain of 40% in the over-all efficiency.

(d) Development of a device to prevent interference by R.D.F. to ships communication receivers. This work is nearing completion.

(e) Development of a flexible drive for the rotator to increase the adaptability of the type SW-IC to other classes of ships. Good progress has been made.

(f) Design of R.D.F. beacons for our harbours. This nears completion.

(g) Development of an all Canadian 10 Cm. R.D.F. Rapid progress is being made.

(h) Development of an antenna having the required characteristics to be used with the Wide band Panoramic receiver, P2 and P3. This nears completion.

54. In view of the obvious attention which the enemy would give to R.D.F., a receiver has been designed to intercept enemy R.D.F. transmissions and to make use of them to determine the bearing of the enemy vessel. This receiver is designated "Panoramic receiver P2". H.M.C.S. "BRANDON" has been fitted, and made use of the receiver on a voyage to Scotland. The design combines the work of N.R.C., Canadian Marconi Company, and Dr. Wallace, of New York. Because of the importance attached here to interception of enemy R.D.F. and consequent advantage to be taken of the interception, the Admiralty was invited to examine the Panoramic receiver installed in H.M.C.S. "BRANDON".

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General

55. H.Q. R.D.F. branch collaborates with U.S. Navy "Radar" Branch. One result is the adoption (in principle) of their 10 Cm. instrument as the R.C.N. standard, thus making use of all the development work being carried on in research laboratories associated with the U.S. Navy, and taking full benefit from their experience. Additional major advantages accrue from a common production programme. Research Enterprises Limited retain very close contact with the American manufacturers and the Office of Production Management in Washington paralleling the U.S. manufacturers' efforts and so co-ordinating the whole production programme, all of which will benefit the R.C.N. in providing our ships with the best possible R.D.F. for the special services in which each of our class of ships is employed.

56. To keep in close touch with R.N. R.D.F. design every opportunity is taken to study Admiralty types installed in ships whenever R.N. ships are in port long enough for arrangements to be made. Particular attention has been given to the type 271 10 Cm. R.D.F., as this is the first practical sea-going 10 Cm. set to be used operationally.

57. Arrangements have been made to produce 50 SWICs to be held in reserve for the British Admiralty Technical Mission.

58. Three experimental Canadian R.D.F. sets were supplied by the National Research Council for fitting in R.N. armed merchant cruisers under refit in the United States. These sets were of an early type, since made obsolete by the SW-IC. One type SW-IC was supplied to B.A.R.M. for fitting in H.M.S. "CALIFORNIA". The work was completed by R.C.N. staff at Halifax.

59. At St. John's, Newfoundland, a Canadian R.D.F. fitting officer with maintenance staff has been established. R.C.N. ships in the Newfoundland Escort Force are thereby assured of adequate R.D.F. maintenance. It has not been found possible to fit ships at Newfoundland because of the limited facilities available.

60. The R.C.N. has two Headquarters officers as its representatives on the Inter-services R.D.F. Committee. This Committee co-ordinates design and production requirements for the three Military Services in Canada. Meetings are held at the N.R.C. at least once monthly, special meetings being called whenever urgent business is to be transacted. That this Committee has carried out its intended functions is evidenced by the minutes, which show the wide variety of subjects referred to the Committee for action.

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61. Plans have been laid for the production at R.E.L. of the new R.D.F. identification device to be fitted to every ship, aircraft or coast station employing R.D.F. This is one of the more important items common to all three Services which is being handled through Interservices Committee.

62. A coastal defence R.D.F. station has been built and the equipment installed at Duncan's Cove near Halifax. This is the largest fixed R.D.F. station in Canada. It is capable of determining the accurate range and bearing of any ship within 20 miles, and aircraft up to 90 miles. Tests are now nearing completion, following which the station will be handed over to the R.C.N. for operation. Under review is the possibility of turning the station over to the Army to take care of their defence commitments.

63. A survey has been made in the establishment of a building at Gaspe in which is to be installed a low power coastal R.D.F. to detect the passage of ships in the harbour approaches. Plans for the installation of similar equipment at Shelburne, Sydney, and St. John, N.B., are in preparation.

64. Preparatory measures have also been taken for the fitting of R.D.F. beacons in the important eastern harbours to be used as navigation aids. This is in conformity with Admiralty policy.

Personnel

65. An R.D.F. staff has been built up comprising at present:

(a) One officer in charge of R.D.F. development and production.

(b) A development group of three officers and a varying number of ratings.

(c) An inspection officer.

(d) An officer in charge of installation at points other than Halifax and St. John's, Newfoundland.

(e) Officers trained in Canadian R.D.F. and appointed to Halifax and St. John's, Newfoundland, to carry out instruction, shipfitting and maintenance duties.

66. A building has been erected near Halifax and fitted with type SW-IC R.D.F., for training R.D.F. operators for duties at sea and additionally for instruction to officers required to be acquainted with the operational use of R.D.F.

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67. In view of the Pacific situation an R.D.F. fitting officer has been sent to the west coast to equip R.C.N. ships operating on the Pacific coast.

68. Two R.C.N.V.R. lieutenants, specially trained in R.D.F., were loaned to the B.A.R.M. in Washington and have been generally employed in fitting R.N. ships in the eastern U.S.

69. A total of 30 sub-lieutenants, Special Branch, R.C.N.V.R., have been sent to England for service with the Admiralty. Fifteen of these officers were given a course of several weeks in practical R.D.F. at the N.R.C. before taking passage to Britain. Six of the original group loaned to the Admiralty, who have had at least one year's service afloat with the R.N., have returned to Canada and their experience is being used to advantage in the instructional and maintenance group at Halifax and with the Naval group in Ottawa.

70. Fifteen R.D.F. ratings have been loaned to the N.R.C. to assist in practical manual work required to build Army, Navy and Air Force R.D.F. equipment. This arrangement was made at the request of the Interservices R.D.F. Committee. Much useful experience is being gained by these ratings.

71. The Western University at London, the Technical Institute at Hamilton, together with the University of Toronto have given instruction over periods up to three months to large numbers of ratings in addition to the 30 R.C.N.V.R. sub lieutenants supplied on loan to the Admiralty. It is planned to make further use of the Universities in future training programmes.

72. Training of R.D.F. ratings was carried out at the Signal School in Halifax and is about to be resumed at the new Signal School in St. Hyacinthe.

SCIENTIFIC RESEARCH & EXPERIMENT DEPARTMENT

73. In the Spring of 1941 the National Research Council was officially designated "The Scientific Research and Experiment Department of the Royal Canadian Navy". Since that time increasing use has been made of the laboratory facilities, as well as the technical knowledge of the various members of the staff, and it is now apparent that the action taken in this respect has been fully justified in the light of the services rendered to the Royal Canadian Navy. The facilities of the National Research

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Council have been extended to both the East and the West Coasts, in addition to the main laboratories at Ottawa. The National Research Council Staff at Halifax was the first group to be retained for Naval matters. Excellent work was done by this group shortly after the beginning of hostilities, in expediting the degaussing of ships, and investigating the methods for counteracting the German magnetic mine. Later a degaussing range was fitted out in Bedford Basin, at Halifax, to check the effectiveness of degaussing installations, in addition to obtaining the signature of undegaussed ships to aid in the calculation of suitable degaussing coils. A degaussing range has now been completed at Sydney, N.S., while another is nearing completion at Vancouver.

74. During the past summer the first mobile deperming ship was commissioned, to be used for the purpose of correcting the state of a ship's permanent magnetism, as a necessary supplementary action to the effect of the degaussing cable. In this project the Halifax staff acted as consultants and assisted in the design and procurement of much of the equipment involved. In Ottawa the Electrical Engineering Staff prepared a design for the first group of magnetic minesweeping vessels. All of the control equipment was built in the Ottawa laboratories, while the electrical machinery was procured from commercial firms, to specifications prepared by the National Research Council Staff. Installation of the electrical gear in the ships at Halifax was supervised by members of this staff. At present, the same staff is working on the preparation of more modern types of magnetic minesweeping gear, incorporating fly-wheel type of generator, and improved methods of pulsing.

75. The advent of the necessity for sweeping the German acoustic mine prompted the British Admiralty to ask that National Research Council scientists from the Acoustic Staff be sent to England to become acquainted with known methods of sweeping this mine and to assist in laboratory work then under way in the Admiralty. Meanwhile, in Halifax, the staff had established a "lash-up" acoustic range on the site of the degaussing range. The purpose of this range is to analyse ships' noises and to pass on the effectiveness of acoustic minesweeping gear. In this respect the United States Bureau of Ordnance has cooperated magnanimously in loaning microphone and associated equipment to allow rapid construction of a more permanent and effective acoustic range.

76. An interchange of ideas between the U.S. Bureau of Ordnance and National Research Council scientists engaged in acoustic, in addition to the degaussing and magnetic minesweeping problems, has been going on continuously.

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77. Since the existing types of acoustic sweeping gear, as used in the United Kingdom, had not fully proven their worth, an investigation at Ottawa, and finally in Halifax, was initiated to develop a suitable type of parallel pipe noise-making machine. As a result of tests of various designs, one method of construction was found to be satisfactory as regards frequency range, noise level and life in service. Several units have been constructed in Halifax and will be available for immediate use if enemy Acoustic Mines should be laid in the vicinity.

78. In the laboratories at Ottawa, numerous projects have been under way, most of which have been covered in previous reports and memoranda. The following are listed and described to indicate the scope of the work, and its varied nature.

79. Plastic Armour: The Royal Canadian Navy's policy of equipping merchant ships with the plastic type of protective armour, developed in the United Kingdom, necessitated the use of the laboratories in selecting suitable grades of rock and other constituents entering into the construction of plastic slabs. Rock samples from all over the country were obtained and made up into slabs for ballistic test with .303 armour piercing ammunition. As a result of this laboratory work, construction of suitable slabs was put on a straightforward basis for manufacture by commercial firms, utilizing relatively unskilled labor.

80. Synthetic Armour: The limited knowledge on the subject of plastic armour, and the consideration that there existed numerous possibilities for improving the performance and reducing the weight and bulk, indicated the advisability of continuing research along these lines. Experiments with the plastic armour had shown that two possible methods for improvement existed, namely, to provide a bond of very high tensile strength, utilizing extremely hard aggregates, or to utilize the "billiard ball" effect, wherein very hard aggregates of approximately spherical shape, are bonded with a soft elastic material, so that the projectile is allowed freedom to undergo drastic deflection after partly penetrating the slab. The present work has followed both lines, but the more promising of the two appears to be the utilization of the high strength bond, and most of the work has been concentrated on this type of construction. The status of the development at present indicates that synthetic armour slabs can be produced from suitably selected hard and tough Canadian rock, bonded with a thermoplastic or thermosetting synthetic resin. Such slabs would be approximately three times as thick as equivalent armour plate, and weigh approximately 20 per cent more.

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81. Non-slip Deck Covering: The unavailability in Canada of steel covering compounds, similar to the Semdec used for Royal Navy ships, resulted in a programme of experimental work to develop a suitable compound for manufacture in this country. In cooperation with two floor covering manufacturers, a suitable non-slip compound was produced, and tests are now under way to determine the suitability and life of the material in service.

82. Station Keeper: The first experimental model of an optical station keeper designed by the staff of the Optical Division, has been sent to Halifax for service trials. The use of this instrument requires a knowledge of a fixed baseline on the ship being ranged, and to overcome this, another type of range finder has been developed, based on the standard type of fixed base, co-incidence principle. The first model of this improved instrument will be available for service trial shortly.

83. Special Radio Equipment: Equipment is under construction for the continuous determination of Kennelly-Heaviside Layer heights. This information, in addition to similar data from other stations on the continent, is to be used in connection with the prediction of the range of high frequency communications. The facilities of the National Research Council in both the construction of the equipment and for consulting purposes, are being fully utilized.

84. To obviate the necessity of continual manual searching for suspected enemy use of radio frequencies throughout the useful communications range, there is being built an experimental type of automatic recording panoramic receiver. The first model will only be capable of searching a limited part of the spectrum at one time, and is being constructed mainly to assess the value of the mechanical recording device. Future models will be capable of sweeping the complete spectrum and will provide a continuous record of all transmissions.

85. Small Boat Construction: Following the construction of a quarter-scale pulling dinghy, utilizing modern molded wood construction, arrangements have now been completed for a full scale 16' boat to be produced. Utilization of t is method of wood fabrication will provide simplification in design, while incorporating increased strength with an appreciable reduction in weight of the completed hull.

86. Submarine Detection: Extensive research has been carried out in an endeavor to develop a magnetic type of short range submarine detector. The first design tested in Halifax was found to be unsatisfactory due to the

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magnitude of roll and heading errors, which were of greater magnitude than the submarine signature. The tests carried out so far show that it is probable that such errors can be eliminated and experimental work is continuing to bring this matter to a conclusion. A similar project is under way in the United States Bureau of Ordnance, and it is considered that collaboration between the two groups should be productive of satisfactory results. The one basic limitation of this type of detecting gear lies in its inability to determine the bearing of the submarine.

87. To assist in diving operations for the recovery of torpedoes lost in trials through accident, the same principle is being applied in the construction of portable search apparatus. The gear is housed in a long non-ferrous tube which is slung horizontally to minimize effects due to rotation, while the tube is towed through the water during the search.

88. The Physics Department of the University of Toronto, as an external unit of the National Research Council, are tackling the problem of submarine detection from a different standpoint. Small echo-sounding magnetostriction oscillators have been developed which show promise of detecting a submarine at ranges under 250 yards, and providing accurate information concerning the range, bearing and possibly, the depth of the submarine. A similar project is under way in the Acoustic Laboratory at National Research Council.

89. Cellular Material: The scarcity of buoyant materials such as cork, Balsa, kapok, etc., prompted the development of synthetic cellular materials. The development has been along the lines of producing a small cell material by embossing paper in such a manner that closed non-intercommunicating cells are produced when sheets of the paper are stacked. The paper is impregnated with suitable resinoids to provide strength, in addition to resistance to water absorption.

90. Salt Water Evaporator: This device, conceived by a member of the N.R.C. staff, was designed to be used as a chest pad for the continuous evaporation of sea water, to provide fresh water for drinking purposes. Apparatus of this nature is considered to be of great importance as a means of furnishing each member of a torpedoed ship's company with his own water supply when adrift in a small boat or raft. After preliminary investigation in the laboratory, the design of the device for service wear, and production on a commercial basis, was placed in the hands of a rubber goods manufacturer.

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91. Erosion Problems: The simultaneous failure of several copper injection and discharge pipes on H.M.C. corvettes and destroyers initiated an investigation into the cause of the failure, which may now be attributed to unuasually high sulphur content in the water, converted from the large amounts of fuel oil present in the harbors, by bacteriological action. Preventive measures indicate the use of red brass instead of the soft copper in the case of replacement pipes. Pipes which are capable of being repaired may be sprayed internally with a thin coating of red brass, or be alternatively protected by rubber lining.

Miscellaneous Projects & Tests

92. Extensive laboratory tests were conducted on the problem of producing a boot sole to provide non-slip properties when used on a wet steel deck. In cooperation with rubber manufacturers, numerous types were subjected to slip tests, the result of which was the selection of a pebble type rubber tread. Samples of rubber in boots incorporating this design of tread are to be tested under service conditions.

93. The Paint Laboratory staff has prepared specifications for suitable camouflage paints for H.M.S. ships.

94. Type "H" Polaroid filters are being fitted in special mounts for adaptation to gunsight telescopes and binoculars, to determine the efficacy of this type of filter for reducing extraneous reflected glare.

95. Models of the magnetically actuated degaussing cable fault locator are being produced by the Canadian General Electric Company and Sangamo Electric Company from designs prepared by the Electrical Engineering Laboratory.

96. Preliminary to the adoption of inflammable gas detectors for gasolene powered craft, two available types of equipment are undergoing tests for sensitivity and reliability.

97. Samples of kite anchoring wire from various manufacturers have been tested for tensile strength.

98. Several types of porcelain, pyrex and rubber cord antenna insulators have been checked for tensile strength and electrical insulation characteristics.

N.R.C. Cooperation

99. The collaboration of the National Research Council staff on the various Naval projects has been, on the whole, most satisfactory.

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There occasionally arises a condition wherein the normal run of an experiment is impeded by a shortage of laboratory staff due to the use of the Research Council facilities by the other Services. The chief shortage of personnel has existed in the laboratory assistant class- mostly made up of workers with high-school education - and it appears that the shortage is due to the large number of relatively well-paid industrial jobs now available, or to the entrance of such men into the Services.

100. In Halifax, the Research Council staff has operated under rather adverse conditions due to the lack of suitable quarters in the Dockyard. The utility to the Navy of this section of the Research Council could be greatly enhanced if much larger quarters could be obtained to accommodate the ever-increasing staff and laboratory facilities.

BOOM DEFENCE

101. The Anti-Submarine (A/S), Anti-Torpedo (A/T) and Anti-Boat (A/B) Boom Installations at Canadian and Newfoundland Ports are as follows:

A/S Booms Installations

Sydney, N.S. - Double line boom 4125 ft. in length, of 3" wire. The net has 8 ft. mesh with a gate in each line (double gate). This boom was laid in June and weighed in December.

Gaspe, P.Q. - Double line boom, 2925 ft. in length, of 3" wire. The net has 8ft. mesh with a gate in each line (double gate). This boom was laid in August and weighed in December.

Halifax, N.S. - Double line boom, 4335 ft. in length, of 3" wire having 8 ft. mesh, with a single gate of 4" wire. This boom is in position the year round.

Esquimalt, B.C. - Single line boom, 1725 ft. in length, of 4" wire throughout, 8 ft. mesh and central gate of 4" wire. This boom is in position the year round.

Shelburne, N.S. - Double line boom, 4275 ft. in length, of 3" wire having 8 ft. mesh, with a gate in each line (double gate). This boom

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was laid in September and is in position the year round.

Prince Rupert, B.C.- Single line boom, 2035 ft. in length, of 3" wire, 8 ft. mesh and a gate of 4" wire. This boom was laid in September and is in position the year round.

A/T Booms Installations

Sydney, N.S. - Double line, 2800 ft. long, laid in two baffles 500 ft. to harbour side and parallel to the A/S boom and located on each side of the A/S boom gate. This boom was laid in June and weighed in December.

Esquimalt, B.C. - Double line, laid in two baffles, total length 523 ft. This boom is in position the year round.

St. John's, Nfld. - One single line baffle, 389 ft. in length and two double line baffles - total length 583 ft. This boom was laid in August and to be weighed in December.

A/B Booms Installations

St. John, N.B. - Log construction, 540 ft. long (under construction).

Wood Piling Obstructions

Halifax, N.S. - A pile maze is in place in Eastern Passage and between Lawlor's Island and McNab's Island as an A/S and A/B obstruction.

Prince Rupert, B.C.- A boom of log construction with a gate section has been designed and arrangements are under way to assemble and lay this boom at Metlakatla Passage, an opening from the North West into Prince Rupert Harbour. This boom should be in operation in February, 1942.

Boom Defence Buildings

Halifax, N.S. - The buildings and slab have been completed at the new depot at Dartmouth. the equipment and personnel moved to this depot from Halifax Dockyard in October, 1941.

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Sydney, N.S. - Necessary additions were made to the building erected a year ago.

Gaspe, P.Q. - All buildings were completed in May 1941 and Depot established. The net weaving slab was constructed in July, 1941.

St. John's, Nfld. - Suitable buildings and maintenance yard leased.

Shelburne, N.S. - All buildings, the net weaving slab and launching ramp were completed August 15th, 1941.

Esquimalt, B.C. - This base is well equipped, having been long established. Dockyard buildings being used. A proposal has been made to erect a separate base across the harbour near Yew Point to release dockyard building needed for other purposes.

Prince Rupert, B.C.- Building and slab not yet finished, work is progressing, completion is expected in January.

102. Personnel

Superintendent Boom Defence	Lieut.-Cdr.	R.C.N.V.R.	1
A/Superintendent Boom Defence	Lieut.	R.C.N.V.R.	1
Inspector of Booms	Lieut.-Cdr.	R.C.N.V.R.	1
Assistants at Headquarters	Lieut.(S.B.)	R.C.N.V.R.	3
Assistants at Headquarters	Mate	R.C.N.R.	1
Civilian Inspector of Materials			1
A/Inspector of Booms (West Coast)	Lieut.-Cdr.	R.C.N.	1
A/Inspector of Booms (East Coast)	Lieut.	R.C.N.R.	1
A/Assistant Inspector of Booms (East Coast)	Lieut.	R.C.N.R.	1
Engineer Warrant Officer (S.B.)		R.C.N.V.R.	1

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Boom Defence Officers	Lieut.	R.C.N.R.	1
	Lieut.	R.C.N.V.R.	2
	Ch./Sk.	R.C.N.R.	2
	Skipper	R.C.N.R.	2
A/Boom Defence Officers	Skipper	R.C.N.R.	7
Gate Vessel Skippers		R.C.N.R.	21
Tug Boat Skippers		R.C.N.R.	4
	Total Officers	--	51
Other Ranks carried on Boom Defence Vessels (approximately)			510
Civilian Personnel (Maintenance Crews) (approximately)			175
Civilian Clerical Employees			25
	Total Others	--	710

103. Vessels

Gate Vessels, East Coast	10
Gate Vessels, West Coast	6
Maintenance Vessels	7
Tugs	7
Gate Attendant Vessels	6
Miscellaneous Harbour Craft	12
Total	48

104. Boom maintenance vessels have been secured by contract for Halifax, Shelburne and Gaspe. At Sydney, maintenance was done by boom defence maintenance vessel "Derrick No. 7". "Derrick No. 3" has been secured by lease for Shelburne to commence the end of December. Two new vessels are to be built for use at Halifax and Gaspe.

105. When these arrangements are complete, the Boom Defence Section will operate its own maintenance vessels, terminating the unsatisfactory maintenance by contracts.

106. On the West Coast, H.M.C.S. "Cherry Picker" maintains both A/S and A/T nets at Esquimalt. A derrick scow is now being built for

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maintaining the Prince Rupert boom. This vessel is scheduled for delivery in March, 1942.

107. Two concrete gate vessels were built and fitted at Halifax for use at Sydney and two wooden gate vessels were built at Vancouver for use at Prince Rupert.

108. All depots operate crawler cranes ashore for handling heavy boom defence materials.

General.

109. The Boom Defence Section operates as an independent Branch of the Directorate of Technical Division.

110. The Superintendent of Boom Defence and the Deputy Inspector of Booms inspected the nets and depots at Prince Rupert and Esquimalt, B.C., in September, 1941. The Director of Technical Division and the Superintendent of Boom Defence made an inspection trip to Halifax, N.S., and Sydney, N.S., in December, 1941.

111. East Coast depots were inspected in February, May and July, 1941, by the Inspector of Booms.

112. During October and November, 1941, a visit to the Boom Defence Depot, Admiralty, Rosyth, and various ports in the United Kingdom, was made by Lieut. A.T. Galt Durnford. In co-operation with the Admiralty, inspections of the boom defence installations were made at Dover, Portsmouth (Gosport) (Hamlin), Plymouth, Firth of Forth (Rosyth), and Clyde (Greenock). Various factories making buoys, chain cable, steel, wire rope, etc., were also visited. Lieut. Durnford spent a week at the Boom Defence Department, Admiralty, where drawings covering new designs were obtained and brought to Naval Service Headquarters, Ottawa.

113. Due to the rapidly changing forms of attack, several important changes have been developed in boom defence. The possible forms of attack and types of defence recommended, and considerable other data is contained in reports dated December 8th and 12th, 1941, by Lieut. Durnford, following his visit. (Naval Service Headquarters File N.S. 1053-1-2).

114. Plans and specifications are now being prepared to adapt the new types of defences to Canadian ports to withstand the new forms of attack.

115. Depots are now sufficiently equipped, officers and men have been trained and equipment is in operation which enables the Boom

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Defence Section to fabricate nets ashore and carry out all laying and weighing operations.

116. To centralize control, close contact was maintained with all the bases on both East and West Coasts. All materials manufactured in Canada were inspected prior to shipment and tested where necessary. Inspections in Ontario and Quebec were made by inspectors attached to the Boom Defence Office, Naval Service Headquarters, and those made on the East and West Coasts were arranged through the Assistant Inspector of Booms on each Coast. A report procedure was instituted by which weekly reports of the progress operations are received regularly at Headquarters.

117. The Boom Defence Office at Naval Service Headquarters carries the personnel and equipment for designing and inspection of all boom components and the ordering of all material is centered here.

118. As a result of the recent visit of the Director of Technical Division and the Superintendent of Boom Defence to the East Coast, considerable changes in the boom defences are receiving consideration as to the best methods of adaptation.

Moorings

119. In October, 1941, the laying and maintenance of ship moorings became the responsibility of the Boom Defence Section.

120. Schedules of materials previously drawn up at the Directorate of Naval Stores were covered by contract demands for moorings as follows:

1 only	Fourth Class	1-Arm Mooring	Botwood, Nfld.
2 only	Second Class	3-Arm	Halifax, N.S.
1 only	Fourth Class	Head & Stern (5 Buoys)	Halifax, N.S.
2 only	First Class	4-Arm	Halifax, N.S.
1 only	Fourth Class	Head & Stern (3 Buoys)	Halifax, N.S.

121. Mooring laying will commence as soon as material is available. Inspections of mooring gear at manufacturing plants are to be carried out by the inspection staff of the Boom Defence Section.

DEGAUSSING

122. Organisation: During the past year work in connection with degaussing, ranging and depermning was organised under the

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Director of Technical Division and administered by the Degaussing Officer. There has been a large percentage increase in personnel, and it is expected a further expansion will be necessary next spring for the supervision of new construction vessels, both Naval and Merchant.

123. New Construction - (Naval): Sixty corvettes and 34 minesweepers have been fitted with degaussing while being constructed at various shipyards throughout Canada during the past year. The supply of compass corrector equipment, especially heeling error coils, has been very slow and on this account many vessels are not fitted with heeling error compass corrector coils at the present time. Range records to date indicate that, with deperming, corvettes and minesweepers have a safety depth of about six or seven fathoms with a mine of sensitivity plus or minus 15 milligauss.

124. New Construction - (Merchant): At present only British vessels are being degaussed in Canada using Canadian specifications. The bulk of the equipment used is being supplied from the U.S.A. under the terms of the Lease Lend Bill. None of these vessels have been ranged in Canada so far, but a similar vessel built and ranged on the West Coast of the U.S.A. indicates a safety depth of about 27 fathoms. It is hoped to better this safety depth on ships degaussed in Canada since the Canadian specifications allow a 25% increase in ampere turns.

125. Naval Vessels in Commission: During the past year the degaussing on Naval vessels has been repaired or modified as necessary. In addition, some vessels have had their coils placed below deck.

126. Merchant Ships: A large volume of work resulted from the repair and installation of the degaussing equipment on merchant ships at the various degaussing ports. The greater part of the work consisted of repairs to existing installation and the replacing of obsolete temporary installations with modern permanent equipment. Towards the latter part of the year the bulk of this equipment was being received from New York under the terms of the Lease Lend Bill.

127. As regards ships of Canadian registry, the total cost is being absorbed by the Department of Transport, who are placing at the disposal of the Naval Service sufficient funds to carry on this work. It has been decided to degauss 19 vessels of Canadian registry operating in the coastal service on the West Coast.

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Ranges

128. Halifax: The Halifax range has been functioning successfully and continuously since its establishment and during the past year range records have been received for 778 vessels. Of this number 181 have been Naval vessels, the remainder Merchant. Serial numbers, however, indicate that more than 1,000 vessels have been ranged altogether.

129. The shallow range was out of commission for about two weeks in January, 1941. A merchant ship, almost running aground, dropped her ameter on the shallow range and as a result the detector coils were damaged, repairs being made locally.

130. Sydney: The Sydney D.G. range ranged its first ship on September 27th, 1941. Since that time 24 vessels have been ranged including one Naval vessel.

131. Some of the necessary instruments had to be forwarded from Vancouver owing to the non-arrival of equipment from the United Kingdom.

132. Vancouver: The Vancouver D.G. range is not in commission yet, but it is hoped that it will be by the New Year. The delay at this range has been caused by changing the site from Kitsilano Bay to the original location off Ferguson Point. To put this range in commission it may be necessary to transfer some instruments now at Sydney to Vancouver. Replacements for Sydney will be available before the opening of navigation at that port in the Spring.

133. General: It has been decided to establish a depot store at Halifax for degaussing ranges and the necessary equipment is on order. This store will have all the necessary instruments and equipment for the establishment of a complete range, and these will be available should it be decided to establish a fourth D.G. range in Canada. The supplies may be used also in case of fire at an existing range or should replacements be necessary for any other reason.

134. Range operations at Halifax and Sydney have been very successful to date and much valuable information has been compiled.

Deperming

135. H.M.C.S. "ROSS NORMAN" was commissioned in August as a mobile deperming unit and since that time has depermed a total of 5 ships, including 35 Naval vessels. This unit, since commissioning, has achieved consistently excellent

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results, adding greatly to the safety depths of vessels depermed. The results to date have been so successful that the possibility of establishing a fixed deperming unit, either at Sydney or Halifax, is being considered. The establishment on the West coast of a unit similar to H.M.C.S. "ROSS NORMAN" should be considered at a later date.

General

136. Operations during 1941 have been entirely satisfactory with the exception of the supply of compass corrector equipment for both Naval and Merchant vessels. Delays in supply of this equipment were caused mainly by manufacturing difficulties which have since been ironed out. Repetition of such difficulties is not expected during 1942.

TRIALS OF CONTRACT BUILT SHIPS

137. The work of this Branch has been to organise and carry out trials and inspections at shipyards of vessels built for the R.C.N., and was instituted in the Spring of the year under the D.T.D. To date trials have been carried out on -

53 of H.M.C. Corvettes;
27 of H.M.C. Minesweepers;
15 of H.M.C. Fairmiles;
670 formal trials in all and the preliminary inspections necessary on each ship.

138. The staff consists of the Inspector of Contract-Built Ships; two fitting-out-gunnery officers; one warrant shipwright and one commissioned gunner (t), who have conducted steering, astern, anchor, electric, full power, endurance and acceptance trials and the inspection of hull, gunnery and flooding equipment.

139. The date for trials is set by the Contractor in conjunction with the Resident Naval Overseer of the district. Available members of the trials party - D.T.D., A/D.T.D. or I.C.B. - then proceed to the ship at her yard to direct trials. When the ship is considered fit, a date is set in conjunction with the yard superintendent for acceptance trial: this proving successful, the acceptance papers for the ship are signed by one of the three accepting officers.

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140. The area in which trials and inspections have taken place range from Port Arthur, on Lake Superior, to Saint John, N.B., and were held mainly at the Port Arthur Shipbuilding Company, Collingwood Shipbuilding Company, Dufferin Shipbuilding Company, (lately named Toronto Shipbuilding Company), Kingston Shipbuilding Company, Canadian Vickers Limited, Morton Engineering Company and the two Davie Shipbuilding companies. Collaboration with shipyards personnel has ensured the completion of ships to the letter of the contract. The result has been a high standard of well-built, well-found vessels proceeding in a steady stream to the East Coast.

141. Trials and inspections of new construction building on the West Coast have come under the jurisdiction of the Supervising Naval Overseer, Esquimalt. Reports from this officer to N.S.H.Q. have listed successful trials in all cases.

142. Vessels are accepted for the R.C.N. with a list of defects to be made good by the contractor or the Department, as the case may be. In this respect it has been found that when the contractor has been instructed to fit and supply certain items to the satisfaction of the Resident Naval Overseer a certain amount of difference of opinion has sometimes existed. In such cases the difference has been settled by the inspecting officer. When the Department has been concerned with these matters, some difficulty has been experienced, in that such items have been ordered in too great a quantity to allow for alteration, and have had to be fitted, even if not satisfactory to the inspecting officer.

143. Following is list of the vessels tried by the Branch:

MONTH	CORVETTES	MINESWEEPERS	FAIRMILES
APRIL	5 (H.M.C.S. RIMOUSKI (" PICTOU (" CHILLIWACK (" TRAIL KAMLOOPS	0	0
MAY	11 (H.M.C.S. MATAPEDIA (" ARVIDA (" BADDECK (" LEVIS (" CHICOUTIMI (" DAUPHIN (" NAPANEE (" BARRIE (" GALT (" QUESNEL (" NANAIMO	0	0

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MONTH	CORVETTES	MINESWEEPERS	FAIRMILES
JUNE	9 (H.M.C.S. SHERBROOKE (" BUCTOUCHE (" CAMROSE (" SASKATOON (" LETHBRIDGE (" PRESCOTT (" MOOSE JAW (" KENOGAMI (ROSTHERN	0	0
JULY	4 (H.M.C.S. SHEDIAC (" BRANDON (" BATTLEFORD (ALGOMA	2 (H.M.C.S. COWICHAN (" WASAGA	0
AUGUST	2 (H.M.C.S. AMHERST (" SOREL	5 (H.M.C.S. MALPEQUE (" MINAS (" QUINTE (" CLAYOQUOT (" NIPIGON	0
SEPT.	5 (H.M.C.S. SUTTERSIDE (" SHAWINIGAN (" DUNVEGAN (" DRUMHELLER (" MORDEN	5 (H.M.C.S. UNGAVA (" MAHONE (" CHEDABUCTO (" BURLINGTON (" GEORGIAN	0
OCTOBER	6 (H.M.C.S. LOUISBURG (" SUDBURY (" THE PAS (" DAWSON EDMUNSTON KAMSACK	3 (H.M.C.S. CHIGNECTO (" THUNDER (" DRUMMOND- VILLE	3 Q-052 Q-054 Q-057
NOVEMBER	4 (H.M.C.S. OAKVILLE (" WEYBURN (" MIDLAND (" HALIFAX	6 (H.M.C.S. MIRAMICHI (" QUATSINO (" SWIFT CURRENT (" RED DEER (" GANANOQUE (" GODERICH	8 Q-050 Q-051 Q-053 Q-055 Q-056 Q-058 Q-060 Q-061
DECEMBER	7 (H.M.C.S. LUNENBERG (" CHARLOTTETOWN (" REGINA (" SACKVILLE (" CALGARY (" FREDERICTON (" WETASKIWIN	6 (H.M.C.S. OUTARDE (" BELLECHASSE (" NELLEVILLE (" MEDICINE HAT (" VEGREVILLE (" GRANDMERE	4 Q-062 Q-063 Q-072 Q-073
TOTAL	53	27	15

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CONSTRUCTION LIAISON

144. The fundamental duties of this branch are the interpretation of all plans approved by the Headquarters Base Planning Committees in a manner that can readily be understood by D.W.B.(N.) Branch; the institution of action necessary to bring approved plans to finality, and to advise Commands of decisions reached. Submissions for new construction from Commands to N.S.H.Q. are routed through this branch.

145. Personnel consists of four officers with a division of duty as follows: (1) C.O.A.C. (Halifax), C.C.N.F. St. John's, Newfoundland; (2) Sydney, Shelburne, Gaspe; (3) C.O.P.C. Esquimalt; other West Coast Commands; (4) R.C.N.V.R. Divisions. A fifth officer, on the staff of the C.O.P.C. at Esquimalt, acts as representative of the Branch on the West Coast.

GENERAL

146. The Technical Division was formed at N.S.H.Q. in February 1941, to co-ordinate and strengthen the work of R.C.N. technical experts. The Division consists of ten branches, who deal with anti-submarine defence in ships; harbour net defences; mines and mine-fields; chemical warfare; the technical side of degaussing; and a research liaison officer who brings before the R.C.N. the inventions which the National Research Council decide are worthy of investigation. This latter officer also takes to this Council naval problems requiring practical investigation.

147. The Directorate conducts also the final trials of vessels being built in Canadian yards, and passes upon their suitability for acceptance.

148. The construction liaison Branch provides liaison with Works and Building Directorate and the defended ports of Canada in the present programme of fortification.

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XI PUBLIC RELATIONS

Naval Information

1. During 1941 Naval Information activities consisted of press releases; articles for newspapers, year books and periodicals; distribution of photographs; supplying facts, figures and incidents to writers, radio broadcasters, public speakers and other individuals interested in the Naval Service; arranging facilities at shore establishments and shipyards for reporters, photographers, radio broadcasters, news reel camera men and feature writers; issuing invitations to launchings of corvettes, minesweepers, and arranging details connected therewith; examination of 18 Canadian daily newspapers; providing information requested by telegram, letter, telephone and personal application, etc.

2. Press releases have been made on graduations, appointments, promotions, actions at sea, awards, training of personnel, casualties, naval orders, et cetera. Articles and messages for the Minister have been prepared and issued.

3. In connection with Navy Week a series of six articles for national newspaper distribution plus accompanying photographs was prepared. An article entitled "Canada's Navy" was prepared for the November issue of the Canadian Geographical Journal and 10,000 reprint booklets ordered for distribution. An article on the Royal Canadian Navy has been supplied the MacMillan Company, Toronto, and will shortly appear in booklet form. A series of five illustrated articles on convoy escort prepared for newspaper national distribution commenced at the end of December.

4. Close co-operation has been established with the Department of Public Information and arrangements, already proven effective, have been made for the mimeographing and distribution of timed press releases and for the multiplying and distribution of photographs.

5. Personnel of Naval Information comprises the Naval Information Officer, Assistant Naval Information Officer and one writer (lieutenant (S.B.) R.C.N.V.R.).

Photographic Section

6. Much time has been spent during the past three months on development of special equipment and technique for rapid and inexpensive production of personnel identification

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cards and on the training of unskilled hands to carry on this work. It should be noted that on commencement of this work, no satisfactory method was known, apart from specialized and largely experimental equipment of disproportionate cost and requiring skilled hands for operation. Experimental work was begun in September and continued until November. It has resulted in a satisfactory technique, capable of operation by unskilled hands, and the designing of successful and simplified equipment.

7. This sub-section, almost entirely independent of the regular staff, is now capable of turning out in excess of 400 finished cards per day, entailing the processing of more than 800 negatives and 800 prints.

8. Another innovation calling for considerable experimental work has been the production of a daily photographic record of Operations Chart. Here, the excessive reduction required, (better than 12 diameters) of sufficient clarity to allow print less than one thirty-second of an inch high on the finished product to be read by the naked eye, called for precision work of a high order with only moderately precise equipment.

9. General routine production of this section has suffered somewhat due to the demands made on its skilled hands by the above mentioned work. The last two weeks of December, however, saw the darkroom staff on uninterrupted production once more. In round figures, the quarterly output was as follows:

Contact prints made.....	3,034
Projection prints made..... (Ranging from 6" x 8" to 20" x 24")	4,187
Copy negatives made.....	238
Negatives received from all bases, classified and filed.	1,500

10. Demands on Photo Section were received from most Directorates and Sections at N.S.H.Q.

11. This quarter has seen the loan of a photographic officer to Naval Information and the appointment of a lieutenant (SB) R.C.N.V.R., as press liaison officer on C.C.A.C. staff. Coupled with this was an increasing demand for photographic work from Naval Information. To keep pace with this, and to provide for the increasing amount of precision work required

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by other sources, additional darkroom equipment is now on order.

12. Darkroom equipment sufficient to allow the Section's Newfoundland base to provide services required of it, is also on order and should be in operation before the end of the next quarter.

13. Four volunteers from R.C.N.V.R. ranks were admitted for training as photographers, bringing the complement to the allowed limit of 12 ratings. Two of these have graduated from the R.C.A.F. School of Photography, two are still in training. In addition, four ratings from Degaussing, Halifax, have been taken over for training in photography. On completion of this course, they will return to Degaussing.

14. Establishment of a 'circulating library' of 16 mm. motion picture film has proved a marked success insofar as it has been possible to extend it. There has been a brisk demand from all R.C.N.V.R. Divisions for training and educational film and, while favourable reports have been received from most quarters, the library has about reached the limit of its meagre resources, despite all efforts to augment it through existing channels.

15. Sound projection equipment has been installed at Sydney, N.S., and delivery of similar apparatus for H.M.C.S. "St. Hyacinthe" is expected shortly. For the latter establishment, commercial films for instruction in electricity and magnetism have been obtained. Other specialized training films, either delivered or on order, include medical subjects for instruction of Sick Bay attendants and a series of 18 machine shop practice films for training engineer personnel, produced by the U.S. Office of Education.

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Minister	2	Prime Minister	2
D.M.	1	S.O. (I)	1
C.N.S.	1	S.O.C.S.	1
D.C.N.S.	1	U.S. Naval Attache, Ottawa	3
D.N.I.	1		
D.N.P.	1	H.C. for Canada, London	2
E. in C.	1	C.C.C.S.	2
D.N.O.	1	C.G.S.	2
D.P.S.D.	1	C.A.S.	2
D.O.D.	1	C.O.A.C.	2
R.C.S.	1	C.O.P.C.	2
S.S.B.	1	C. Naden	1
D.T.D.	1	C. Stadacona	1
D.N.A.	1	Capt. i/c Halifax	1
D.N.S.	1	N. Supt. Halifax	1
F.I.S.	1	N.O. i/c, Sydney	1
M.M.S.	1	N.O. i/c, Saint John	1
N. Inf.	1	N.O. i/c, Gaspe	1
N. Sec.	1	N.O. i/c, Quebec	1
A/N. Sec.	1	N.O. i/c, Montreal	1
N.D.A.	1	F.O.N.F., St. John's Nfld.	3
D.W.B. (N)	1	N.O. i/c, Vancouver	1
S. A/S.	1	N.O. i/c, Prince Rupert	1
Inspr. Booms	1		
Can. Naval Attache Washington	4	D.N.I. for distribution to:	
Secretary of State for External Affairs	1	C-in-C, A. & W.I.	2
		Admiralty (D.N.I.)	4

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Minister	2	Prime Minister	2
D.M.	1	S.O. (I)	1
C.N.S.	1	S.O.C.S.	1
D.C.N.S.	1	U.S. Naval Attache, Ottawa	3
D.N.I.	1		
D.N.P.	1	H.C. for Canada, London	2
E. in C.	1	C.C.C.S.	2
D.N.O.	1	C.G.S.	2
D.P.S.D.	1	C.A.S.	2
D.O.D.	1	C.O.A.C.	2
R.C.S.	1	C.O.P.C.	2
S.S.B.	1	C. Naden	1
D.T.D.	1	C. Stadacona	1
D.N.A.	1	Capt. i/c Halifax	1
D.N.S.	1	N. Supt. Halifax	1
F.I.S.	1	N.O. i/c, Sydney	1
M.M.S.	1	N.O. i/c, Saint John	1
N. Inf.	1	N.O. i/c, Gaspe	1
N. Sec.	1	N.O. i/c, Quebec	1
A/N. Sec.	1	N.O. i/c, Montreal	1
N.D.A.	1	F.O.N.F., St. John's Nfld.	3
D.W.B. (N)	1	N.O. i/c, Vancouver	1
S. A/S.	1	N.O. i/c, Prince Rupert	1
Inspr. Booms	1		
Can. Naval Attache Washington	4	D.N.I. for distribution to:	
Secretary of State for External Affairs	1	C-in-C, A. & W.I.	2
		Admiralty (D.N.I.)	4

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SECRET

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 15

Ottawa, 3rd January, 1942.

Summary of information Respecting
Departmental Activities

SUMMARY NO. 113

(For week ending 3rd January)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 1st, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	368	3,461	3,829
R.C.N.R.	729	3,952	4,681
R.C.N.V.R.	2,219	16,885	19,104
	3,316	24,298	27,614

Increase - 122

(b) Recruiting Activities from December 25th, 1941 to January 1st, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	0	1	1
R.C.N.R.	2	6	8
R.C.N.V.R.	55	86	141
TOTAL	57	93	150

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	0	1
(a) Med. Unfit	0	12	12
(b) Other Reasons	0	15	15
TOTAL	1	27	28

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
201	1,285	1,486

2. CASUALTIES

Eric Soulus DITMARS, Lieutenant, R.C.N.V.R. reported missing on active service.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	354	391
Other Deaths	4	43	47
TOTAL	41	397	438
Wounded or Injured. . ..	2	65	67
Prisoners of War.	1	1	2

3. OPERATIONS

(a) - At Halifax -

- Arrivals -

(i) H.M.C.S. "AGASSIZ" 24.12.41.

(ii) H.M.C.S. "ANNAPOLIS" from Escort duties 31.12.41.

(iii) H.M.C.S. "ARVIDA" from St. John's, Nfld. 30.12.41.

(iv) H.M.C.S. "BADDECK" from St. John's, Nfld. 28.12.41.

(v) H.M.C.S. "BANFF" from Quebec 25.12.41.

(vi) H.M.C.S. "BITTERSWEET" 24.12.41.

(vii) H.M.C.S. "CALGARY" from Sorel 28.12.41.

(viii) H.M.C.S. "DRUMMONDVILLE" from escort duties 26.12.41.

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(ix) H.M.C.S. "PICTOU" from St. John's, 1.1.42.

(x) H.M.C.S. "ROSTHERN" 28.12.41.

(xi) H.M.S. "ROCKINGHAM" from escort duties 1.1.42.

- Departures -

(xii) H.M.C.S. "ASSINIBOINE" for St. John's, Nfld. 27.12.41.

(xiii) H.M.C.S. "AGASSIZ" for Liverpool, N.S. 27.12.41.

(xiv) H.M.C.S. "ANNAPOLIS" on local escort duties 27.12.41.

(xv) H.M.C.S. "KENOGAMI" for escort duties 29.12.41.

(xvi) H.M.C.S. "SKEENA" for Nfld. 1.1.42.

(xvii) H.M.C.S. "THE PAS" on local escort duties 27.12.41.

- At St. John's -

- Arrivals -

(xviii) Fr. "ACONITE" 29.12.41.

(xix) Fr. "ALYSSE" 27.12.41.

(xx) H.M.C.S. "ARVIDA" from escort duties 24.12.41.

(xxi) H.M.C.S. "ASSINIBOINE" from Halifax 29.12.41.

(xxii) H.M.C.S. "BADDECK" from escort duties 25.12.41.

(xxiii) H.M.C.S. "BUCTOUCHE" from escort duties 30.12.41.

(xxiv) H.M.C.S. "BEVERLEY" from escort duties 30.12.41.

(xxv) H.M.C.S. "COWICHAN" from escort duties 30.12.41.

(xxvi) H.M.C.S. "HEPATICA" from escort duties 1.1.42.

(xxvii) H.M.C.S. "KENOGAMI" from escort duties.

(xxviii) H.M.C.S. "OTTAWA" 24.12.41.

(xxix) H.M.C.S. "PICTOU" 31.12.41.

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(xxx) H.M.C.S. "ROSTHERN" 25.12.41.

(xxxi) H.M.S. "ROXBOROUGH" 30.12.41.

(xxxii) H.M.C.S. "SHERBROOKE" from escort duties 24.12.41.

- Departures -

(xxxiii) Fr. "ALYSSE" on escort duties 1.1.42.

(xxxiv) H.M.C.S. "ASSINIBOINE" on escort duties 26.12.41.

(xxxv) H.M.C.S. "BADDECK" for Halifax 26.12.41.

(xxxvi) Fr. "ACONITE" on escort duties 27.12.41.

(xxxvii) H.M.C.S. "KENOGAMI" 1.1.42.

(xxxviii) H.M.C.S. "NIAGARA" on escort duties 26.12.41.

(xxxix) H.M.C.S. "ROSTHERN" for Halifax 26.12.41.

- At Iceland -

- Arrivals -

(xl) H.M.C.S. "ALGOMA" on escort duties 24.12.41.

(xli) H.M.C.S. "CAMROSE" 29.12.41.

(xlii) H.M.C.S. "SAGUENAY" from escort duties 29.12.41.

(xliii) H.M.C.S. "SHEDIAC" 29.12.41.

(xliv) H.M.C.S. "WETASKIWIN" 29.12.41.

- Departures -

(xlv) H.M.C.S. "ALGOMA" on escort duties 26.12.41.

(xlvi) H.M.C.S. "CHILLIWACK" on escort duties 26.12.41.

(xlvii) H.M.C.S. "DRUMHELLER" on escort duties 26.12.41.

(xlviii) H.M.C.S. "TRAIL" for St. John's, Nfld. 30.12.41.

- At Sydney -

- Arrivals -

(xlix) H.M.C.S. "KAMSACK" from escort duties 31.12.41.

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- Departures -

(1) H.M.C.S. "GRANDMERE" for Pictou 29.12.41.

- At Lunenburg -

- Arrivals -

(li) H.M.C.S. "REINDEER" 31.12.41.

- At Saint John, N.B. -

- Arrival -

(lii) H.M.C.S. "ST. CLAIR" 26.12.41.

. . . . . .

(liii) Cable Ship "CYRUS FIELD" sailed Halifax 26.12.41.

(liv) HX 167 sailed Halifax 27.12.41 escorted by U.S. Ships "MAYO", "SIMPSON", "BABBITT", "SCHENCK", "LEARY" and H.M.C. Ships "ANNAPOLIS", "SASKATOON", "THE PAS".

(lv) S.C. 62 sailed Sydney 27.12.41. escorted by H.M.C. Ships "ASSINIBOINE" "SOREL", "CHICOUTIM ", "KENOGAMI", "COWICHAN", Fr. Ships "ACONITE", "ALYSSE". Local escort H.M.C.S. "LOUISBURG", "SUDBURY", "THUNDER", "GEORGIAN", "NIPIGON".

(lvi) H.M.C.S. "BITTERSWEET" arrived Halifax 24.12.41. Arrived Charleston for refit 31.12.41.

. . . . . .

DIRECTOR OF OPERATIONS DIVISION

H.M.C.S. "PRINCE DAVID" departed Halifax 12th December and arrived Esquimalt 30th December. She is now under the orders of Commanding Officer, Pacific Coast.

H.M.C.S. "PRINCE HENRY" departed Halifax 27th December and arrived Bermuda 29th December for 14 days working up period. Future disposition of this ship has not yet been determined.

H.M.C.S. "PRINCE ROBERT" at present on patrol off the West Coast.

H.M.C.S. "DAUPHIN", this corvette continued with S.C. 60 to United Kingdom instead of prodeeding with remainder of escort unit to Iceland. She is being sailed as additional escort for ON 53.

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H.M.C.S. "SOREL" is escorting S.C. 62 to prudent limit of endurance thence proceeding to United Kingdom for refit and training at Tobermory.

Further to the Report for week ending December 25th, 1941:-

The rounding up of Japanese Fishing Vessels on the West Coast is proceeding satisfactorily. At present there are 932 at Annacis Island, 179 at Prince Rupert and 7 on the West Coast which have been immobilised. All vessels have been escorted in convoy from their various ports to Annacis Island and Prince Rupert. Those Fishing Vessels which are too small to be sent in convoy are being completely immobilised.

Six of the above vessels have been requisitioned by the Naval Service and are being commissioned as Fishermen's Reserve Patrol Vessels.

Three Corvettes, five Bangor Class Minesweepers, three Armed Yachts and ships of the Fishermen's Reserve are on patrol duty off the West Coast.

. . . . . .

CONVOYS

A convoy comprising 42 ships of which 21 were British, 11 Norwegian, 3 Panamanian, 3 Dutch, 2 U.S., 1 Belgian, 1 Swedish, sailed from Halifax on December 27th under the A/S Escort of U.S. Ships "MAYO, "SIMPSON", "LEARY", "SCHENCK", "BABBITT".

A convoy comprising 31 ships of which 14 were British, 4 Norwegian, 3 Greek, 3 U.S., 3 Panamanian, 1 Dutch, 2 Y/S, 1 Belgian, sailed from Sydney on December 27th under the A/S Escort of H.M. Ships "ACONITE", "ALYSSE", and H.M.C. Ships "ASSINIBOINE", "KENOGAMI", "SOREL", "COWICHAN", "CHICOUTIMI".

There were two independent trans-ocean sailings from the Atlantic Coast this week.

WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and four D.E.M.S. Inspections were carried out this week in the following ports: Halifax (67), Sydney (24), Saint John (13).

(b) Inspections were carried out on 104 ships in Canadian Ports of which 95 were reported as satisfactory; repairs have been carried out on the remainder.

(c) The British Ministry of War Transport New York reported that Degaussing had been installed on 11 ships in United States Ports.

(d) DIRECTOR OF TECHNICAL DIVISION

Trials of H.M.C. Ships carried out as available for week ending December 31st, 1941:

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H.M.C. CORVETTES

"SACKVILLE" — Acceptance and anchor trials successful 29.12.41. Commissioning 30.12.41.

MINESWEEPERS

"FORT WILLIAM" — Launched 30.12.41.

BASE SUPPLY SHIPS

"PROVIDER" — Launched 22.12.41.

(e) DEGAUSSING OFFICER

Degaussing. Considerable quantities of degaussing cable have been forwarded from New York. The necessary cable for degaussing Canadian vessels on the West Coast has been ordered.

A report on the magnetic state of the S.S. "OCEAN VANGUARD" and S.S. "FORT VILLE MARIE" has not yet been received from Halifax. As reported previously, these reports when received will give a comparison between the magnetic state of New Construction Merchant Vessels degaussed in the United States and in Canada.

During the past week repairs were carried out on one (1) H.M.C. Ship and (10) merchant vessels. Two (2) permanent D.G. coils and one (1) semi-permanent D.G. coil were installed. In addition there was one (1) compass corrector coil installation.

Deperming. One (1) ship was depermed in Halifax during the past week.

General. Warrant Officer Richards has been appointed to the staff of Naval Officer-In-Charge, Vancouver for degaussing duties and steps are being taken to have sub-Lieutenant Davidson, now on the degaussing staff in Montreal, appointed as assistant D.G. Range Officer, Vancouver.

During the past week an attempt was made to straighten out the compass corrector coil situation for Naval Vessels. The results obtained were incomplete owing to the fact that compass corrector coils for Naval Vessels building in Canada were spreadthroughoutabout one hundred orders to the manufacturer. It was stated however that all outstanding orders for this equipment, placed by the various shipyards, would be shipped on January 3rd and that forty (40) sets of heeling error coils and resistances for Corvettes wouldbe shipped January 10th.

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Information received in conversation with Doctors Henderson and Johnson of the National Research Council Staff in Halifax indicates that the present systems of degaussing will have to be extensively modified. This is a result of a new mine firing unit brought out by the enemy.

(f) SUPERINTENDENT OF A/S

The total of ships fitted with Asdics, 1941,42, to date is as follows:

Ship	Set	Total
Corvettes	123A	58
Bangor M/S	128	22
Fairmiles	134A	4

As of December 26th, the numbers of non substantive personnel in the Branch were:

	R.C.N.	R.C.N.R.& R.C.N.V.R.	TOTAL
Submarine Detector Instructor	4	-	4
Harbour Submarine Detector	55	32	87
Submarine Detector	90	409	499

(g) R.D.F. OFFICER

Printing of the "Installation and Operation Handbook" CB 04109C (SWIC R.D.F.) is completed. Five hundred copies have been supplied to Naval Distributing Authority for distribution.

Research Enterprises Limited, have made good progress with the SW2C. Shipment in quantity will be made following completion of tests on the first sample, about to be delivered to National Research Council, Ottawa.

The Maintenance trailer for Newfoundland, nears completion. Shipment is now expected to be made on January 20th.

On the West Coast H.M.C.S. "PRINCE ROBERT" has been given maintenance attention, while the two Corvettes undergo fitting with Type SWIC.

Captain Commanding Canadian Ships has reported that the Panoramic Receiver fitted in H.M.C.S. "BRANDON" performed satisfactorily. Production is in progress in Marconi's at Montreal. Fitting of ships will begin in February.

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(h) SENIOR TECHNICIAN: TECHNICAL DIVISION

Dr. Field and Mr. R. Leslie of the National Research Council visited the Senior Technician; Technical Division during the week. Mr. Leslie has just returned from England after working at Vernon on acoustic development. The information and advice he brought will undoubtedly prove very helpful in securing best operation from the Canadian made Hammer Boxes.

Chemical Warfare. A report was submitted by Senior Technician; Technical Division roughly outlining a policy for Air Raid Precaution work. Sub-Lieutenant C.E. Moore left for the Experimental Field Station at Suffield, Alberta to take up his duties as Naval Liaison Officer and Mechnical Engineer.

(i) SUPERINTENDENT OF BOOM DEFENCE

Arrival of "Barge No. 6" at Halifax from Quebec was reported on December 25th, 1941.

Sydney, N.S.- The Anti-Torpedo Net Lifting Operations were completed December 27th, 1941. Work commenced on the Lifting of the Anti-Submarine Boom on December 28th, 1941.

"Derrick Scow No. 3" previously reported as unsatisfactory is reported in operation and working satisfactorily on December 26th, 1941.

Gaspe, P.Q. - The Boom Defence Officer was requested to report on the condition of Net Gear after four months in use. Particular interest was centered in the modifications recently put into effect. No wear on fittings was reported and Cross Connectors did not chafe Rope Units due to precautions taken prior to Laying. All Gear was in a satisfactory condition.

Shelburne, N.S. - The usual Maintenance Work was carried on including replacement of one Fourth Class Buoy and twenty-seven 175-gallon Flotation Barrels on both Gates for servicing ashore.

Esquimalt, B.C.- On the A/S Boom a new Net for No. 1 Position and for Half-Section of Gate was woven and brailed ready for Launching.

Prince Rupert, B.C.- The Office and Stores Building has now been completed. No progress is reported on the Paint Shop.

Progress on the Slab Construction is practically nil.

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The slow progress on this contract is the subject of a letter to Directorate of Works and Buildings urging the early completion of all Prince Rupert work.

Logs for the A/B Boom at Metlakatla Passage have been received at Esquimalt where the Gear for this Boom is to be assembled. Carpenters have commenced construction of forms for the Concrete Mooring Clumps for this A/B Boom.

STORES

The equipment purchased by the Naval Stores amounted this week to $157,241.63.

CHIEFS OF STAFF COMMITTEE

3rd January, 1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 15

Ottawa, 10th January, 1942.

Summary of information Respecting Departmental Activities

SUMMARY NO. 114

(For week ending 10th January)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 8th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	369	3,458	3,827
R.C.N.R.	729	3,995	4,724
R.C.N.V.R.	2,240	17,116	19,356
TOTAL	3,338	24,569	27,907

Increase - 293

(b) Recruiting Activities from January 1st, 1942, to January 8th, 1942.

	Officers	Ratings	TOTAL
R.C.N.	1	1	2
R.C.N.R.	0	48	48
R.C.N.V.R.	22	270	292
TOTAL	23	319	342

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
(a) Med. Unfit	0	11	11
(b) Other Reasons	1	35	36
TOTAL	1	48	49

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N.V.R. from R.C.N.	0	2#	2
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	2	2

- Previous transfer of 2 ratings to R.C.N. cancelled.

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
198	1,206	1,404

2. CASUALTIES

(a) J. George Edmond BLANCHET, Stoker I, V3526, died of natural causes.

(b) William Charles Ansley, Ord. Smn., V16254, died of extensive burns, January 5th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	355	392
Other Deaths.....	4	44	48
TOTAL.....	41	399	440
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "PICTOU" 3.1.42.

(ii) H.M.C.S. "CHILLIWACK" from escort duty 4.1.42.

(iii) H.M.C.S. "CLAYOQUOT_" from escort duty 4.1.42.

(iv) H.M.C.S. "HAMILTON" from escort duty 4.1.42.

(v) H.M.C.S. "RED DEER" 5.1.42.

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(vi) H.M.C.S. "REGINA" 6.1.42.

(vii) H.M.C.S. "BATTLEFORD" 7.1.42.

- Departures -

(viii) H.M.C.S. "HAMILTON" for escort duty 2.1.42.

(ix) Convoy HX 168 escorted by U.S. Ships "BAINBRIDGE", "WOOLSEY", "TRUXTON", "BROOME", "DICKERSON", Local escort composed of H.M.C. Ships "HAMILTON", "CLAYOQUOT", "RED DEER" 2.1.42.

(x) H.M.C.S. "RED DEER" on local escort duty. 2.1.42.

- At St. John's -

- Arrivals -

(xi) H.M.C.S. "HEPATICA" from escort duty. 1.1.42.

(xii) H.M.C.S. "MOOSE JAW" from escort duty. 1.1.42.

(xiii) H.M.C.S. "BARRIE" from escort duty. 3.1.42.

~~(xiv)~~ H.M.C.S. "SKEENA" from Halifax 3.1.42.

(xv) H.M.C.S. "ALGOMA" from escort duty 4.1.42.

(xvi) H.M.C.S. "DRUMHELLER" from escort duty 4.1.42.

(xvii) H.M.C.S. "NAPANEE" from escort duty 4.1.42.

(xviii) H.M.C.S. "SUMMERSIDE" from escort duty 4.1.42.

(xix) H.M.C.S. "TRAIL" from Iceland 4.1.42.

(xx) H.M.C.S. "TRILLIUM" from escort duty 4.1.42.

(xxi) H.M.C.S. "KAMSACK" from escort duty 5.1.42.

(xxii) H.M.C.S. "SHAWINIGAN" from escort duty 5.1.42.

(xxiii) H.M.C.S. "SHERBROOKE" 6.1.42.

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- Departures -

(xxiv) H.M.C.S. "KENOGAMI" for escort duty 1.1.42.

(xxv) H.M.C.S. "PICTOU" 1.1.42.

(xxvi) H.M.C.S. "AMHERST" for escort duty 4.1.42.

(xxvii) H.M.C.S. "COWICHAN" for escort duty 4.1.42.

(xxviii) H.M.C.S. "SKEENA" for escort duty 4.1.42.

(xxix) H.M.S. "CELANDINE" for escort duty 4.1.42.

(xxx) H.M.S. "PRIMROSE" for escort duty 4.1.42.

(xxxi) H.M.C.S. "BATTLEFORD" 5.1.42.

(xxxii) H.M.C.S. "PRESCOTT" on escort duty 5.1.42.

(xxxiii) H.M.C.S. "SHERBROOKE" for Harbour Grace for exercises 6.1.42.

(xxxiv) H.M.C.S. "OTTAWA" for Harbour Grace 6.1.42.

(xxxv) H.M.C.S. "SHAWINIGAN" for patrol 6.1.42.

- At Iceland -

- Arrivals -

(xxxvi) H.M.C.S. "MATAPEDIA" 2.1.42.

(xxxvii) H.M.C.S. "NIAGARA" 2.1.42.

(xxxviii) H.M.C.S. "GALT" from escort duty 3.1.42.

(xxxix) H.M.C.S. "NANAIMO" from escort duty 3.1.42.

(xl) H.M.C.S. "LETHBRIDGE" from escort duty 3.1.42.

- Departures -

(xli) H.M.C.S. "CAMROSE" for escort duty 4.1.42.

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(xlii) Convoy S.C. 63 sailed Sydney 3.1.42. Ocean escort composed of H.M.C. Ships "SKEENA", "AMHERST", "PRESCOTT" and H.M. Ships "PRIMROSE", "POLYANTHUS", "CELANDINE". Local escort composed of H.M.C. Ships "COWICHAN", "LOUISBURG", "GEORGIAN", "MALPEQUE", "KAMSACK", "SHAWINIGAN".

(xliii) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt 3.1.42.

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DIRECTOR OF OPERATIONS DIVISION

H.M.C.S. "PRINCE DAVID" arrived at Esquimalt from Halifax on December 30th.

H.M.C.S. "PRINCE HENRY" after completion of working up at Bermuda on January 13th will be under the operational orders of CINCLANT.

H.M.C.S. "PRINCE ROBERT" returned to Esquimalt January 3rd from a patrol of the West Coast of Vancouver Island and Queen Charlotte Island.

2. On January 2nd, U.S. Destroyer "INGRAM" was detached from O.N. 49 to proceed to the assistance of a Greek merchant ship "DIMITRIOS INGLESSIS" which had lost her rudder about 200 miles East of St. John's, Nfld. Tug "FOUNDATION FRANKLIN" was sent out from Halifax and took "DIMITRIOS INGLESSIS" in tow on January 5th, arriving St. John's January 7th.

3. H.M.C. Corvettes "KAMSACK" and "SHAWINIGAN" sailed from Sydney, N.S., on January 3rd as local escort for S.C. 63. They have been allocated to the Newfoundland Escort Force.

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The two remaining corvettes "LOUISBURG" and "SUDBURY" will be transferred to the Newfoundland Escort Force on completion of local escort for S.C. 64, which will be last convoy sailing from Sydney this season.

4. H.M.C. Corvette "REGINA" sailed from Quebec January 3rd, and arrived Halifax January 6th. She is the last ship sailing from the river this season. This corvette is not yet commissioned, and will complete trials at Halifax.

5. In view of United States' Chief of Naval Operations and Admiralty's report of January 5th, of U-boat activity near St. John's, H.M.C. corvette "SHERBROOKE" is at present employed on anti-submarine patrol in Conception Bay, to protect merchant shipping.

H.M.C. Corvette "SHAWINIGAN" is patrolling to seaward of Bay of Bulls where some merchant ships are anchored.

6. H.M.C. Minesweeper "OUTARDE" which had been carrying out an A/S patrol on the West Coast attacked a submarine 26 miles off Cape Cook on January 1st. Patches of oil were observed after the attack.

7. H.M.C.S. "REINDEER" is to be transferred from Sydney, N.S., to Halifax Sub-command, as from date of departure from Sydney, N.S.

8. On January 1st a troop convoy consisting of S.S. "MORETON BAY" and S.S. "BERGENSFJORD" escorted by H.M. Destroyers "BEVERLY" and "ROCKINGHAM" arrived safely in Halifax.

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CONVOYS

A convoy comprising 38 ships of which 26 were British, 5 Norwegian, 2 Swedish, 1 Greek, 1 Russian, 1 U.S., 1 Panamanian, 1 Dutch sailed from Halifax on January 2nd under the A/S escort of U.S. Ships "BAINBRIDGE", "WOOLSEY", "TRUXTON", "BROOME", "DICKERSON".

A convoy comprising 34 ships of which 19 were British, 6 Norwegian, 2 Swedish, 2 U.S., 1 Russian, 2 Greek, 1 Dutch, 1 Belgian sailed from Sydney on January 3rd under the A/S escort of H.M.C. Ships "SKEENA", "AMHERST", "PRESCOTT" and H.M. Ships "POLYANTHUS", "PRIMROSE", "CELANDINE".

There were no independent trans-ocean sailings this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Seventy-two D.E.M.S. inspections were carried out this week in the following ports: Halifax (51), Sydney (12), Saint John (9).

(b) Information in connection with arming etc. has been received regarding the following ships:

"NANDI"	3" gun mounted	Saint John
"KOLL"	3" " "	Sydney
"MONTCALM"	3" " "	Halifax
"FORT AMHERST"	3" " "	Halifax
"RAMO"	3" " "	Halifax
"GRANVILLE"	4" " "	Esquimalt
"GRENANGER"	In hand arming	Esquimalt
"BAGHDAD"	" " "	Esquimalt
"KINGSLEY"	" " "	Esquimalt

(c) The degaussing equipment of 70 ships was inspected this week in Canadian Ports: 63 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported that Degaussing had been installed on 11 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of New Construction building for the R.C.N. include:-

H.M.C. CORVETTES

"REGINA" Full Power and Acceptance Trials at Halifax 8.1.42
"NEW WESTMINSTER" Basin Trials 9.1.42

FAIRMILES

"Q-065" Acceptance Trial 7.1.42

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

Normal operations proceed according to schedule.

(g) SUPERINTENDENT OF A/S

One Minesweeper and 5 Fairmiles have been fitted with A/S. Equipment for Botwood Harbour Defence Asdic Station is now being

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assimilated at Halifax and held in readiness for shipment and installation as soon as weather permits; power units have already been turned over to the M.G. Cape Company for installation; latest information from Army Headquarters indicates that accommodation is ready for personnel and equipment.

At Sydney Harbour Defence Asdic Station instruments have been installed and buildings completed; Station will go into operation when the port opens and Harbour Defence Asdic unit and tail cables are laid.

(h) R.D.F. OFFICER

Representatives of the 3 Services and the National Research Council attended a special meeting of the Interservices R.D.F. Committee; it was recommended among other details, that separate coast defence R.D.F. stations be installed for each of the 3 Services. The R.C.N. is affected due to its connection with the Coast Defence Station at Duncan's Cove.

Corvettes fitted with R.D.F. number 20.

A demonstration of the first hand-made model will be given on January 12 which will incorporate motor control built into the SW-IC unit without any additional panels or gear in the R.D.F.office.

Attention has been given to the request of the Netherlands Commission to purchase 8 SW-IC sets for installation in their motor boats.

(i) RESEARCH LIAISON OFFICER

The Research Liaison Officer acted as observer for the Diffusion Lighting Trials carried out in the vicinity of Boston, Mass. on the second and third of January.

At the request of Dr. Bowles of the Radiation Laboratory at Massachusetts Institute of Technology, Research Liaison Officer investigated Project "C" concerning Long Range Navigation.

(j) SUPERINTENDENT OF BOOM DEFENCE

The unfavourable situation with respect to a suitable maintenance vessel for Halifax boom defence work is now changed, Derrick No. 7 being now available.

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At Sydney, N.S. the Anti-Submarine net lifting operations were completed January 2nd; A/S and A/T net installations are now weighed and stowed ashore; while the A/S installation at Gaspe is weighed for the winter months.

At Prince Rupert progress on buildings and slab construction is still very slow and far from satisfactory. No reply has been received from the Director of Works and Buildings (Naval) to a memorandum urging early completion of this contract.

(k) DEGAUSSING OFFICER

Four permanent DG installations were completed, repairs on 10; 3 semi-permanent equipment were installed, repairs made 1; compass corrector coils were fitted on 3 vessels; 2 ships were depermed.

STORES

5. The equipment purchased by the Naval Stores amounted this week to $210,979.00.

CHIEFS OF STAFF COMMITTEE

January 10th, 1942.

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 16

Ottawa, 17th January, 1942.

Summary of information Respecting Departmental Activities

SUMMARY NO. 115

(For week ending 17th January)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 15th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	371	3,462	3,833
R.C.N.R.	731	4,011	4,742
R.C.N.V.R.	2,274	17,167	19,441
TOTAL	3,376	24,640	28,016

Increase 109

(b) Recruiting Activities from January 8th, 1942, to January 15th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	3	6
R.C.N.R.	3	18	21
R.C.N.V.R.	37	66	103
TOTAL	43	87	130

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties	(See Sec.2)	1	0	1
	(a) Med. Unfit	1	11	12
	(b) Other Reasons	3	5	8
TOTAL		5	16	21

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.V.R. from R.C.N.R.	1	0	1
TOTAL	1	1	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
191	1,237	1,428

2. CASUALTIES

H.G. ELLIS, Lieut., R.C.N.V.R. died of fractured skull, January 12th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	355	392
Other Deaths.....	5	44	49
TOTAL.....	42	399	441
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "SACKVILLE" from Saint John, N.B., 12.1.42.

(ii) H.M.C.S. "SASKATOON" from escort duty 12.1.42.

(iii) H.M.C.S. "ANNAPOLIS" from escort duty 13.1.42.

(iv) H.M.C.S. "OAKVILLE" from escort duty 13.1.42.

(v) H.M.C.S. "RED DEER" from patrol duty 13.1.42.

(vi) H.M.C.S. "THE PAS" from escort duty 13.1.42.

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- Departures -

(vii) H.M.S. "ROXBOROUGH" for Charleston 9.1.42.

(viii) Convoy HX 169 under ocean escort of "WILKES", "ROPER", "MADISON", "STURTEVANT", "JACOB JONES". Local escort of H.M.C Ships "ANNAPOLIS", "SASKATOON", "THE PAS", "OAKVILLE" 8.1.42.

(ix) H.M.C.S. "ANNAPOLIS" for escort duty 8.1.42.

(x) H.M.C.S. "GODERICH" for escort duty 13.1.42.

(xi) H.M.C.S. "QUINTE" for escort duty 13.1.42.

(xii) H.M.C.S. "RIMOUSKI" for escort duty 13.1.42.

(xiii) H.M.C.S. "ST. LAURENT" for escort duty 13.1.42.

(xiv) Convoy HX 170 under ocean escort of U.S. Ships "NIBLACK", "HAMILTON" "OVERTON", "TARBELL". Local escort of H.M.C. Ships "ST. LAURENT", "RIMOUSKI", "GODERICH", "QUINTE", "CLAYOQUOT", "WEYBURN" 13.1.42.

- At St. John's -

- Arrivals -

(xv) H.M.C.S. "COWICHAN" from patrol 8.1.42.

(xvi) H.M.C.S. "SUMMERSIDE" from patrol 9.1.42.

(xvii) H.M.C.S. "SHAWINIGAN" from patrol 13.1.42.

(xviii) H.M.C.S. "TRILLIUM" from patrol 13.1.42.

(xix) H.M.C.S. "MINAS" from escort duty 14.1.42.

(xx) H.M.C.S. "NAPANEE" from patrol 14.1.42.

(xxi) H.M.C.S. "THUNDER" from escort duty 14.1.42.

(xxii) H.M.C.S. "SAGUENAY" from escort duty.

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- Departures -

(xxiii) H.M.C.S. "BARRIE" for escort duty 10.1.42.

(xxiv) H.M.C.S. "BUCTOUCHE" for escort duty 10.1.42.

(xxv) H.M.C.S. "HEPATICA" for escort duty 10.1.42.

(xxvi) H.M.C.S. "MOOSE JAW" for escort duty 10.1.42.

(xxvii) H.M.C.S. "OTTAWA" for escort duty 10.1.42.

(xxviii) H.M.C.S. KAMSACK" for patrol 14.1.42.

(xxix) H.M.C.S. "MINAS" for patrol 14.1.42.

(xxx) H.M.C.S. "NAPANEE" for patrol 14.1.42.

(xxxi) H.M.C.S. "THUNDER" for patrol 14.1.42.

(xxxii) H.M.C.S. "SHERBROOKE" for escort duty 14.1.42.

- At Iceland -

- Arrivals -

(xxxiii) H.M.S. "ACONITE" from escort duty 11.1.42.

(xxxiv) H.M.C.S. "ASSINIBOINE" from escort duty 11.1.42.

(xxxv) H.M.C.S. "CHICOUTIMI" from escort duty 11.1.42.

(xxxvi) H.M.C.S. "KENOGAMI" from escort duty 11.1.42.

- Departures -

(xxxvii) H.M.C.S. "CLAYOQUOT" for escort duty 13.1.42.

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(xxxviii) H.M.S. "ROXBOROUGH" arrived Charleston 12.1.42.

(xxxix) H.M.C.S. "EYEBRIGHT" sailed Charleston, S.C. for Halifax 14.1.42.

(xl) H.M.C.S. "FENNEL" sailed U.K. for escort duty 14.1.42.

(xli) Convoy S.C. 64 sailed Sydney under Ocean escort of H.M.C. Ships "OTTAWA"

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"SHERBROOKE", "HEPATICA", "BARRIE", "BUCTOUCHE", "MOOSE JAW", and local escort of H.M.C Ships "NIPIGON", "LOUISBURG", "SUDBURY", "MINAS" 9.1.42.

.....

CONVOYS

A convoy comprising 41 ships in which 20 were British, 10 Norwegian, 8 Dutch, 1 Panamanian, 1 Russian, 1 Belgian, sailed from Halifax on January 8th under the A/S Escort of U.S. Ships "WILKES", "ROPER", "MADISON", "STURTEVANT", "JACOB JONES".

A convoy comprising 29 ships of which 17 were British, 2 Norwegian, 3 Panamanian, 2 U.S., 1 Greek, 2 Belgian, 1 Swedish, 1 Y/S sailed from Sydney on January 9th under the A/S Escort of H.M.C. Ships "OTTAWA", "MOOSE JAW", "SHERBROOKE", "HEPATICA", "BARRIE", "BUCTOUCHE".

A convoy comprising 31 ships of which 18 were British, 7 Norwegian, 3 Swedish, 2 U.S., 1 Dutch sailed from Halifax on January 13th under the A/S Escort of U.S. Ships "NIBLACK", "OVERTON", "HAMILTON", "TARBELL".

There was one independent trans-ocean sailing from the Atlantic Coast.

NOTE: Convoy which sailed December 15th should read: A convoy comprising 47 ships of which 28 were British, 10 Norwegian, 5 Dutch, 3 Swedish, 1 Panamanian, 1 Icelandic, sailed from Halifax on December 15th under the A/S Escort of U.S. Ships "SWANSON", "BUCK", "McCORMICK", "GREER".

.....

DIRECTOR OF OPERATIONS DIVISION

1. Weather in Atlantic

During the past week, very heavy weather has been encountered in the North Atlantic and winds of hurricane force have been experienced by most convoys. As a result, convoys have become badly scattered, and a large number of escort vessels, particularly destroyers, have suffered heavy weather damage.

There have also been a number of distress messages from Merchant Ships, details of which are given below.

2. Damage to Escorts

On the 10th of January, H.M.C.S. "SAGUENAY" while escorting convoy O.N. 52, received heavy weather damage, and the convoy

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was scattered. "SAGUENAY" has arrived safely in St. John's, Nfld.

On the same day, H.M.C.S. "SKEENA", escorting convoy S.C. 63 was badly damaged by weather and forced to return to St. John's, Nfld. The extent of the damage to "SKEENA" is considerable.

On the 12th of January, H.M.C.S. "NIAGARA", escorting convoy O.N. 54, reported the convoy badly scattered. "NIAGARA" escorted S.S. "TRITON", which was damaged, to Belfast.

On the 12th of January, H.M.S. "PRIMROSE", escorting S.C. 63, reported she was damaged, and was escorting 3 merchant ships to the United Kingdom.

On the 12th of January, H.M.S. "KIWI", who was accompanying O.N. 52 was damaged. H.M.C.S. "CAMROSE" was ordered to stand by her.

3. Damage to Merchant Ships

During the period from the 10th to the 13th of January, the following Merchant Ships sent out distress messages:

1. "NIKOLINA MATKOVIC", position 52° N., 46° W.
2. "EMPIRE FRANKLIN", position 54° 15' N., 45° 33' W.
3. "AFRICANDER", position 12 miles 082° from Cape Race.
4. "SURREY", position 50° 15' N., 35° 40' W.
5. "TUNGSHAW", position 56° 30' N., 36° 00' W.

4. U-Boat Activities in the Western Atlantic

During the past week German U-Boats have extended their activities further west and south, and ships have been sunk off the coasts of Newfoundland, Nova Scotia, and the New England States.

The following list gives the names and positions of the ships sunk:

Time	Name of Ship	Position	Remarks
0002Z/12	"CYCLOPS" (Br.)	(41° 51'N, 63° 48'W.)	170 mi. S. of Halifax.
2344Z/14	"DAYROSE" (Br.)	Close to Cape Race	
0650Z/14	"NORNESS" (U.S.A.)	(40° 28' N. 70° 50' W.)	60 mi. S.W. Nantucket.

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In addition to the above, several attacks on U-Boats have been carried out by aircraft and A/S vessels.

H.M. Minesweepers "RED DEER" and "BURLINGTON" were sent to the position on which "CYCLOPS" was sunk, but could obtain no Asdic contact. "RED DEER" picked up 89 survivors.

H.M.C. Ships "NAPANEE", "THUNDER" and "MINAS", were sent from St. John's, to search in the vicinity in which "DAYROSE" was sunk, but have reported no contact.

5. Pacific Coast

Operational patrols are being carried out on the Pacific Coast by all available corvettes, minesweepers, and Fishermen's Reserve Vessels, in addition to H.M.C. Auxiliary Cruisers "PRINCE ROBERT" and "PRINCE DAVID".

H.M.S. "WARSPITE", which has recently completed a refit at Bremerton navy yards, is carrying out working up exercises off Nanoose Bay. H.M.C. Corvettes "EDMUNSTON" and "DAWSON" are providing A/S escort for "WARSPITE".

6. General

H.M.S. "QUEEN OF BERMUDA", who was sailing as ocean escort for a convoy from Halifax, grounded on Mars Rock, while leaving harbour She was refloated successfully, but will require repair.

H.M.C. Auxiliary Cruiser "PRINCE HENRY" was placed in the operational control of C. in C. Atlantic, from A.M. 13th of December. She has been allocated to A/S Task group 6.3.

4. **WORKS**

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety-four D.E.M.S. inspections were carried out this week in the following ports: Halifax (65), Sydney (19), Saint John (10).

(b) Information in connection with arming etc. has been received regarding the following ships:-

"FORT TOWNSEND"	3" gun mounted	Halifax
"ERICUS"	In hand arming	"
"FORT VILLE MARIE"	In hand arming	"

(c) The degaussing equipment of 93 ships was inspected this week in Canadian Ports; 88 were reported as satisfactory; repairs have been carried out on the remainder.

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(d) The British Ministry of War Transport, New York, reported that Degaussing had been installed on 11 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

No trials of New Construction were necessary during the week.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

With regard to magnetic and acoustic minesweeping, a start has been made on the installation of Sweeping Acoustic gear type "C" in H.M.C.S. "DRUMMONDVILLE".

Engineering assistance was given in connection with the erection of a pilot chemical manufacturing plant to be placed in National Research Council Annex for chemical warfare work.

There was an informal talk at National Research Council on Air Raid Precaution by Professor Southwell of Oxford University.

At the metallurgical laboratory the help of the experts was sought in the matter of the specification of bearing metals and bronzes to reduce the use of tin.

(g) SUPERINTENDENT OF A/S

The training of A/S ratings at technical schools is again under consideration.

(h) R.D.F. OFFICER

The number of Corvettes fitted to date is 20; work is proceeding on an additional number; 2 are nearing completion.

A Liaison Officer has been sent to the Canadian Marconi Company to investigate progress with the Panoramic Receiver; he reports that a quantity of these sets will be ready this month.

A further examination has been made of the characteristics of an installation comprising the motor rotator SW2C R.D.F., combined with a built-in electrical range calibrator. The latter is already developed and the first model tested and found satisfactory at Halifax. This overall combination will give us something closely approaching the Admiralty 290.

(i) RESEARCH LIAISON OFFICER

The Optical Laboratory has now completed the fitting of one pair of Bausch & Lomb 7 x 50 binoculars with Polaroid Type "H" filters in lens hood mounts. The fitted binoculars have been turned over to the Director of Naval Ordnance for tests as to improvement over unfitted binoculars in aircraft spotting.

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The most recent synthetic armour slabs produced in the laboratory have a weight in the neighbourhood of 26 lbs. per square foot, which is approximately 20% higher than equivalent Armour Plate. The slabs allow penetration of the bullet of only $\frac{3}{4}$" to 1". Slab thickness is approximately $1\frac{3}{4}$".

The Heaviside Layer measurement installation and hut on the road to Old Chelsea have now been completed, and the set is in continuous operation. The equipment was built in the National Research Council laboratories, and funds for the whole project were allotted from the general National Research Council Naval fund.

Most of the high frequency circuits of the experimental panoramic receiver under construction for the Foreign Intelligence Section are now completed; remaining mechanical work is expected to be finished in 4 weeks' time. Progress on this receiver has been somewhat retarded by the removal of one of the Engine Room Artificers assigned to the task.

(j) SUPERINTENDENT OF BOOM DEFENCE

Boom Defence work at Halifax included the reception of the new electrical hurricane lamps recently ordered for use on all Boom Defence gate opening pontoons; these are proving very satisfactory.

At Shelburne, the Boom Defence Officer and staff have spent more than a week on salvage operations on H.M.C.S. "ADVERSUS". "FOUNDATION MASSON" and tug "ALICE" were used for this purpose.

At Esquimalt construction of log baulks for the A/S boom at Metlakatla Passage is proceeding; 3 baulks have been completed.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $131,754.00.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 24th January, 1942.

Summary of information Respecting Departmental Activities

SUMMARY NO. 116

(For week ending 24th January)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at January 22nd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	372	3,462	3,834
R.C.N.R.	747	4,025	4,772
R.C.N.V.R.	2,277	17,318	19,595
TOTAL	3,396	24,805	28,201

Increase - 185

(b) Recruiting Activities from January 15th, 1942, to January 22nd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	1	1	2
R.C.N.R.	16	35	51
R.C.N.V.R.	10	168	178
TOTAL	27	204	231

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit	2	8	10
(b) Other Reasons	5	30	35
TOTAL	7	39	46

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
197	1,252	1,449

2. CASUALTIES

James Austin WEATHERBIE, Stoker I, A1590 died January 20th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	355	392
Other Deaths	5	45	50
TOTAL.	42	400	442
Wounded or Injured . . .	2	65	67
Prisoners of War	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "EYEBRIGHT" from Charleston 17.1.42.

(ii) H.M.C.S. "GODERICH" from escort duty 17.1.42.

(iii) H.M.C.S. "NIPIGON" from Sydney 17.1.42.

(iv) H.M.C.S. "HAMILTON" from St. John's, 19.1.42.

(v) H.M.C.S. "PRESCOTT" from St. John's, 19.1.42.

(vi) H.M.C.S. "QUINTE" from escort duty 19.1.42.

(vii) H.M.C.S. "SAGUENAY" from St. John's, 19.1.42.

(viii) H.M.S. "FIREDRAKE" from Boston 20.1.42.

(ix) H.M.S. "BELMONT" from St. John's, 21.1.42.

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- Departures -

(x) H.M.C.S. "ANNAPOLIS" for escort duty 17.1.42.

(xi) H.M.C.S. "BURLINGTON" for escort duty 17.1.42.

(xii) H.M.C.S. "KAMLOOPS" for escort duty 17.1.42.

(xiii) H.M.C.S. "LUNENBURG" for escort duty 17.1.42.

(xiv) Convoy S.C. 65, ocean escort H.M.C. Ships "ST. LAURENT", "RIMOUSKI", "KAMSACK", "NAPANEE", "TRAIL", "TRILLIUM", local escort H.M.C. Ships "MINAS", "ANNAPOLIS", "THE PAS", "LUNENBURG", "BURLINGTON", "RED DEER", "HALIFAX", "FREDERICTON", "KAMLOOPS" 17.1.42.

(xv) H.M.C.S. "CLAYOQUOT" for escort duty 20.1.42.

(xvi) H.M.C.S. "FREDERICTON" for escort duty 20.1.42.

(xvii) H.M.C.S. "HAMILTON" for escort duty 20.1.42.

(xviii) H.M.C.S. "SASKATOON" for escort duty 20.1.42.

(xix) H.M.C.S. "WEYBURN" for escort duty 20.1.42.

(xx) H.X. 171, ocean escort of U.S. Ships "DALLAS", "GLEAVES", "UPSHUR", "INGHAM". Local escorts H.M.C. Ships "HAMILTON", "SASKATOON", "CLAYOQUOT", "FREDERICTON", "WEYBURN" 20.1.42.

(xxi) H.M.C.S. "EYEBRIGHT" for escort duty 23.1.42.

- Arrivals -

- At St. John's -

(xxii) H.M.S. "HARVESTER" from Bermuda 16.1.42.

(xxiii) H.M.S. "HIGHLANDER" from Bermuda 16.1.42.

(xxiv) H.M.S. "LIGHTNING" from Bermuda 16.1.42.

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(xxv) H.M.C.S. "MALPEQUE" from escort duty 16.1.42.

(xxvi) H.M.C.S. "SHEDIAC" from escort duty 16.1.42.

(xxvii) H.M.C.S. "SPIKENARD" from escort duty 16.1.42.

(xxviii) H.M.C.S. "THUNDER" from patrol 16.1.42.

(xxix) H.M.C.S. "DAUPHIN" from escort duty 18.1.42.

(xxx) H.M.C.S. "LOUISBURG" from escort duty 18.1.42.

(xxxi) H.M.C.S. "MATAPEDIA" from escort duty 19.1.42.

(xxxii) H.M.C.S. "SUDBURY" from escort duty 19.1.42.

(xxxiii) H.M.C.S. "GALT" from escort duty 19.1.42.

(xxxiv) H.M.C.S. "COWICHAN" from Halifax 21.1.42.

(xxxv) H.M.C.S. "CAMROSE" from escort duty.

- Departures -

(xxxvi) H.M.C.S. "DRUMHELLER" for patrol 16.1.42.

(xxxvii) H.M.C.S. "MALPEQUE" on patrol 16.1.42.

(xxxviii) H.M.C.S. "THUNDER" for Sydney 16.1.42.

(xxxix) H.M.S. "HARVESTER" 18.1.42.

(xl) H.M.S. "HIGHLANDER" 18.1.42.

(xli) H.M.S. "LIGHTNING" 18.1.42.

(xlii) H.M.C.S. "SUMMERSIDE" for Halifax 18.1.42.

(xliii) H.M.C.S. "GEORGIAN" on escort and patrol duty 19.1.42.

(xliv) H.M.C.S. "NAPANEE" for escort duty 19.1.42.

(xlv) H.M.C.S. "RIMOUSKI" for escort duty 19.1.42.

(xlvi) H.M.C.S. "ST. LAURENT" for escort duty 19.1.42.

(xlvii) H.M.C.S. "TRAIL" for escort duty 19.1.42.

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(xlviii) H.M.C.S. "MINAS" for escort duty 20.1.42.

(xlix) H.M.C.S. "KAMSACK" for escort duty 20.1.42.

(l) H.M.C.S. "SUDBURY" for escort duty 20.1.42.

(li) H.M.C.S. "TRILLIUM" for escort duty 20.1.42.

- At Iceland ..

- Departures ..

(lii) H.M.C.S. "ASSINIBOINE" for St. John's, Nfld. 17.1.42.

(liii) H.M.C.S. "CHICOUTIMI" for St. John's, Nfld. 17.1.42.

(liv) H.M.C.S. "LETHBRIDGE" for St. John's, Nfld. 17.1.42.

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(lv) H.M.C.S. "ALBERNI" arrived Saint John, N.B. from Halifax 20.1.42.

(lvi) H.M.C.S. "ARVIDA" arrived Saint John, N.B. from Halifax 20.1.42.

(lvii) H.M.C.S. "COBALT" arrived Saint John, N.B. from Halifax 20.1.42.

(lviii) H.M.C.S. "COLLINGWOOD" arrived Saint John, N.B. from Halifax 20.1.42.

(lix) H.M.C.S. "ST. CLAIR" departed Saint John, N.B. for Halifax 21.1.42.

(lx) H.M.C.S. "THUNDER" arrived Sydney from St. John's, Nfld. 19.1.42.

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DIRECTOR OF OPERATIONS DIVISION

U BOAT ACTIVITIES IN THE WESTERN ATLANTIC

During the past week German U Boats have been operating further South and West and in greater numbers than at any time since the outbreak of war. Ships have been sunk off the coasts of Newfoundland, Nova Scotia and U.S. Atlantic Coast..

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The following is a list of ships sunk,-

TIME	NAME	PLACE	DETAILS
2200Z/12	FRISCO (Nor)	44° 50' N 60° 20' W	6 survivors picked up by "JOANES" (Dan)
0900Z/13	FRIAR ROCK (Br)	45° 35' N 57° 45' W	7 survivors picked up by H.M.S. "MONTGOMERY"
0800Z/15	COIMBRA (Br)	40° 25' N 72° 21' W	65 miles east of Ambrose 10 survivors picked up by U.S. Destroyer.
/18	ELLEN JONES (U.S.)	35° 55' N 74° 22' W	
0740Z/18	ALLAN JACKSON (U.S.)	35° 00' N 74° 22' W	12 survivors picked up by U.S.S. "ROE".

The following is a list of ships attacked,-

On January 16th, "TOORAK" (Nor.) was torpedoed just west of St. John's, but reached port.

On January 19th "BARON" (Br) was torpedoed 420 miles South East of Cape Race. H.M. Rescue Tug "PRUDENT" escorted by H.M.C.S. "SUDBURY" have gone to her assistance.

On January 19th, S.S. "MALAY" (U.S.) was shelled by submarine 10 miles south of Wimble Shoal Buoy. She has since reached port.

On January 19th, "KOSMOS 11" reported being chased by a submarine 20 miles off Cape Hatteras. Later made signal that submarine appeared to be in difficulties and she was following it.

On January 19th, S.S. "TIDEWATER" (U.S.) a tanker was attacked by torpedoes. Damage as yet unknown.

On January 20th "HAVORN" (Nor.) was attacked by submarine 60 miles south of Cape Race. Submarine fired two torpedoes and missed. Two U.S. Destroyers and Aircraft were sent to search.

ATTACKS ON U BOATS IN WESTERN ATLANTIC

Several attacks on U Boats have been made by aircraft and A/S Vessels.

On January 12th H.M.C. Minesweeper "CHEDABUCTO" sighted and attacked a submarine in 44° 06' N, 18 W at 1632. Results of attack are unknown.

On January 16th, a submarine was sighted and machine gunned by fighter aircraft 10 miles east of Sambro Light Vessel. H.M.C.S. "NIPIGON" obtained contact and attacked. Result of attack unknown.

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On January 16th, aircraft sighted a submarine 1 mile east of Sambro Light Vessel. Attack was made by 2 A/S Vessels. The search is still continuing.

On January 21st, a Catalina Flying Boat sighted and attacked a submarine about 100 miles south east of Sydney. Oil bubbles were observed. Aircraft guided H.M.C.S. "HAMILTON" to the position of the submarine and A/S search is now being carried out.

PACIFIC COAST

All available corvettes, minesweepers, Fishermen's Reserve Vessels in addition to H.M.C. Auxiliary Cruisers, "PRINCE ROBERT", and "PRINCE DAVID" are carrying out patrols on the West Coast.

GENERAL

H.M.S. "ARCHER" disabled as result of collision in 031° 39 N, 074° 18', was towed to Charleston, S.C. by United States Fleet Tug "CHEROKEE". On request air protection was provided by U.S. Authorities.

An east bound troop convoy escorted by H.M. Destroyers "MONTGOMERY" and "BELMONT" has arrived safely in Halifax.

N.A.1 a west bound troop convoy consisting of two ships under escort of H.M.S. "ROCKINGHAM" and "BEVERLY" arrived in U.K. H.M.C.S. "HAMILTON" acted as relief escort as far as the Western Rendezvous. H.M.S. "QUEEN OF BERMUDA" who was to have been ocean escort grounded on Mahars Rock and returned to Halifax.

On January 11th C.G. Icebreaker "MONTCALM" being sold to the Russian government, sailed for the White Sea Area.

On January 12th, she reported making water rapidly and required immediate assistance. H.M.C. Minesweepers "GODERICH" and "MAHONE" have proceeded to her position, which is about 50 miles south east of Halifax, to render assistance.

On January 18th, S.S. "EMPIRE KINGFISHER" en route to Halifax struck a submerged object 4½ miles from Bar Light Vessel. At first damage was not considered serious and ship proceeded but it soon became apparent that the entire double bottom of the ship was leaking and she later sank off Bantam Rocks. H.M.C.S. "LYNX" which proceeded to help the "EMPIRE KINGFISHER" landed the entire crew and passengers.

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On January 18th, the S.S. "CAROLUS" (Finn.) reported that she was caught in the ice about 14 miles S.E. of Belle Isle. Arrangements are being made to send either the ice breaker "SAUREL" from Sydney or the "KYLE" from St. John's, Newfoundland.

. . . . . .

CONVOYS

A slow convoy comprising 37 ships of which 19 were British, 6 Norwegian, 5 Greek, 3 Panamanian, 1 Dutch, 1 Russian, 1 Polish, 1 Honduras sailed from Halifax on January 17th under the A/S Escort of H.M.C. Ships "ST. LAURENT", "RIMOUSKI", "KAMSACK", "NAPANEE", "TRAIL", "TRILLIUM".

A convoy comprising 41 ships of which 25 were British, 10 Norwegian, 2 Swedish, 1 Dutch, 1 Belgian, 1 U.S.S.R., 1 Panamanian sailed from Halifax on January 20th under the A/S Escort of U.S. Ships "DALLAS", "GLEAVES", "UPSHUR", "INGHAM".

There were no independent trans-ocean sailings this week.

. . . . . .

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred D.E.M.S. Inspections were carried out this week in the following ports: Halifax (66), Sydney (18), Saint John (16).

(b) Information in connection with arming, etc. has been received regarding the following ships:-

"RADBURY"	3" gun mounted	St. John
"AUN"	3" gun mounted	Halifax
"MOYRA"	In hand arming	Halifax
"LIEUT. ST. LOUBERT BIE"	In hand arming	Halifax
"OREGON EXPRESS"	In hand arming	Esquimalt

(c) The degaussing equipment of 96 ships was inspected this week in Canadian ports; 88 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported that Degaussing had been installed on 13 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

No trials of New Construction were necessary during the week.

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(f) R.D.F. OFFICER

R.D.F. Officer with Lieut. Cmdr. Fife of Engineer-in-Chief's Branch visited Collingwood Shipyards acting as a record party for the Executive R.D.F. Committee to decide if the space allotted for R.D.F. in the extended forecastle Corvettes was adequate, though evidently from the drawings the minimum that could be permitted.

Final plans were made for a party to leave for Halifax to test the first R.D.F. beacon and the R.I.S. device known as Project 8 and Project 10. S/Lt. Palmatier will act as the Service representative.

Project #12, Development of the 10 Cm. set plus the British type 271 is now being compared with the component parts of the Canadian SS2C. It is intended to invite the U.S. representatives to examine the 271 with a view to possible production on this continent. In the meantime close attention is being given to the progress of the American 10 Cm. in Boston.

(g) RESEARCH LIAISON OFFICER

The salt water evaporator proposed by Dr. Stedman of the National Research Council has been investigated by the Engineering staff of the Dominion Rubber Company in Montreal. This Company reports that they consider the device to be capable of construction in a practical manner, and have already made several minor improvements on Dr. Stedman's design. The Dominion Rubber Company now propose to present their recommendations to the R.C.N. to determine the next step in this matter.

The Optical shop has completed construction of the glass bar base type of station keeper. The instrument is now being calibrated for test under service conditions.

(h) SUPERINTENDENT OF BOOM DEFENCE

H.M.C.S. "PRINCE DAVID" fouled the Net on leaving Harbour at the Harbour End of No. 1 Trot. The "Gate Closing Vessel No. 8" and Trot Mooring were dragged in a Southerly direction. A diving party from R.C.N.B. is examining the Nets for damage.

(i) DEGAUSSING OFFICER

During the past two weeks the following D.G. work has been carried out:

Permanent installations on Merchant Ships 4

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Semi-permanent installations of Merchant Ships	3
Repairs carried out on Merchant Vessels	12
Repairs carried out on H.M.C. Ships	3
Compass corrector coil installations	4
Vessels depermed at Halifax	8

Information received from Admiralty indicates that turbo drive generators previously used on Merchant Vessels for degaussing purposes have proven unsatisfactory and the various D.G. ports have been instructed to discontinue their use.

The O'Brien Lighting Company of Saint John, N.B., at its own request, is being removed from the list of contractors on the Emergency Repair Agreement and consequently this firm will no longer be doing D.G. work on the East Coast.

A plan of the Vancouver D.G. Range, showing location of coils and Instrument Hut, has been received and a copy forwarded to Commanding Officer Atlantic Coast for information.

As regards the supply of photographic paper for D.G. Ranges, investigation by the Department of Munitions and Supply indicates that there will be no trouble in this respect. Difficulties to date have probably been due to the fact that orders were being placed with a small local camera ship. To avoid further trouble it has been recommended that a six months supply be placed with the Head Office in Toronto but as yet Commanding Officer Atlantic Coast has not forwarded his comments on this procedure.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $357,279.51.

6. GENERAL

On January 16th the officers of National Defence Headquarters entertained representatives of the Foreign Military Mission at dinner in the Quebec Suite of the Chateau Laurier. Among the 37 officers present were Paymaster Lieutenant Commander C.J. Dillon, R.C.N.V.R., Lieutenant W.S. Samuel, R.N.V.R., Lieutenant C.H. Little, R.C.N.V.R., representing the Naval Service and representatives from the forces of the United States, Poland, Free France, Belgium, Norway, Czechoslovakia, and the Netherlands.

CHIEFS OF STAFF COMMITTEE

24th January,
1 9 4 2.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 31st January, 1942.

Summary of information Respecting Departmental Activities

SUMMARY NO. 117

(For week ending 31st January)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as January 29th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	375	3,463	3,838
R.C.N.R.	757	4,047	4,804
R.C.N.V.R.	2,324	17,619	19,943
TOTAL	3,456	25,129	28,585
		Increase	384

(b) Recruiting Activities from January 22nd, 1942 to January 29th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	10	31	41
R.C.N.V.R.	48	318	366
TOTAL	61	349	410

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	1	1
(a) Med. Unfit	1	6	7
(b) Other reasons	0	18	18
TOTAL	1	25	26

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
199	1,158	1,357

2. CASUALTIES

Simon J. THIBODEAU, Ord. Smn., V2555, drowned January 22nd, 1942 while serving in H.M.C.S. "ANDRE DUPRE".

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	356	393
Other Deaths.....	5	45	50
TOTAL	42	401	443
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "SASKATOON" from escort duty 23.1.42.

(ii) H.M.C.S. "WEYBURN" from escort duty 23.1.42.

(iii) H.M.C.S. "WETASKIWIN" from St. John's, Nfld. 24.1.42.

(iv) H.M.C.S. "CAMROSE" from patrol 24.1.42.

(v) H.M.C.S. "LYNX" from patrol 25.1.42.

(vi) H.M.C.S. "ANNAPOLIS" from escort duty 27.1.42.

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(vii) H.M.C.S. "DUNVEGAN" from escort duty 27.1.42.

(viii) H.M.C.S. "GALT" 27.1.42.

(ix) H.M.C.S. "MIDLAND" from patrol 27.1.42.

(x) H.M.C.S. "NIPIGON" from escort duty 27.1.42.

(xi) H.M.C.S. "QUINTE" from escort duty 27.1.42.

(xii) H.M.C.S. "ST. CLAIR" from escort duty 27.1.42.

(xiii) H.M.C.S. "SKEENA" from St. John's, Nfld. 27.1.42.

(xiv) H.M.C.S. "GANAGOQUE" from escort duty 28.1.42.

(xv) H.M.C.S. "FREDERICTON" from patrol 28.1.42.

- Departures -

(xvi) H.M.C.S. "BATTLEFORD" for Liverpool, N.S., 24.1.42.

(xvii) S.C. 66 escorted by H.M.S. "BURNHAM" and H.M.C. Ships "DRUMHELLER", "SHAWINIGAN", "ALGOMA", "SUMMERSIDE", "EYEBRIGHT", "SHEDIAC" 25.1.42.

(xviii) HX 172 escorted by U.S. Ships "SWANSON", "BUCK", "McCORMICK", "DUPONT", "HERBERT", Local escort H.M.C. Ships "ANNAPOLIS", "THE PAS", "LUNENBURG", "DUNVEGAN", "RED DEER" 26.1.42.

(xix) H.M.C.S. "CHEDABUCTO" for escort duty 27.1.42.

(xx) H.M.C.S. "ORILLIA" for Liverpool, N.S. 27.1.42.

- At St. John's -

- Arrivals -

(xxi) H.M.C.S. "GEORGIAN" from escort duty 23.1.42.

(xxii) H.M.C.S. "LETHBRIDGE" from escort duty 23.1.42.

(xxiii) H.M.C.S. "COWICHAN" from escort duty 23.1.42.

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(xxiv) H.M.C.S. "CHICOUTIMI" from escort duty 24.1.42.

(xxv) H.M.C.S. "ASSINIBOINE" from escort duty 26.1.42.

(xxvi) H.M.C.S. "EYEBRIGHT" 26.1.42.

(xxvii) H.M.C.S. "SUDBURY" from escort duty 26.1.42.

(xxviii) H.M.S. "PRUDENT" from patrol 26.1.42.

(xxix) H.M.S. "BURNHAM" from escort duty 27.1.42.

(xxx) H.M.S. "NASTURTIUM" from Mobile, Alabama 27.1.42.

(xxxi) H.M.C.S. "ALGOMA" from escort duty 27.1.42.

- Departures -

(xxxii) H.M.C.S. "GALT" for Halifax 24.1.42.

(xxxiii) H.M.C.S. "LOUISBURG" for patrol 24.1.42.

(xxxiv) H.M.C.S. "MINAS" for patrol 24.1.42.

(xxxv) H.M.C.S. "SPIKENARD" for patrol 24.1.42.

(xxxvi) H.M.C.S. "DRUMHELLER" for escort duty 25.1.42.

(xxxvii) H.M.C.S. "SHAWINIGAN" for escort duty 25.1.42.

(xxxviii) H.M.C.S. "SUMMERDIDE" for escort duty 25.1.42.

(xxxix) H.M.C.S. "DAUPHIN" for patrol 26.1.42.

(xl) H.M.C.S. "EYEBRIGHT" for escort duty 26.1.42.

(xli) H.M.S. "BURNHAM" for escort duty 27.1.42.

(xlii) H.M.S. "NASTURTIUM" for Halifax 27.1.42.

(xliii) H.M.C.S. "ALGOMA" for escort duty 27.1.42.

- At Iceland -

- Departures -

(xliv) H.M.C.S. "KENOGAMI" for escort duty 24.1.42.

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(xlv) H.M.C.S. "FENNEL" for escort duty 28.1.42.

(xlvi) H.M.C.S. "AMHERST" for escort duty 28.1.42.

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(xlvii) H.M.C.S. "BATTLEFORD" arrived Liverpool 24.1.42. from Halifax.

(xlviii) H.M.C.S. "BUCTOUCHE" arrived U.K. from escort duty 22.1.42.

(xlix) H.M.C.S. "HEPATICA" arrived U.K. from escort duty 22.1.42.

(l) H.M.C.S. "MOOSE JAW" arrived U.K. 22.1.42 from escort duty.

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NOTE: Report from Director of Operations Division not available.

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CONVOYS

A convoy comprising 32 ships of which 21 were British, 5 Greek, 2 Dutch, 3 Norwegian, 1 Y/S sailed from Halifax on January 23rd under the A/S Escort of H.M.S. "BURNHAM" and H.M.C. Ships "DRUMHELLER", "EYEBRIGHT", "SHAWINIGAN", "ALGOMA", "SUMMERSIDE".

A convoy comprising 57 ships of which 38 were British, 7 Norwegian, 4 Dutch, 3 U.S., 2 Panamanian, 1 U.S.S.R., 1 Icelandic, 1 Y/S sailed from Halifax on January 26th under the A/S Escort of U.S. Ships "SWANSON", "BUCK", "McCORMICK", "DUPONT", "HERBERT".

There were three independent trans-ocean sailings from the Atlantic Coast this week.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety-four D.E.M.S. inspections were carried out in the following ports: Halifax (79) Sydney (7), Saint John (4), Esquimalt (4).

(b) Information in connection with arming etc. has been received regarding the following ships:

"MOYRA"	3" gun mounted	Halifax
"FORT VILLE MARIE"	4" gun mounted	Halifax

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"LIEUT. ST. LOUBERT BIE"	4" gun mounted	Halifax
"GRENANGER"	4" gun mounted	Esquimalt
"BAGHDAD"	4" gun mounted	Esquimalt
"ATLANTICOS"	In hand arming	Halifax
"CORNEVILLE"	In hand arming	Esquimalt
"BAALBEK"	In hand arming	Esquimalt

(c) The degaussing equipment of 92 ships was inspected this week in Canadian ports; 82 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 10 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

The corvette "NEW WESTMINSTER" successfully passed Full Power Trials.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

Information received with regard to the status of the installation of Sweeping Acoustic gear in ships at Halifax is very indefinite; a headquarters' officer is to go to Halifax to help with the matter and report on the situation to Naval Service Headquarters.

(g) SUPERINTENDENT OF A/S

Methods employed in industry to train artisans were investigated; A/S and Director of Naval Personnel then visited the A/S training department at University of Toronto and Westdale Technical School at Hamilton. Upon their return they recommended that preliminary training be altered to reduce the amount of theoretical training and enhance the practical; also that the training scheme be transferred from University of Toronto to Westdale Technical School. Recommendations were approved, and the change is under way.

(h) R.D.F. OFFICER

A cure was found for the difficulty previously reported in the first sample of the SW-2C, namely the effect of a short-circuited antenna on test measurements carried out aboard ship to determine the entry of moisture into the coaxial cable. Specifications of the modification to eliminate the trouble were passed to Research Enterprises Limited and the work is now in hand. Shipment of SW-2C was deferred for about 5 days in order to modify all SW-2C antennae already manufactured.

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"LIEUT. ST. LOUBERT BIE"	4" gun mounted	Halifax
"GRENANGER"	4" gun mounted	Esquimalt
"BAGHDAD"	4" gun mounted	Esquimalt
"ATLANTICOS"	In hand arming	Halifax
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A visit was made to New York and Norfolk to a ship fitted with gunnery R.D.F. of the same type to be fitted in our Tribal Class Destroyers. In addition to the educational features of the trip another object was to obtain information on the minimum gunnery requirements for our Town Class Destroyers.

In Washington it was agreed that the United States Navy would adopt the British Mark 111 I.F.F. in all parts of the world. A production of Mark 11 I.F.F. is to be completed in order to satisfy the interim need.

The total number of ships fitted with R.D.F. to date is 25.

(i) RESEARCH LIAISON OFFICER

The 1st model of the Degaussing Cable Fault Locator produced by Sangamo Electric has been sent to the Halifax staff for service trials.

(j) SUPERINTENDENT OF BOOM DEFENCE

At Esquimalt all moorings on Gate Closing Vessel and No. 1 Trot which were dragged when fouled by H.M.C.S. "PRINCE DAVID" have been relaid in correct position.

With reference to the New Defences, the particular types to be applied to the Canadian Ports have been decided upon and their installation approved.

Designs and schedules of net gear for "A/S 1st Line of 1½"" rope unit 3' - 6" mesh" "Curtain Nets", "Submerged Nets" and "A/T Close ship Protection" were completed on January 24th. The work of raising the necessary C1D.'s is proceeding.

(k) DEGAUSSING OFFICER

Two permanent, 1 semi-permanent and repairs to the D.G. of 14 merchant ships were made; repairs carried out on 1 H.M.C. and 4 compass corrector coils fitted. Four H.M.C. Corvettes have been depermed in Halifax.

Approval has been granted for the establishment of a D.G. Acoustic Range in Halifax and F.E. has been raised to cover the estimated cost of $8,000.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,035,608.00.

CHIEFS OF STAFF COMMITTEE

31st January,
1 9 4 2.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 7th February, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 118

(For week ending 7th February)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 5th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	379	3,466	3,845
R.C.N.R.	767	4,083	4,850
R.C.N.V.R.	2,332	17,741	20,073
TOTAL	3,478	25,290	28,768
		Increase	183

(b) Recruiting Activities from January 29th 1942, to February 5th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	4	1	5
R.C.N.R.	10	43	53
R.C.N.V.R.	11	149	160
TOTAL	25	193	218

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
(a) Med. Unfit	0	7	7
(b) Other Reasons	3	23	26
TOTAL	3	32	35

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	4	4
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service.

Officers	Ratings	TOTAL
189	1,154	1,343

2. CASUALTIES

(a) Ralph E. MARRYATT, Able Seaman, O.N. V228.

(b) William E. LUCAS, Steward, O.N. V19180.

both lost in "LADY HAWKINS" sunk by enemy action, January 19th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	358	395
Other Deaths.....	5	45	50
TOTAL.....	42	403	445
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "ANNAPOLIS" from escort duty 27.1.42.

(ii) H.M.C.S. "CHEDABUCTO" from escort duty 30.1.42.

(iii) H.M.C.S. "RACCOON" from escort duty 1.2.42.

(iv) H.M.S. "GARLAND" from escort duty 3.2.42.

(v) H.M.C.S. "ARROWHEAD" from Charleston, S.C. 3.2.42.

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(vi) H.M.C.S. "HAMILTON" from escort duty 3.2.42.

(vii) H.M.C.S. "SNOWBERRY" from Charleston 3.2.42.

(viii) H.M.C.S. "GANANOQUE" from escort duty 4.2.42.

(ix) H.M.C.S. "NIPIGON" from escort duty 4.2.42.

(x) H.M.C.S. "QUINTE" from escort duty 4.2.42.

(xi) H.M.C.S. "ST. CLAIR" from escort duty 4.2.42.

(xii) H.M.C.S. "SASKATOON" from escort duty 4.2.42.

(xiii) H.M.C.S. "THUNDER" from Louisburg 4.2.42.

- Departures -

(xiv) H.M.S. "FIREDRAKE" for escort duty 30.1.42.

(xv) H.M.C.S. "DUNVEGAN" for escort duty 30.1.42.

(xvi) Convoy S.C. 67 under Ocean Escort comprised of H.M.C. Ships "SPIKENARD", "DAUPHIN", "LOUISBURG", "CHILLIWACK", "SHEDIAC", "PICTOU", "DUNVEGAN". Local Escort H.M.C. Ships "HAMILTON" and "SASKATOON" 30.1.42.

(xvii) H.M.S. "NASTURTIUM" for escort duty 4.2.42.

(xviii) H.M.C.S. "MIDLAND" for escort duty 1.2.42.

(xix) Convoy H.X. 173 under Ocean Escort comprised of U.S. Ships "EDISON", "NICHOLSON", "LEA", "BERNADOU". Local Escort of H.M.C. Ships "ST. CLAIR", "MIDLAND", "QUINTE", "GANANOQUE", and H.M.S. "NASTURTIUM" 1.2.42.

(xx) H.M.C.S. "CAMROSE" for escort duty 4.2.42.

(xxi) H.M.C.S. "CLAYOQUOT" for escort duty 4.2.42.

(xxii) H.M.C.S. "LUNENBURG" for escort duty 4.2.42.

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(xxiii) H.M.C.S. "RED DEER" for escort duty 4.2.42.

(xxiv) H.M.C.S. "SAGUENAY" for Saint John, N.B. 4.2.42.

(xxv) H.M.C.S. "SKEENA" for Saint John, N.B. 4.2.42.

(xxvi) H.M.C.S. "THE PAS" for escort duty 4.2.42.

(xxvii) H.M.C.S. "WETASKIWIN" for Saint John, N.B. 4.2.42.

- Arrivals -

- At St. John's -

(xxviii) H.M.C.S. "ASSINIBOINE" from escort duty 26.1.42.

(xxix) H.M.C.S. "DAUPHIN" from escort duty.

- Departures -

(xxx) H.M.C.S. "LOUISBURG" for escort duty 1.2.42.

(xxxi) H.M.C.S. "MINAS" for patrol 1.2.42.

(xxxii) H.M.C.S. "SPIKENARD" from escort duty 2.2.42.

(xxxiii) H.M.C.S. "SHEDIAC" from escort duty 2.2.42.

(xxxiv) H.M.C.S. "CHILLIWACK" for escort duty 3.2.42.

(xxxv) H.M.C.S. "MALPEQUE" for Halifax 3.2.42.

(xxxvi) H.M.C.S. "GEORGIAN" for escort duty 3.2.42.

(xxxvii) H.M.C.S. "COWICHAN" for Halifax 4.2.42.

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(xxxix) H.M.C.S. "AMHERST" departed Iceland for escort duty 28.1.42.

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DIRECTOR OF OPERATIONS DIVISION

Report for week ending January 29th, 1942.

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U-BOAT ACTIVITIES IN THE WESTERN ATLANTIC

German U-Boat activities have continued along the Atlantic seaboard, being principally concentrated close inshore between Cape Hatteras and Cape Cod. During the week under review, there have been nine sinkings in this area, including "LADY HAWKINS" sunk on the 18th, with a further six sinkings in the North Atlantic west of 40° W.

The following list gives the particulars of ships sunk in the period under review.

Time	Name of Ship	Position Lat.(N)	Position Long.(W)	Remarks
- /17	NYHOLT (Nav.)	45° 46'	54° 18'	H.M.C.S. "ST. CLAIR" picked up 21 survivors.
2315/18	LADY HAWKINS(Br.)	38° 55'	74° 22'	U.S.S. "LANG" landed survivors at Bermuda.
1414Z/22	ALEXANDRA HOEGH (Nor.)	40° 20'	65° 34'	Found in 2 parts by H.M.C.S. "LYNX". Survivors landed at Shelburne.
1930Z/22	VASSILIAS APOLENIS (Gr.)	42° 32'	52° 38'	12 survivors.
2045Z/22	INNEROY (Nor.)	40° 30'	60° 00'	5 survivors.
2210Z/22	ATHELCROWN (Br.)	45° 06'	40° 56'	
0600Z/23	THIRLBY (Br.)	43° 28'	66° 18'	45 survivors picked up by S.S. "BELLE ISLE".
0145Z/24	EMPIRE GEM (Br.)	35° 02'	75° 33'	2 survivors.
0458Z/24	EMPIRE WILDBEASTE (Br.)	39° 30'	59° 54'	
0400Z/24	VENORE (U.S.)	35° 10'	75° 20'	
0310Est/26	VARANGER (Nor.)	38° 58'	74° 06'	Torpedoed 3 times by 2 submarines. 45 survivors.

This list also includes certain ships sunk the previous week reports of which had not been received in time for inclusion in last week's report.

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During the week under review, it is interesting to note that no attacks have been made on convoys or escorted ships in the western Atlantic.

Coastal convoys escorted by corvettes and minesweepers are now being run from Halifax to Sydney and St. John's, Nfld. This is proving a very heavy drain on our resources, but has so far been effective.

On the U.S. Atlantic Coast, however, no coastal convoys have yet been commenced and the loss of shipping has been considerable. The necessity for coastal convoys is realized by U.S. Naval Authorities, but unfortunately they have at present no suitable anti-submarine craft which can be spared for these duties. This problem was discussed at a conference at Washington, details of which are given below.

COUNTER MEASURES

A number of Canadian and U.S. aircraft attacks have been made on reported U-Boats, but no confirmed successes have been obtained.

U.S. Coast Guard Cutter "CAMPBELL" reported carrying out a successful depth charge attack on a submarine in position 42° 53' N., 61° 00' W. on 22nd January.

H.M.C. corvettes "CAMROSE" and "WETA-KIWIN", who were escorting a coastal convoy, also reported having made a promising attack on a submarine contact and an oil slick was observed.

NORTH ATLANTIC ESCORT OF CONVOYS CONFERENCE AT WASHINGTON ON 22ND JANUARY, 1942.

This conference was attended by Director of Operations Division, Chief Staff Officer to Flag Officer, Newfoundland Force, and representatives of Admiralty Trade Division, British Admiralty Delegation Washington, Commander in Chief U.S. Fleet, and Commander Task, Force 4. This conference was held in order to make proposals for the more economical use of all R.N., R.C.N., and U.S.N. escort units available for North Atlantic Escort and, if possible, the provision of increased escort in the Western Atlantic and on the Atlantic seaboard.

It is hoped that the recommendations of this conference will be put into effect shortly

PACIFIC COAST

Patrols on the Pacific Coast are being carried out with all available units. H.M.C. Auxiliary Cruiser "PRINCE ROBERT" was taken

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in hand on the 30th January for repairs and fitting of A/S.

American authorities reported that at 1330 on the 28th a Japanese submarine had been definitely identified in Unimak Pass (Aleutian Islands) proceeding East South East.

H.M.S. "WARSPITE" has completed refit and working up exercises on the Pacific Coast and is now en route to Balboa, being escorted by U.S. destroyers and aircraft.

GENERAL

H.M.C.S. "ASSINIBOINE" has been taken in hand for weather damage repairs at St. John's, Nfld.

H.M.C.S. "OTTAWA" taken in hand for repairs at Belfast. At the same time her after 4.7" gun is being removed and she will be fitted with increased complement depth charge equipment.

H.M. destroyers "BURWELL" and "RAMSAY" (Newfoundland Escort Force) completed refits in the U.S.A. and sailed as escorts for H.M. Transport "QUEEN MARY" from New York to Boston on 26th January. H.M.S. "RAMSAY", however, broke down and had to return to Boston for repairs, and H.M.S. "BURWELL" sustained heavy weather damage to her bridge and also returned to Boston for repairs.

The situation as a result of weather damage is now extremely acute. Out of 8 R.C.N. and 4 R.N. Long Legged Destroyers in the Newfoundland Escort Force only 2, "ST. LAURENT" and "BURNHAM" are at present in operation.

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REPORT FOR WEEK ENDING FEBRUARY 5th, 1942.

U-BOAT ACTIVITIES IN THE WESTERN ATLANTIC

During the past week German U-Boats have continued their policy of attacking shipping inshore along the Atlantic seaboard.

The following list gives the particulars of ships sunk for the week ending February 5.

Time	Name of Ship	Position Lat.(N)	Position Long.(W)	Remarks
1605Z/30	ROCHESTER (U.S.)	37° 10'	73° 58'	Not verified, but reported as sunk by CBC.
2220/16	ICARION (Gr.)	46° 02'	52° 22'	20 survivors arrived St. John's, January 31.

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Time	Name of Ship	Position Lat.(N)	Long.(W)	Remarks
1410Z/26	REFAST (Br.)	42° 40'	53° 00'	10 lost, 33 survivors picked up by "MARIPOSA".
1750Z/2	W.L. STEEK (U.S.)	38° 25'	73° 00'	Signalled "going down" no further report.

In addition to the above, the following ships were attacked by submarines, but not reported as sunk.

1635Z/30	YANKEE ARROW (U.S.)	39° 19'	74° 00'	Attacked by S/M. No further report.
1709Z/30	VACUUM (U.S.)	37° 10'	73° 58'	Torpedoed. No further report.
1532Z/31	GULFWING (U.S.)	37° 13'	75° 16'	Attacked by S/M Arrived Philadelphia 1st February.
0136Z/31	TACOMA STAR (Br.)	37° 33'	69° 21'	Torpedoed. No further report.
0503Z/1	PANAMACO (U.S.)	34° 00'	75° 00'	Attacked by S/M No further report.
0545Z/2	CORILLA (Dutch)	44° 48'	61° 40'	Arrived Halifax 4th February. No casualties.
0130Z/3	AMERIKLAND (Swed.)	36° 36'	74° 10'	Torpedoed. No further report.
0232Z/4	SILVERRAY	43° 54'	64° 16'	Torpedoed. No further report.
0457Z/4	SAN GIL	38° 05'	74° 50'	Torpedoed. No further report.
2040Z/4	MONTROLITE	35° 14'	60° 05'	Torpedoed. No further report.
0011Z/5	INDIAN ARROW (U.S.)	38° 00'	73° 30'	Torpedoed. No further report.

H.M.S. "BELMONT" which, with H.M.S. "FIREDRAKE" was escorting Convoy N.A.2 was reported by "FIREDRAKE" to have been torpedoed and presumed sunk in 042° 02' N - 057° 18' N. on January 31. H.M.C.S. "SACKVILLE" and H.M.C.S. "WEYBURN" were ordered to

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proceed to this position and search for survivors. To date, nothing further has been heard.

On February 3, "FIREDRAKE" was warned by Admiralty that N.A.2 was probably still being shadowed by one or more U-Boats.

H.M.C.S. "DAUPHIN" reported at 1800Z/3 that she had sighted a torpedo track in 047° 05' N. 051° 00 W. Nothing further has been heard.

ATTACKS ON U-BOATS

H.M.C.S. "WETASKIWIN" after losing touch with S.C. 67 reported dropping a depth charge pattern on a doubtful contact at 1008Z/4 in position 048° 28' N 048° 20'.

PACIFIC COAST

All available units are being used on the West Coast for patrol duties.

H.M.C.S. Auxiliary Cruiser "PRINCE ROBERT" which was taken in hand at Esquimalt at the end of January for semi-annual refit is expected to complete about 28th February.

GENERAL

The Netherland submarine O.15 departed Halifax 2nd February for Philadelphia to be taken in hand for refit. She is being escorted by H.M.C. Corvette "FREDERICTON".

Free French Submarine Cruiser "SURCOUF" sailed 1st February from Halifax for Bermuda.

H.M.C. destroyers "SAGUENAY" and SKEENA" are now en route Saint John, N.B., from Halifax for repairs to weather damage. They are being escorted by H.M.C. Corvettes "CAMROSE" and "WETASKIWIN".

H.M. Destroyer "BURWELL" has completed refit and repair at Boston and is proceeding to Halifax.

Owing to weather damage to destroyers in the Newfoundland Escort Force, Convoy S.C. 67 was sailed with no destroyer in the Mid Ocean escort.

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CONVOYS

A Slow Convoy comprising 27 ships of which 12 were British, 6 Norwegian, 2 Greek, 1 Icelandic, 2 U.S., 1 Polish, 1 Panamanian, 1 Honduras, 1 Belgian sailed from Halifax on January 30th under the A/S Escort of H.M.C. Ships "SPIKENARD", "DAUPHIN", "LOUISBURG", "CHILLIWACK", "SHEDIAC", "PICTOU".

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A convoy comprising 33 ships of which 14 were British, 8 Norwegian, 4 Panamanian, 3 Dutch, 3 U.S., 1 U.S.S.R, sailed from Halifax on February 1st under the A/S Escort of U.S. Ships "EDISON", "NICHOLSON", "LEA", "BERNADOU".

There were no independent trans-ocean sailings this week.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and eighteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (102), Saint John (15), Sydney (1).

(b) Information in connection with arming etc. has been received regarding the following ships:

"ATLANTICOS"	3" gun mounted	Halifax
"OREGON EXPRESS"	4" gun mounted	Esquimalt
"BAALBEK"	4" gun mounted	Esquimalt
"TRONDANGER"	In hand arming	Esquimalt

(c) The degaussing equipment of 114 ships was inspected this week in Canadian ports; 107 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 7 ships in United States Ports.

(e) DIRECTOR OF TECHNICAL DIVISION

Trials of New Construction were carried out with respect to the Corvettes "NEW WESTMINSTER", Acceptance Trial 30.1.42. "KELOWNA", full Power Trial 29.1.42; Bangor M/S "BAYFIELD", Endurance and Full Power Trials 6 and 7th February, "CANSO", Progressive and Full Power Trials 20th and 21st February.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

S/Lt. Hughes went to Halifax in connection with magnetic and acoustic minesweeping. All of the structural parts necessary to go ahead with the assembly were located in various stores. Assurance was received that assembly work would proceed as soon as possible.

Good progress has been made in the installation of Type C Acoustic Equipment in the "DRUMMONDVILLE". Installation is expected to be completed some time this week. The second installation of Type C Equipment will be made in the "RED DEER" instead of in the "SWIFT CURRENT", as originally planned - the reason being that the latter is at the time being used as some type of training vessel.

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(g) SUPERINTENDENT OF A/S

Arrangements were completed for the installation of A/S gear in H.M.C.S. "PRINCE ROBERT", the first of this class to be fitted.

(h) R.D.F. OFFICER

A visit was made to Collingwood to obtain information regarding fitting of R.D.F. equipment on extended forecastle Corvettes.

The satisfactory operation of the R.D.F. Beacon has been reported from Halifax; R.I.S. trials were held at the same time, but were inconclusive.

Mr. Van der Veen of the Netherlands Purchasing Commission came to Ottawa to obtain information regarding the fitting of Canadian R.D.F. in Motor Torpedo Boats. All facilities were made available, and R.D.F. Branch is preparing detailed information which is to be forwarded to the Commission about the middle of February.

(i) RESEARCH LIAISON OFFICER

The problem of de-icing guns and D/C's aboard H.M.C. Ships is being investigated from the standpoint of utilisation of special oil compounds developed for de-icing aeroplane propellers. Pending the decision of the Department relative to proceeding with a full scale development of this problem, preliminary laboratory experiments are being carried out on metal specimens in the cold-box. If required, facilities are available for carrying out the tests at temperatures as low as 40° F.

Professor G. Burr has been furnished with several photographs of the antennae tower of the C.D. Station at Duncan's Cove, to determine the possibility of installing the Diffusion Lighting system to render the tower invisible both from the sea and the air. It is possible that the D.L. equipment taken from H.M.C.S. "KAMLOOPS" could be utilised for this purpose.

(j) DEGAUSSING OFFICER

During the week 10 D.G. operations were carried out and 1 deperming aboard Naval and Merchant ships.

260,000 yards of DG cable have been requested from New York for Montreal and Esquimalt; negotiations are going forward to buy multicore D.G. cable salvaged from 2 merchant vessels wrecked off the east coast.

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Admiralty Compass Department, New York, is forwarding heeling error coils and resistances sufficient for 40 merchant vessels.

Drawings and specifications for compass corrector equipment used on merchant vessels have been requested from New York so that this equipment may be manufactured in Canada. So far these specifications have not arrived, and samples of this equipment have been left with the manufacturer, who intends starting work from these samples without waiting for complete specifications and drawings.

The fitting of "A" coils to the Twin Screw Corvettes has been approved, although normally these coils would not be fitted unless the vessels in question were to be used for magnetic minesweeping.

Complete specifications and drawings for the fitting of and equipment for the 10,000 ton New Construction Merchant vessels are now in the hands of the Wartime Merchant Shipping Limited and the Northern Electric Company, who have the contract for the supply of this equipment.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $2,071,105.41.

CHIEFS OF STAFF COMMITTEE
7th February
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 14th February, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 119

(For week ending 14th February)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 12th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	391	3,467	3,858
R.C.N.R.	776	4,094	4,870
R.C.N.V.R.	2,375	17,916	20,291
TOTAL	3,542	25,477	29,019

Increase 251

(b) Recruiting Activities from February 5th, 1942, to February 12th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	12	1	13
R.C.N.R.	9	16	25
R.C.N.V.R.	43	203	246
TOTAL	64	220	284

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
(a) Med. Unfit	0	6	6
(b) Other Reasons	0	27	27
TOTAL	0	33	33

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	0	0

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
191	1,174	1,365

2. CASUALTIES

-NIL-

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	37	358	395
Other Deaths.....	5	45	50
TOTAL.....	42	403	445
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "GEORGIAN" from St. John's, Nfld. 6.2.42.

(ii) H.M.C.S. "CLAYOQUOT" from escort duty 9.2.42.

(iii) H.M.C.S. "FREDERICTON" from Philadelphia 9.2.42.

(iv) H.M.C.S. "LUNENBURG" from escort duty 9.2.42.

(v) H.M.C.S. "RED DEER" from escort duty 9.2.42.

(vi) H.M.C.S. "GODERICH" from escort duty 10.2.42.

(vii) H.M.C.S. "HAMILTON" from St. John's, Nfld. 10.2.42.

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(viii) H.M.C.S. "MALPEQUE" from escort duty 10.2.42.

(ix) H.M.S. "ROCKINGHAM" from escort duty 11.2.42.

(x) H.M.C.S. "ALBERNI" from Saint John, N.B. 11.2.42.

(xi) H.M.C.S. "COLLINGWOOD" from Saint John, N.B., 11.2.42.

(xii) H.M.C.S. "MAHONE" from escort duty 11.2.42.

(xiii) H.M.C.S. "SASKATOON" from escort duty 11.2.42.

(xiv) H.M.C.S. "THUNDER" from St. John's, Nfld., 11.2.42.

(xv) H.M.S. "BEVERLEY" from escort duty 12.2.42.

- Departures -

(xvi) S.C. 68 under Ocean Escort of H.M.C. Ships "BURWELL", "NASTURTIUM", "MATAPEDIA", "LETHBRIDGE", "NANAIMO", "SUDBURY", "CHICOUTIMI". Local Escort H.M.C. Ships "CLAYOQUOT", "LUNENBURG", "THE PAS", "RED DEER" 4.2.42.

(xvii) H.X. 174 under Ocean Escort of U.S. Ships "PLUNKETT", "SCHENCK", "BADGER", "BABBITT", "CAMPBELL", Local Escort "ARROWHEAD", "SNOWBERRY", "GALT", "SASKATOON", "MAHONE" 7.2.42.

(xviii) H.M.C.S. "COWICHAN" for St. John's, 9.2.42.

(xix) H.M.C.S. "GANANOQUE" for escort duty 10.2.42.

(xx) H.M.C.S. "MIDLAND" for escort duty 10.2.42.

(xxi) H.M.C.S. "QUINTE" for escort duty 10.2.42.

(xxii) S.C. 69 under Ocean Escort of H.M.C. Ships "ASSINIBOINE", "CHICOUTIMI", "ACONITE", "KENOGAMI", "ARROWHEAD", "SNOWBERRY", Local Escort of H.M.C. Ships "FREDERICTON", "OAKVILLE", "MIDLAND", "QUINTE", "GANANOQUE", "COWICHAN" 10.2.42.

(xxiii) H.M.S. "GARLAND" for escort duty 11.2.42.

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(xxiv) H.M.C.S. "ST. FRANCIS" for escort duty 11.2.42.

(xxv) H.M.C.S. "UNGAVA" for escort duty 11.2.42.

- At St. John's -

- Arrivals -

(xxvi) H.M.S. "CELANDINE" from escort duty 7.2.42.

(xxvii) H.M.C.S. "FENNEL" from escort duty 7.2.42.

(xxviii) H.M.C.S. "CHICOUTIMI" from escort duty 8.2.42.

(xxix) H.M.C.S. "BUCTOUCHE" from escort duty 9.2.42.

(xxx) H.M.C.S. "GALT" from escort duty 9.2.42.

(xxxi) H.M.S. "MONTGOMERY" from Halifax 11.2.42.

(xxxii) H.M.C.S. "ARROWHEAD" from escort duty 12.2.42.

(xxxiii) H.M.C.S. "HEPATICA" from escort duty 12.2.42.

(xxxiv) H.M.C.S. "MOOSE JAW" from escort duty 12.2.42.

(xxxv) H.M.C.S. "SNOWBERRY" from escort duty 12.2.42.

(xxxvi) H.M.C.S. "AMHERST" from escort duty.

- Departures -

(xxxvii) H.M.S. "NASTURTIUM" for escort duty 6.2.42.

(xxxviii) H.M.C.S. "LETHBRIDGE" for escort duty 6.2.42.

(xxxix) H.M.C.S. "MATAPEDIA" for escort duty 6.2.42.

(xl) H.M.C.S. "NANAIMO" for escort duty 6.2.42.

(xli) H.M.C.S. "SUDBURY" for escort duty 6.2.42.

(xlii) H.M.S. "BURWELL" for escort duty 7.2.42.

(xliii) H.M.C.S. "BUCTOUCHE" for escort duty 9.2.42.

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(xliv) H.M.C.S. "SAGUENAY" arrived Saint John, N.B. from Halifax 6.2.42.

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DIRECTOR OF OPERATIONS DIVISION

"U" Boat Activities in the Western Atlantic

During the past week German "U" boats have continued attacking shipping inshore along the Atlantic seaboard.

The following list gives the particulars of ships sunk for the week ending February 12th.

Time	Name of Ship	Position Lat.(N)	Long.(W)	Remarks
0232/4	SILVERRAY (Br.)	43° 54'	74° 10'	Torpedoed, Fishing vessel arrived Lockeport, N.S. Feb. 5th with 6 survivors U.S. "CAMPBELL" arrived Argentia Feb. 7th with 35 survivors.
0011Z/5	INDIAN ARROW (U.S.)	38° 00'	73° 30'	It is now reported sunk.
0130Z/3	AMERIKLAND (Swed.)	36° 36'	74° 10'	Listed last week as torpedoed. It has now been reported sunk.
0844Z/8	OCEAN VENTURE (Br.)	37° 05'	74° 45'	Torpedoed and sunk. 14 survivors picked up by U.S. destroyer. Will be landed at Norfolk.
2404Z/4	MONTROLITE (Br.)	35° 14'	60° 05'	Torpedoed and sunk. 20 survivors picked up by "WINKUEIGH" at 1700Z/7 Feb. landed at Halifax, N.S.
0034A/11	HEINA	56° 08'	20° 54'	Torpedoed and sunk. 31 survivors picked up by H.M.C.S "DAUPHIN".

In addition to the above, the following ships were attacked by submarines, but not reported as sunk.

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Time	Name of Ship	Position Lat.(N)	Long.(W)	Remarks
0503Z/1	S.S. PANAMOCO	34° 00'	75° 00'	Attacked by submarine. No further report.
2100Z/4	S.S. LIBERTAD	32° 56'	78° 51'	Attacked. No damage.
1734Z/5	BRASIL	33° 47'	68° 05'	Attacked by S/M. No further report.
0400Z/7	EMPIRE SUN	43° 55'	64° 22'	Torpedoed. No further report.
0753/7	ATLANTIAN	44° 00'	63° 25'	Shelled by S/M, no further report.
0136Z/11	VICTROLITE	36° 12'	67° 14'	Torpedoed. No further report.
0335/6	HALCYON	34° 20'	59° 16'	Shelled by raider.

LOSS OF CORVETTES

Free French Naval Vessel "ALYSSE" escorting convoy O.N. 60 was torpedoed in position 56° 10', 21° 07' at 2230Z/8. Salvage was attempted by H.M.C.S. "HEPATICA" and H.M. Tug "PRUDENT" with H.M.C.S. "MINAS" as A/S screen was sent from St. John's, Newfoundland. "ALYSSE", however, sank at 0930Z/10; 34 survivors were rescued by "MOOSE JAW" and "HEPATICA".

H.M.C.S. "SPIKENARD" while escorting S.C. 67 was torpedoed in position 56° 10' N., 21° 07' W. at 1200A/11. Eight survivors picked up by H.M.S. "GENTIAN" none of whom were seriously injured, but it is considered improbable that there will be any others rescued.

NORTH ATLANTIC ESCORT OF CONVOYS

As a result of the conference in Washington reported two weeks ago, the new arrangements for escort of convoys in the North Atlantic will go into effect S.C. 70 on 16th February. The new system is briefly as follows:-

Western Local

Groups of Shortlegged Destroyers, Corvettes, and A/S Minesweepers operated by Commanding Officer Atlantic Coast will escort from Halifax or Sydney to WESTOMP in about 45° W. and in reverse, refuelling at St. John's, Nfld.

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Mid Ocean

14 Groups of Longlegged Destroyers and Corvettes will escort from WESTOMP to Londonderry if fuel permits. Five groups (A1 - A5) will be operated by C.T.F.4, 5 Groups (B1 - B5) by Commander-In-Chief, Western Approaches and 4 groups (C1 - C4) by Flag Officer, Newfoundland Force.

Eastern Local

A force of Shortlegged Destroyers operated by Commander-In-Chief, Western Approaches will assist the Mid-Ocean Escort as necessary.

Atlantic Seaboard

The redistribution of escort forces as above has left 10 Shortlegged American destroyers for the Atlantic Seaboard. In addition, 24 A/S Trawlers are being lent by Commander-In-Chief, Western Approaches for this purpose.

Troop Convoys

Will be escorted by 13 American and 3 British Longlegged Destroyers.

Iceland Convoys

Will be escorted by a shuttle service of 5 American Shortlegged Destroyers from Iceland to an EASTOMP in about 20° W.

PACIFIC COAST

All available units are being used on the West Coast for patrol duties.

H.M.C.S. Auxiliary Cruiser "PRINCE ROBERT" is refitting at Esquimalt and is expected to complete about 28th February.

GENERAL

H.M.S. "QUEEN ELIZABETH" is en route to Esquimalt from Brisbane for docking and is expected to arrive late in February.

The German Battle Cruisers "SCHARNHORST" and "GNEISENAU" and the 8" Cruiser "PRINCE EUGEN", who had been at Brest, were reported off Boulogne at 1105A/12. They were heavily attacked by surface and air striking forces, but details of damage have not yet been received.

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CONVOYS

A Slow Convoy comprised of 17 ships of which 8 were British, 3 Panamanian, 3 Norwegian,

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1 Dutch, 1 Eire, 1 Y/S, sailed from Halifax on February 4th under the A/S Escort of H.M.C. Ships "NASTURTIUM", "MATAPEDIA", "LETHBRIDGE", "NANAIMO", "PICTOU" and H.M.S. "BURWELL".

Note: Information incomplete for last week's report.

A convoy comprising 32 ships of which 17 were British, 9 Norwegian, 1 Panamanian, 2 Dutch, 1 U.S., 1 Polish, 1 Swedish sailed from Halifax on February 7th under the A/S Escort of U.S. Ships "PLUNKETT", "SCHENCK", "BABBITT", "BADGER", "CAMPBELL".

A Slow Convoy comprised of 25 ships of which 15 were British, 4 Norwegian, 2 Belgian, 1 Greek, 1 Panamanian, 2 U.S. sailed from Halifax on February 10th under the A/S Escort H.M.C. Ships "ASSINIBOINE", "KENOGAMI", "ARROWHEAD", "SNOWBERRY", "CHICOUTIMI" and H.M.S. "ACONITE".

There were no independent trans-ocean sailings this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety D.E.M.S. inspections were carried out this week in the following ports: Halifax (79), Saint John (6), Esquimalt (5).

(b) Information in connection with arming etc. has been received regarding the following ships:-

BRITISH COLUMBIA EXPRESS	4" gun mounted	Esquimalt
JOHN CABOT	In hand arming	Halifax
TRIGLAV	In hand arming	Sydney

On advice from the Admiralty the scale of machine gun equipments embarked with Military Gunners in D.E.M.S. is in future to be one per two men in lieu of one per man as hitherto.

(c) The degaussing equipment of 86 ships was inspected this week in Canadian Ports; 81 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 6 ships in United States Ports.

(e) INSPECTOR OF CONTRACT BUILT SHIPS

Trials of New Construction building for the R.C.N. include Corvette "TIMMINS", tentative Acceptance Trial 10.2.42.; Minesweeper "BAYFIELD", Progressive, Steering and Astern Trials 7.2.42.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

At the monthly meeting of Chemical Warfare Inter-Service Advisory Board the discussion turned largely upon offensive action. Definite recommendations will be prepared.

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(g) SUPERINTENDENT OF A/S

A minesweeper has been fitted with Type 128 A/S gear this week.

A pilot class will be started March 16 at Westdale Technical School.

(h) R.D.F. OFFICER

Corvettes "AGASSIZ" and "OAKVILLE" have been completed with R.D.F.; an additional 2 ships are nearing completion.

Design of an antenna system and modification of the Canadian R.D.F. equipment for use in Motor Torpedo Boats has been completed by the Naval Group at National Research Council field station. Operational trials are being carried out.

Reports on trials of the R.D.F. beacon at Portuguese Cove have been received. Satisfactory results were obtained up to a 35 mile range where the theoretical visual range was 23 miles. Coding arrangements and modifications of the antenna system are being given further consideration.

(i) SUPERINTENDENT OF BOOM DEFENCE

Normal operations proceed at all Boom Defence bases. At Esquimalt work at the A/S boom consisted this week of examination by a diving party from R.C.N. Barracks of the net from the Gate Vessel to the Western Shore and the new A/S gate section recently installed. All nets were reported in good condition and hanging correctly in position.

(j) RESEARCH LIAISON OFFICER

Four laboratory samples of oil compounds for use in preventing ice formations from adhering to guns, D/C, etc., have been made up and tested. Artificial seawater was used in the tests, and the compounds showed up very favourably in that ice could be very readily knocked from all steel objects so treated. Investigation is continuing at very low temperatures, and with fresh water as well as seawater, since it is considered that the fresh water tests will be many times more drastic. The prime requirement of a satisfactory compound will be its life after repeated de-icing operations. It is highly desirable that the compound does not require renewal excepting after several de-icings.

A preliminary investigation is under way to examine the problem of detecting the approach or contact with a boom defence net by large and small submarines and small surface craft.

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(k) DEGAUSSING OFFICER

Fifteen D.G. operations were carried out this week on merchant and H.M.C. Ships; 1 ship was depermed.

It was hoped to fit an internal low voltage D.G. system in H.M.C.S. "PRINCE ROBERT", but the delay in obtaining equipment could not be accepted - internal system similar to that on new construction merchant ships is being installed.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $436,054.00.

CHIEFS OF STAFF COMMITTEE
14th February
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 21st February, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 120

(For week ending 21st February)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 19th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	398	3,460	3,858
R.C.N.R.	786	4,090	4,876
R.C.N.V.R.	2,403	18,039	20,442
TOTAL	3,587	25,589	29,176

Increase - 157

(b) Recruiting Activities from February 12th, 1942, to February 19th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	7	0	7
R.C.N.R.	12	13	25
R.C.N.V.R.	33	186	219
TOTAL	52	199	251

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	5	54	59
(a) Med. Unfit	0	11	11
(b) Other Reasons	2	22	24
TOTAL	7	87	94

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
180	1,188	1,368

2. CASUALTIES

(a) 5 Officers and 52 ratings lost in H.M.C.S. "SPIKENARD" February 10th, 1942.

(b) William HUKKANEN, Able Seaman, V16102, reported missing in D.E.M.S. "MONTROLITE".

(c) James Young HEATLEY, Ordinary Telegraphist, V23337, died February 14th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	42	411	453
Other Deaths.....	5	46	51
TOTAL.....	47	457	504
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "UNGAVA" from escort duty 12.2.42.

(ii) H.M.C.S. "BUCTOUCHE" from escort duty 13.2.42.

(iii) H.M.C.S. "MINAS" from St. John's, Nfld. 13.2.42.

(iv) H.M.C.S. "FREDERICTON" from escort duty 14.2.42.

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(v) H.M.C.S. "GANANOQUE" from escort duty 14.2.42.

(vi) H.M.C.S. "OAKVILLE" from escort duty 14.2.42.

(vii) H.M.C.S. "QUINTE" from escort duty 14.2.42.

(viii) H.M.C.S. "SHERBROOKE" from escort duty 15.2.42.

(ix) H.M.C.S. "THE PAS" from escort duty 16.2.42.

(x) H.M.C.S. "WEYBURN" from escort duty 16.2.42.

(xi) H.M.C.S. "SACKVILLE" from escort duty 16.2.42.

(xii) H.M.C.S. "ST. CLAIR" from escort duty 16.2.42.

(xiii) H.M.C.S. "MIDLAND" from escort duty 17.2.42.

(xiv) H.M.C.S. "NIPIGON" from escort duty 18.2.42.

(xv) H.M.S. "RAMSEY" from Boston 18.2.42.

(xvi) H.M.C.S. "HAMILTON" from St. John's, Nfld., 18.2.42.

- Departures -

(xvii) H.X. 175 under local escort of H.M.C. Ships "ST. CLAIR", "THE PAS", "SACKVILLE", "WEYBURN", "GEORGIAN", Ocean Escort of U.S. Ships "MAYO", "SIMPSON", "LEARY", "DECATUR" 13.2.42.

(xviii) H.M.C.S. "WASAGA" on patrol 15.2.42.

(xix) S.C. 70 under Local Escort of H.M.C. Ships "ROSTHERN", "SASKATOON", "COLLINGWOOD", "ALBERNI", "CLAYOQUOT", "MAHONE", Ocean Escort U.S.S. "McLEISH", H.M.S. "DIANTHUS", H.M.C. Ships "FENNEL", "AMHERST", "CELANDINE", 16.2.42.

(xx) H.M.C.S. "UNGAVA" for escort duty 16.2.42.

(xxi) H.M.C.S. "GANANOQUE" for escort duty 16.2.42.

(xxii) H.M.C.S. "HALIFAX" for escort duty 16.2.42.

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(xxiii) H.M.C.S. "GEORGIAN" for St. John's, Nfld. 17.2.42.

(xxiv) H.M.C.S. "KAMLOOPS" for escort duty 17.2.42.

- At St. John's -

- Arrivals -

(xxv) H.M.C.S. "NAPANEE" from escort duty 16.2.42.

(xxvi) H.M.C.S. "ST. LAURENT" from escort duty 16.2.42.

(xxvii) H.M.C.S. "TRAIL" from escort duty 16.2.42.

(xxviii) H.M.C.S. "TRILLIUM" from escort duty 16.2.42.

(xxix) H.M.C.S. "KAMSACK" from escort duty 17.2.42.

(xxx) H.M.C.S. "RIMOUSKI" from escort duty 17.2.42.

(xxxi) H.M.C.S. "BARRIE" from Halifax 18.2.42.

(xxxii) H.M.C.S. "ST. FRANCIS" from patrol 19.2.42.

- Departures -

(xxxiii) H.M.S. "MONTGOMERY" for escort duty 12.2.42.

(xxxiv) H.M.C.S. "ARROWHEAD" for escort duty 12.2.42.

(xxxv) H.M.C.S. "CHICOUTIMI" for escort duty 12.2.42.

(xxxvi) H.M.C.S. "KENOGAMI" for escort duty 12.2.42.

(xxxvii) H.M.C.S. "SNOWBERRY" for escort duty 12.2.42.

(xxxviii) H.M.C.S. "COWICHAN" for patrol 16.2.42.

(xxxix) H.M.C.S. "HAMILTON" for Halifax 16.2.42.

(xl) H.M.S. "POLYANTHUS" for escort duty 19.2.42.

(xli) H.M.C.S. "ASSINIBOINE" for escort duty.

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DIRECTOR OF OPERATIONS DIVISION

U-Boat Activities in the Western Atlantic

German U-Boats have continued to attack shipping along the Atlantic Seaboard during the past week. Attacks have, however, been fewer than during the previous five weeks. No sinkings were reported.

The following list gives the particulars of ships reported during the week as sunk but not included in previous week's report.

Time	Name of Ship	Position Lat.(N)	Position Long.(W)	Remarks
-/31/1	SAN ARCADIA (Br.)	38° 10'	63° 50'	Torpedoed and believed sunk. 9 survivors picked up by U.S. Naval plane.
1500Z/9/2	EMPIRE FUSILIER (Br.)	44° 45'	47° 25'	13 Survivors picked up by H.M.C.S. "BARRIE". 9 lost.

The following ships were attacked but not yet reported as sunk:

Time	Name of Ship	Position Lat.(N) Long.(W)	Remarks
Feb. 6	OPAWA (Br.) (not previously reported)	No position given.	C.S.A. New York reports ship sunk Feb. 6. Presumed enemy action. 14 survivors arrived New York Feb.16.
0245Z/15	MEROPI (Gr.)	44° 14' 62° 41'	14 survivors picked up by H.M.C.S. "SHERBROOKE".
1850Z/16	OPALIA	37° 38' 66° 07'	Shelled by U-boat. Later reported U-boat surfaced and might have been damaged. No further report.
0851Z/18	OKLAHOMA (U.S.)	34° 37' 76° 10'	Torpedo crossed bow. Nothing further reported.

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In addition to the above, U-Boats attacked and damaged at least five tankers off Aruba. Four of these ships were reported by Commander-in-Chief American and West Indies to have been sunk.

Submarine fired tracer pom-poms at oil tanks and plants at the entrance of Lake Maracaibo but no damage or casualties were caused.

Naval Officer-in-Charge Trinidad reported "BRITISH CONSUL" (Br.) and "MAKIHONA" (U.S.) were torpedoed in anchorage at 1145 P.M. No contact was made with submarine but unidentified crossing (of loops) occurred at 0930. Search including air search carried out without result. Ships are still afloat and apparently in no immediate danger of sinking.

Pacific Coast

No further enemy reports have been received.

All available units are being used on the West Coast for patrol duties.

H.M.C. Auxiliary Cruiser "PRINCE DAVID" is carrying out a patrol on the West Coast of Vancouver Island.

H.M.T. "QUEEN MARY" sailed from Boston February 18th for Cape Town via Trinidad.

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CONVOYS

A convoy comprising 27 ships of which 15 were British, 6 Norwegian, 3 Dutch, 2 Icelandic, 1 U.S. sailed from Halifax on February 13th under the A/S Escort of U.S. Ships "MAYO", "SIMPSON", "LEARY", "DECATUR".

A Slow convoy comprising 32 ships of which 18 were British, 6 Norwegian, 2 Greek, 2 Belgian, 1 Honduras, 1 U.S., 2 Dutch, sailed from Halifax under the A/S Escort of U.S.S. "McLEISH", H.M.C. Ships "FENNEL", "AMHERST", "CELANDINE" and H.M.S. "DIANTHUS", 16.2.42.

There were no independent trans-ocean sailings this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Seventy-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (72), Saint John (7).

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(b) Information in connection with arming etc. has been received regarding the following ships:

TRIGLAV	3" gun mounted	Sydney
JOHN CABOT	3" gun mounted	Halifax
ALBERTOLITE	In hand arming	Esquimalt

(c) The degaussing equipment of 77 ships was inspected this week in Canadian Ports; 73 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York, reported that Degaussing had been installed on 6 ships in United States Ports.

(e) INSPECTOR OF CONTRACT BUILT SHIPS

Trials of New Construction building for the R.C.N. include - Corvette: "TIMMINS", Acceptance & Anchor Trials successfully carried out 10.2.42.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

In connection with the installation of "LL" gear in the 4 Bangors now building at Toronto Shipbuilding Co., installation instructions and prints have been prepared and forwarded to the Toronto Shipbuilding Co. and the Resident Naval Overseer, Toronto.

Senior Technician; Technical Division left to make a 10-day inspection trip to Montreal and Halifax while his assistant left to witness tests on the first generator to be completed at Fort Wayne, Indiana.

Chemical Warfare activities include co-operation with Director of Works and Buildings, who is preparing plans for anti-gas schools and decontamination centres for Dockyards and Bases. Additional literature on Air Raid Precaution is being obtained to assist this work.

(g) SUPERINTENDENT OF A/S

No report rendered this week.

(h) R.D.F. OFFICER

Liaison with U.S.N. Radar Branch brought to our knowledge that the U.S.N. was about to be supplied with a type of 10 cm. R.D.F. claimed to be much superior to the Raytheon type - in which we had heretofore been interested. A visit was made to the field station of the A.T. & T. Laboratories at Whippany, N.F. where the equipment was developed. It was found that this set had reached the near-production stage and was in every respect equal to the claims made for it. Lieut. Carlisle

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remained to collect detailed information, and a report to the Chief, Naval Equipment and Supply with recommendations has been made.

Arrangements were made with Research Enterprises Limited for the conversion of SW-1C sets to SW-2C as soon as practical.

(i) RESEARCH LIAISON OFFICER

The Scientific Research and Experiment Department are experimenting on the production of an unguent solvent for the purpose of removing fuel oil from the skin of seamen picked up from torpedoed tankers.

Comparative tests are being carried out between the mine safety appliances combustible Gas Detector and the Ringrose Detector to determine the utility of the 2 types of gasoline vapor detector for use on the Fairmile class and similar craft.

Samples of radium base luminous paint and phosphorescent type paint are being analysed and tested for suitability for illumination of gun bearing plates.

(j) SUPERINTENDENT OF BOOM DEFENCE

Normal operations in Boom Defence work proceed smoothly according to schedule - general repair work and maintenance is being carried on at all bases.

(k) DEGAUSSING OFFICER

No report submitted this week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $289,287.00.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 28th February, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 121

(For week ending 28th February)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at February 26th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	401	3,450	3,851
R.C.N.R.	790	4,109	4,899
R.C.N.V.R.	2,408	18,250	20,658
TOTAL	3,599	25,809	29,408

Increase - 232

(b) Recruiting Activities from February 19th, 1942, to February 26th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	4	18	22
R.C.N.V.R.	6	243	249
TOTAL	13	261	274

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	8	9
(a) Med. Unfit	0	11	11
(b) Other Reasons	0	22	22
TOTAL	1	41	42

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(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
176	1,247	1,423

2. CASUALTIES

(a) Robert R. HOWES, E.R.A., V30125, died February 23rd, 1942.

Missing on Active Service

(b) R.C. JAMIESON, Wt. Off. (S.B.) R.C.N.V.R.

(c) Wm. LAURIE, Ldg. Smn., V23158.

(d) Wm. N. CLARK, E.R.A. 21604.

(e) R.H. JORDAN, A/S.P.O., 21169.

(f) Basil M. LAIDLAW, A/S.P.O. 21350

(g) John S. MacDONALD, S.P.O., 21322.

(h) John E. PAIGE, S.P.O., 21402.

(i) Wm. H. PORTER, Ch. E.R.A. V33072.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	43	418	461
Other Deaths.....	5	47	52
TOTAL.....	48	465	513
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "NIPIGON" from escort duty 21.2.42.

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(ii) H.M.C.S. "WEYBURN" from escort duty 23.2.42.

(iii) H.M.S. "CALDWELL" from St. John's, Nfld., 24.2.42.

(iv) H.M.S. "DIANELLA" from escort duty 25.2.42.

(v) H.M.S. "KINGCUP" from escort duty 25.2.42.

(vi) H.M.S. "LOOSESTRIFE" from escort duty 25.2.42.

(vii) H.M.C.S. "SHAWINIGAN" from St. John's, 25.2.42.

(viii) H.M.C.S. "WASAGA" from escort duty 26.2.42.

(ix) H.M.S. "LAUDERDALE" from St. John's, Nfld.

- Departures -

(x) H.X. 176 under Local escort of H.M.C. Ships "ST. CLAIR", "COBALT", "HALIFAX", "GANANOQUE", "UNGAVA", Ocean Escort of U.S. Ships "BENSON", "BROOME", and H.M.C. Ships "ALBERNI", "HEPATICA", "COLLINGWOOD" 19.2.42.

(xi) S.C. 71 under Local escort of H.M.C. Ships "CHAMBLY", "GODERICH", "QUINTE", "MIDLAND", "MAYFLOWER", H.M.S. "RAMSEY", and Ocean Escort of H.M.C. Ships "ST. FRANCIS", "TRAIL", "COBALT", "BUCTOUCHE", "DUNVEGAN", "NAPANEE" 22.2.42.

(xii) H.M.C.S. "GALT" for Liverpool, N.S. 22.2.42.

(xiii) H.X. 177 under Local escort of H.M.C. Ships "NIAGARA", "LUNENBURG", "THE PAS", "CHEDABUCTO", "MINAS" and Ocean escort of U.S.S. "INGHAM" and H.M.C. Ships "CHAMBLY", "ROSTHERN", "MAYFLOWER", "BARRIE" 25.2.42.

- At St. John's -

- Arrivals -

(xiv) H.M.C.S. "EYEBRIGHT" from escort duty 20.2.42.

(xv) H.M.C.S. "GEORGIAN" from Halifax 21.2.42.

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(xvi) H.M.C.S. "BUCTOUCHE" from patrol 25.2.42.

(xvii) H.M.C.S. "ST. CLAIR" from escort duty 25.2.42.

(xviii) H.M.C.S. "CHAMBLY" from escort duty 26.2.42.

(xix) H.M.C.S. "COWICHAN" from Halifax 26.2.42.

(xx) H.M.C.S. "MAYFLOWER" from escort duty 26.2.42.

- Departures -

(xxi) H.M.S. "CELANDINE" for escort duty 20.2.42.

(xxii) H.M.S. "DIANTHUS" for escort duty 20.2.42.

(xxiii) H.M.C.S. "AMHERST" for escort duty 20.2.42.

(xxiv) H.M.C.S. "HEPATICA" for escort duty 20.2.42.

(xxv) H.M.C.S. "FENNEL" for escort duty 21.2.42.

(xxvi) H.M.C.S. "ALBERNI" for escort duty 22.2.42.

(xxvii) H.M.C.S. "COLLINGWOOD" for escort duty 22.2.42.

(xxviii) H.M.C.S. "CLAYOQUOT" for Halifax 24.2.42.

(xxix) H.M.C.S. "MAHONE" for Halifax 24.2.42.

(xxx) H.M.C.S. "BARRIE" for escort duty 26.2.42.

(xxxi) H.M.C.S. "MAYFLOWER" for escort duty 26.2.42.

(xxxii) H.M.C.S. "CHAMBLY" for escort duty 26.2.42.

(xxxiii) H.M.C.S. "ROSTHERN" for escort duty 26.2.42.

(xxxiv) H.M.C.S. "SASKATOON" for Halifax 25.2.42.

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(xxxv) H.M.C.S. "ANNAPOLIS" arrived Saint John, N.B. from Halifax 26.2.42.

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DIRECTOR OF OPERATIONS DIVISION

German U-Boat Activities

During the past week U-boats have continued to attack shipping along the Atlantic Seaboard although recent attacks indicate that they are extending their activities further South. Attacks have been made on shipping off Florida and in the Caribbean Sea.

The following list gives particulars of ships reported sunk as a result of U-boat action during the past week.

TIME	NAME OF SHIP	POSITION Lat.(N)	POSITION Long.(W)	REMARKS
0108Z/20	SCOTTISH STAR (Br.)	13° 24'	42° 34'	Survivors picked up and landed at Trinidad by H.M.S. "DIOMEDE".
0500Z/23	LIHUE (U.S.)	14° 30'	64° 45'	Torpedoed. H.M.C.S. "PRINCE HENRY" carrying out salvage. Has placed steaming party aboard.
1351Z/19	PAN MASSACHUSETTS (U.S.)	28° 06'	80° 00'	18 survivors landed at Jacksonville by "ELIZABETH MASSEY"
- /21	Two unknown vessels	Between Bethel Shore and West Palm Beach.		Reported by C.S.A. Jacksonville.
2335Z/22	Unknown	26° 42'	80° 02'	Torpedoed and sunk, indicating presence of two U-boats within 30 miles.
2336Z/22	Unknown	27° 27'	80° 20'	

The following ships were attacked but not yet reported sunk:

1012Z/20	DEL PLATA (U.S.)	14° 55'	62° 10'	Torpedoed. No further report.

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TIME	NAME OF SHIP	POSITION Lat.(N)	POSITION Long.(W)	REMARKS
0900Z/21	EGDA (Nor.)	41° 29'	52° 30'	Torpedoed. Arrived Halifax 23/2/42.
- /21	CIRCLE SHELL (Br.)	11° 03'	62° 03'	Torpedoed and shelled. Ship abandoned.
0118Z/22	OLNEY (U.S.)	27° 30'	80° 10'	Attacked by torpedo, no further report.
2009Z/22	KARS (Br.)	44° 15'	63° 25'	Torpedoed and burning, 2 survivors picked up, one later died.
0306Z/23	WEST ZEDA (U.S.A.)	19° 31'	59° 04'	Torpedoed no further report.
0030Z/24	G.L. TORIAN (Br.)	09° 13'	59° 04'	Torpedoed, no further report.
0015Z/24	Unknown	10° 04'	79° 41'	Attacked, no further report.
1530Z/24	Unknown	28° 56'	80° 21'	Attacked, no further report.
0600Z/25	LACARRIERE	16° 52'	67° 10'	Torpedoed, no further report.

PACIFIC COAST

All available craft are at present engaged in patrolling the West Coast and Queen Charlotte Islands.

GENERAL

Admiralty reports that on the night of the 23rd/24th, U-boat shelled oil refinery at Ellwood, Cape Nelson, California at range ¼ mile.

Free French submarine cruiser "SURCOUF" overdue in Panama Canal area is now considered by Admiralty to have been rammed and sunk by an American Ship during the night of the 18th/19th.

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H.M. Transport "QUEEN ELIZABETH" arrived Esquimalt 23rd February, from Brisbane and has docked for refit.

The twenty-four A/S Trawlers lent by Commander-in-Chief, Western Approaches to U.S. Navy for patrol duty on the Atlantic Seaboard are now en route from the United Kingdom.

S.S. "DIALA", a British tanker was torpedoed on the 15th January in position 44° 50' N, 46° 50' W., and survivors landed at St. John's. Three weeks later ship was reported still afloat and H.M. Tug "PRUDENT" proceeded from St. John's to take her in tow but was unable to locate the "DIALA" and returned. On February 21st, H.M.S. "ST. LOMAN" reported that the F.F. Trawler "SENATUER DUHAMEL" and H.M.S. "ST. ZENO" were standing by the "DIALA" and could try to tow her toward St. John's. H.M.T. "PRUDENT" was despatched to assist but as yet no report of her arrival has been received.

The U.S. Destroyer "TRUXTON" and U.S. Supply Ship "POLLUX" ran aground in St. Lawrence Harbour with a heavy loss of life. It is assumed these ships were en route to Argentia, Nfld. and went ashore due to thick weather. Both the "TRUXTON" and "POLLUX" are considered by the U.S. Authorities to be total losses.

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CONVOYS

A convoy comprising 25 ships of which 16 were British, 5 Norwegian, 2 Panamanian, 1 Swedish, 1 Belgian sailed from Halifax on February 19th under the A/S Escort of U.S. Ships "BENSON", "BROOME" and H.M.C. Ships "ALBERNI", "HEPATICA", "COLLINGWOOD", "MOOSE JAW".

A convoy comprising 24 ships of which 18 were British, 2 Norwegian, 2 Greek, 1 U.S., 1 Icelandic sailed from Halifax on February 22nd under the A/S Escort of H.M.C. Ships "ST. FRANCIS", "TRAIL", "COBALT", "BUCTOUCHE", "DUNVEGAN", "NAPANEE".

There were two independent trans-ocean sailings from the Atlantic Coast this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Seventy-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (73), Saint John (3).

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(b) Information in connection with arming etc. has been received regarding the following ships:-

ALBERTOLITE	4" gun mounted	Esquimalt
ROSEBANK	4" gun mounted	Esquimalt
LORD STRATHCONA	In hand arming	Sydney
ELGIN	In hand arming	Saint John
LIDO	In hand arming	Saint John
AGHIOS GEORGIOS	In hand arming	Halifax
CAROLUS	In hand arming	Halifax

(c) The degaussing equipment of 75 ships was inspected this week in Canadian Ports; 71 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport New York, reported that Degaussing had been installed on 7 ships in United States Ports.

(e) INSPECTOR OF CONTRACT BUILT SHIPS

Trials of New Construction building for the R.C.N. include:- Corvettes, "DUNDAS", tentative Trial dates, 17.3.42; "VANCOUVER", tentative Trial dates 17.3.42; Minesweepers, "CANSO", amended Trial dates, Progressive 24.2.42, Full Power, 25.2.42.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

Preliminary trials were made during the week on acoustic M/S gear type "C" in H.M.C.S. "DRUMMONDVILLE"; the installation in "RED DEER" will be completed in about another week.

The first hammer box for Sweeping Acoustic gear type "A" was assembled during the week, the box was slung over the side of "STANDARD COASTER" and given first trials on the range. These trials show that the Black and Decker hammer is at least as effective as the Kango hammer.

There have been numerous reports of bolts breaking on "PNM" noisemakers, and one bar has broken. The fracture of the bar indicates fatigue failure. The broken piece will be sent to the Metallurgical Laboratory and an attempt made to organise a routine for annealing all parts of these sweeps at definite intervals during service life.

(g) SUPERINTENDENT OF A/S

One M/S was fitted with A/S gear during the week, type 128.

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(h) R.D.F. OFFICER

A Headquarters R.D.F. officer leaves this week for Esquimalt to fit the 1st M/S.

H.M.C.S. "CHAMBLY" was fitted with SW-2C. A concise report from Commanding Officer Atlantic Coast on the performance of the SW-2C has been received confirming the expectations held at Naval Service Headquarters based on the design characteristics that the SW-2C is much more efficient than the SW-1C.

Arrangements are under way to despatch 2 complete SW-2C equipments to the West Coast for installation in H.M.C. Ships "TIMMINS" and "NEW WESTMINSTER".

Arrangements for the taking over of R.D.F. fitting at Halifax by S.D.Y. are in progress at Halifax.

(i) SUPERINTENDENT OF BOOM DEFENCE

A heavy programme of repair and maintenance work is being carried out on Boom Defence gear at all bases.

Requirements for Gate Attendant Vessels, Duty Boats and Workboats for use at Boom Defence depots have been outlined with special reference to Halifax, Sydney, Gaspe, and Shelburne. The list concerns 12 vessels.

(j) RESEARCH LIAISON OFFICER

The Research Liaison Officer is on an inspection trip to the West Coast. An examination is being made of technical problems which require attention.

(k) DEGAUSSING OFFICER

Degaussing Work of 5 types has been carried out on 28 ships and 4 have been depermed.

Complete specifications and drawings of Degaussing of Standard Cargo vessels have been issued to ports and officers concerned.

The problems in regard to conserving rubber are under experiment. At present 2,500 pounds of rubber are required for the Degaussing of a fair-sized ship.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $936,982.00.

CHIEFS OF STAFF COMMITTEE
28th February
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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 16

Ottawa, 7th March, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 122

(For week ending 7th March)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 5th, 1942.

	Officers	Ratings	TOTAL
R.C.N.	407	3,447	3,854
R.C.N.R.	790	4,113	4,903
R.C.N.V.R.	2,427	18,398	20,825
TOTAL	3,624	25,958	29,582

Increase 174

(b) Recruiting Activities from February 26th, 1942, to March 5th, 1942:

	Officers	Ratings	TOTAL
R.C.N.	6	0	6
R.C.N.R.	0	13	13
R.C.N.V.R.	20	181	201
TOTAL	26	194	220

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2	0	1	1
(a) Med. Unfit	1	12	13
(b) Other Reasons	0	32	32
TOTAL	1	45	46

(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

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	Officers	Ratings	TOTAL
	208	1,301	1,509

2. CASUALTIES

Robert Bolfour CAMPBELL, Writer V6876 died February 27th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	43	418	461
Other Deaths	5	48	53
TOTAL.	48	466	514
Wounded or Injured . . .	2	65	67
Prisoners of War	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "CALGARY" from escort duty 4.3.42.

(ii) H.M.C.S. "ANNAPOLIS" from escort duty 4.3.42.

(iii) H.M.C.S. "CLAYOQUOTE" from St. John's, Nfld. 28.2.42.

(iv) H.M.C.S. "ORILLIA" from Liverpool, N.S. 28.2.42.

- Departures -

(v) H.M.S. "ROCKINGHAM" for escort duty 1.3.42.

(vi) S.C. 72 under Ocean Escort of H.M.C. Ships "ST. LAURENT", "SHERBROOKE", "RIMOUSKI", "EYEBRIGHT", "KAMSACK", "TRILLIUM". Local Escort of H.M. Ships "CALDWELL", "LAUDERDALE" and H.M.C. Ships "SACKVILLE", "SHERBROOKE", "THUNDER" 28.2.42.

(vii) H.X. 178 under Ocean Escort of U.S. Ships " GLEAVES", "SPENCER" and H.M.C. Ships "BITTERSWEET", "CHILLIWACK", "ALGOMA", "SHEDIAC". Local Escort of H.M. Ships "WALKER", "WITHERINGTON", H.M.C. Ships "OAKVILLE", "CALGARY", "DRUMMONDVILLE" 3.3.42.

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- At St. John's -

- Arrivals -

(viii) H.M.C.S. "ALGOMA" from escort duty 27.2.42.

(ix) H.M.C.S. "CHAMBLY" from escort duty 27.2.42.

(x) H.M.C.S. "CHILLIWACK" from escort duty 27.2.42.

(xi) H.M.C.S. "DAUPHIN" from escort duty 28.2.42.

(xii) H.M.C.S. "LOUISBURG" from escort duty 28.2.42.

(xiii) H.M.C.S. "MINAS" from escort duty 28.2.42.

(xiv) H.M.C.S. "LETHBRIDGE" from escort duty 1.3.42.

(xv) H.M.C.S. "QUINTE" from escort duty 1.3.42.

(xvi) H.M.C.S. "MIDLAND" from escort duty 2.3.42.

(xvii) H.M.S. "RAMSEY" from Halifax 2.3.42.

(xviii) H.M.C.S. "GANANOQUE" from escort duty 3.3.42.

(xix) H.M.C.S. "THE PAS" from duty 3.3.42.

(xx) H.M.C.S. "UNGAVA" from escort duty 3.3.42.

(xxi) H.M.S. "BEVERLEY" from Halifax 3.3.42.

(xxii) H.M.C.S. "LUNENBURG" from escort duty 4.3.42.

(xxiii) H.M.S. "BURNHAM" from escort duty 5.3.42.

(xxiv) H.M.S. "KINGCUP" from Halifax 5.3.42.

(xxv) H.M.S. "LOOSESTRIFE" from Halifax 5.3.42.

(xxvi) H.M.S. "READING" from escort duty 5.3.42.

(xxvii) H.M.C.S. "COWICHAN" from escort duty 5.3.42.

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(xxviii) H.M.C.S. "SHAWINIGAN" from Halifax 5.3.42.

- Departures -

(xxix) H.M.C.S. "BARRIE" for escort duty 26.2.42.

(xxx) H.M.C.S. "BUCTOUCHE" for escort duty 27.2.42.

(xxxi) H.M.C.S. "DUNVEGAN" for escort duty 27.2.42.

(xxxii) H.M.C.S. "NAPANEE" for escort duty 27.2.42.

(xxxiii) H.M.C.S. "HALIFAX" for escort duty 28.2.42.

(xxxiv) H.M.C.S. "ST. CLAIR" for escort duty 28.2.42.

(xxxv) H.M.C.S. "QUINTE" for escort duty 1.3.42.

(xxxvi) H.M.C.S. "GODERICH" for escort duty 2.3.42.

(xxxvii) H.M.S. "RAMSEY" for escort duty 2.3.42.

(xxxviii) H.M.C.S. "GEORGIAN" for escort duty 3.3.42.

(xxxix) H.M.C.S. "UNGAVA" for escort duty 3.3.42.

(xl) H.M.S. "BEVERLEY" for escort duty 3.3.42.

(xli) H.M.C.S. "KAMSACK" for escort duty 5.3.42.

(xlii) H.M.C.S. "ST. LAURENT" for escort duty 5.3.42.

(xliii) H.M.C.S. "SHERBROOKE" for escort duty 5.3.42.

(xliv) H.M.C.S. "TRILLIUM" for escort duty 5.3.42.

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DIRECTOR OF OPERATIONS DIVISION

Atlantic Coast

U-Boat Activities

During the past week U-boats have continued to attack shipping along the Atlantic Coast.

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Moving farther South the enemy have concentrated their activities to the Caribbean Area.

The following list gives particulars of ships reported sunk in the Western Atlantic as a result of U-boat action during the past week.

TIME	NAME OF SHIP	POSITION Lat.(N)	Long.(W)	REMARKS
0700Z/18	"OLINDA" (Braz.)	Near Winter Quarter Shoal		47 survivors landed Norfolk.
----/23	"LENNOX" (Br)	09°15'	58° 30'	Survivors landed at Georgetown.
0230Z/24	"INVERARDER" (Br)	44° 22'	42° 40'	In O.N. 67, 42 survivors landed Halifax by "TOWARD" (Rescue ship).
0230Z/24	"EIDANGER" (Nor)	On route of O.N. 67		In O.N. 67, survivors landed Halifax by "TOWARD"
0510Z/22	"ADELLEN" (Br)	49° 23'	38° 29'	In O.N. 67, 11 survivors landed Halifax by "TOWARD"
1855Q/21	"J.N. PEW" (U.S.)	225 miles west Aruba.		2 survivors.
0510Z/22	"SAMA" (Nor)	49° 23'	38° 29'	In O.N. 67, 19 survivors landed Halifax by U.S.S. "NICHOLSON".
-----/14	"DIXIE SWORD"	Unknown		Definitely sunk.
1931Z/27	"ORARI" (Br)	41° 31'	51° 51'	Listed as having sailed O.N. 67.
0330Z/27	Unknown M.V.	35° 30'	74° 58'	Sunk.
0900Z/28	Unknown M.V.	37° 00'	74° 32'	Sunk.
-----/27	"MAC GREGOR" (Br)	Off San Domingo		Sunk.
-----/--	"CITIES SERVICE EMPIRE" (U.S.)	Caribbean Sea		Sunk.

The following ships were attacked but not yet reported sunk:

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TIME	NAME OF SHIP	POSITION Lat.(N)	POSITION Long.(W)	REMARKS
-----/24	"EMPIRE CELT" (Br)	46° 45'	49° 44'	Torpedoed and broke in half. Rescue ship going to assistance "CITADELLE" arr. St. John's, Nfld. Feb. 27th with 31 survivors and H.M.S. "ST. ZENO" arr. Feb. 27th with 14 survivors.
2000/23	"EMPIRE HAIL"	44° 28'	40° 21'	Believed torpedoed (O.N. 66).
0440Z/27	"R.P. RESOR" (U.S.)	Approx. 40° 10'	73° 55'	Torpedoed, no further report.
0248Z/28	"SAN AMBROSIO" (Br)	27° 57'	75° 27'	Attacked no further report.
0009/1	"CARPERBY" (Br)	39° 57'	55° 40'	Torpedoed, no further report.
0010/1	"PLEIODON" (Br)	39° 57'	55° 40'	Torpedoed, no further report.
1815Z/27	Unknown M.V.	18° 23'	63° 56'	No further report.
0820Z/27	Unknown M.V.	19° 51'	69° 43'	No further report.
1524Z/28	Unknown M.V.	24° 22'	81° 31'	No further report.
1603Z/3	Unknown M.V.	26° 41'	89° 02'	No further report.

ATTACKS ON CONVOYS

O.N. 67 -

O.N. 67 was escorted by 4 American Destroyers and had in company the rescue ship "TOWARD". The Convoy was first attacked on the 22nd of February in position 49° 23' N., 38° 29' W. and 2 ships were torpedoed and sunk. Two days later 2 more ships were sunk and a further 2, "EMPIRE CELT" and "DILMA" torpedoed. "DILMA" arrived safely in Halifax, but "EMPIRE CELT" ran into heavy weather and broke in two 30 miles

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East of St. John's. Efforts are being made to sail the bow and stern portions of "EMPIRE CELT", which are still afloat.

No details have been received of any counter attacks by the U.S. Escort.

S.C. 70 -

A submarine on the surface was sighted by the Escort of S.C. 70 at 0400Z/24 in position 54° 08' N., 32° 05' W. Submarine was attacked by gunfire but escaped and there were no casualties in the convoy.

COUNTER ATTACKS

At 1655Z/2 a submarine was attacked by aircraft in 43° 26' N., 61° 00' W. (about 130 miles 120° from Halifax.) Result of attack unknown.

PACIFIC COAST

On March 1st, S.S. "W.H. BERG" was shelled by U-boat in position 37° 25' N., 123° 28' W., but no further report has been received.

All available craft are at present engaged in patrolling the West Coast and Queen Charlotte Island.

H.M.C. Auxiliary Cruiser "PRINCE ROBERT" completed refit February 28th and is now ready for service.

H.M.T. "QUEEN ELIZABETH" is now refitting at Esquimalt and will complete on March 10th.

GENERAL

On the 2nd March, U.S. Destroyer "JACOB JONES" was torpedoed and sunk close in shore off Cape May.

On the 3rd March, unexplained explosions took place on the shore line close to the entrance of St. John's Harbour (Newfoundland). Observers reported heavy detonations and columns of water, and the most probable explanation is thought to be an attempt by U-boats to fire torpedoes into the Harbour from maximum range.

H.M.C. Auxiliary Cruiser "PRINCE HENRY" acting under the order of U.S. Naval Authorities is searching the coast of French Guiana for suspected submarine bases.

H.M.S. "CANDYTUFT" at present refitting at New York until 19th March was transferred to the U.S. Navy from the Newfoundland Escort Force a.m. 4th March.

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CONVOYS

A convoy comprising 26 ships of which 18 were British, 3 Norwegian, 2 U.S., 2 Dutch, 1 Belgian sailed from Halifax on February 25th under the A/S Escort of U.S.S. "INGHAM" and H.M.C. Ships "CHAMBLY", "ROSTHERN", "MAYFLOWER", "BARRIE".

Note: Information incomplete for last week's report.

A Slow Convoy comprising 21 ships of which 13 were British, 2 Norwegian, 3 U.S., 1 Panamanian, 1 Greek, 1 Dutch sailed from Halifax on February 28th under the A/S Escort of H.M.C. Ships "ST. LAURENT", "SHERBROOKE", "RIMOUSKI", "EYEBRIGHT", "KAMSACK", "TRILLIUM".

A convoy comprising 23 ships of which 11 were British, 6 Norwegian, 4 U.S., 1 Belgian, 1 U.S.S.R. sailed from Halifax on March 3rd under the A/S Escort of U.S. Ships "GLEAVES", "SPENCER", H.M.C. Ships "BITTERSWEET", "CHILLIWACK", "ALGOMA", "SHEDIAC".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety-three D.E.M.S. inspections were carried out this week in the following ports: Halifax (78), Saint John (10), Sydney (2), Esquimalt (3).

(b) Information in connection with arming etc. has been received regarding the following ships:

"LIDO"	3" gun mounted	Saint John
"ASPASIA NOMIKOS"	In hand arming	Halifax

(c) The degaussing equipment of 90 ships was inspected this week in Canadian Ports; 76 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 10 ships in United States Ports.

(e) INSPECTOR OF CONTRACT BUILT SHIPS

M/S "FORT YORK" successfully passed Acceptance Trial.

(f) SENIOR TECHNICIAN; TECHNICAL DIVISION

It has been decided to install Sweeping Acoustic gear type "A" on the 2 105-foot wooden M/S now under construction. Advice from Admiralty has been requested in connection with the installation of Sweeping Acoustic type "A" on Corvettes.

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Decisions which will permit considerable further savings in tin and rubber have been arrived at during a committee meeting.

(g) SUPERINTENDENT OF A/S

A M/S was fitted with type 128 A/S gear this week. Personnel associated with A/S in general was reviewed in detail and an appreciation of the present situation was arrived at. Steps will be taken at once to provide for the shortages which exist.

(h) R.D.F. OFFICER

An officer proceeded by air to Porto Rico for maintenance duty of R.D.F. in H.M.C.S. "PRINCE HENRY".

Approximately 15 complete R.D.F. equipments type SW-2C are now at Halifax awaiting installation. Shipment of further quantities has been held up in order to reduce the fire hazard at any one point.

The first production type P2 receiver has been supplied to our field station and is now under approval tests.

(i) RESEARCH LIAISON OFFICER

The Research Liaison Officer has returned from an inspection trip to the West Coast. A detailed report of his findings has been made.

(j) SUPERINTENDENT OF BOOM DEFENCE

At Shelburne, N.S. there has been continuous activity, lifting nets for examination, replacing mooring rings on stretcher weights, and tending the boom, generally.

At Esquimalt construction of a new A/S apron net for Gate Closing Vessel, 14 meshes long and 6 meshes in depth was completed on the Slab and the net launched and moored near the launching ramp.

The Boom Defence stores and office building is reported ready for occupancy after many months of waiting, at Prince Rupert.

Inspector of Booms left for the East Coast in connection with the moving of the A/S boom at Shelburne to a new location, a considerable distance harbourward.

(k) DEGAUSSING OFFICER

Degaussing operations were carried out on 20 ships; 3 were depermed.

Degaussing specifications for Revised Patrol

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Vessels have been forwarded to the British Admiralty Technical Mission. Admiralty has been requested to send degaussing specifications for Algerine Class M/S.

Commander Bishop in New York has been informed that we shall probably require 200 sets of compass corrector equipment for merchant ships during 1942.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,688,249.79.

CHIEFS OF STAFF COMMITTEE
7th March 1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 14th March, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 123

(For week ending 14th March)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 12th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	411	3,449	3,860
R.C.N.R.	803	4,122	4,925
R.C.N.V.R.	2,450	18,657	21,107
TOTAL	3,664	26,228	29,892

Increase - 310

(b) Recruiting Activities from March 5th, 1942, to March 12th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	4	1	5
R.C.N.R.	14	21	35
R.C.N.V.R.	24	277	301
TOTAL	42	299	341

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
(a) Med. Unfit	1	8	9
(b) Other Reasons	1	19	20
TOTAL	2	29	31

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	3	3
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	3	3

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
200	1,385	1,585

2. CASUALTIES

(a) William Manzell, Able Seaman, R.C.N., O.N. 4000 missing in M.V. "VICTOLITE" believed sunk February 10th, 1942.

(b) Augustine J. Poulian, Able Seaman, R.C.N.R., O.N. A1126 fell off jetty and was drowned March 10th, 1942.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	43	420	463
Other Deaths.....	5	48	53
TOTAL	48	468	516
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "GODERICH" from escort duty 7.3.42.

(ii) H.M.C.S. "MOOSE JAW" from St. John's, Nfld., 8.3.42.

(iii) H.M.C.S. "THE PAS" from escort duty 8.3.42.

(iv) H.M.C.S. "CHEDABUCTO" from St. John's, Nfld., 9.3.42.

(v) H.M.C.S. "LUNENBURG" from St. John's, Nfld., 9.3.42.

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(vi) H.M.C.S. "QUINTE" from escort duty 9.3.42.

(vii) H.M.S. "RAMSEY" from escort duty 10.3.42.

(viii) H.M.C.S. "SUDBURY" from escort duty 10.3.42.

(ix) H.M.C.S. "CHARLOTTETOWN" from escort duty 11.3.42.

(x) H.M.C.S. "CALGARY" from escort duty 12.3.42.

- Departures -

(xi) S.C. 73 under Local Escort of H.M.C. Ships "ANNAPOLIS", "SASKATOON", "CALGARY", "MAHONE". Ocean Escort of H.M. Ships "READING", "PRIMROSE" and H.M.C. Ships "DAUPHIN", "LOUISBURG", "LETHBRIDGE", "SHAWINIGAN" 6.3.42.

(xii) H.X. 179 under Local Escort of H.M.S. "VERITY" and H.M.C. Ships "ST. CLAIR", "HALIFAX", "CLAYOQUOT", "CHARLOTTETOWN", "CALGARY", Ocean Escort of H.M. Ships "KINGCUP", "DIANELLA", "LOOSESTRIFE" 9.3.42.

(xiii) H.M.C.S. "MALPEQUE" from escort duty 10.3.42.

- At St. John's -

- Arrivals -

(xiv) H.M.S. "BURWELL" from escort duty 10.3.42.

(xv) H.M.C.S. "DRUMMONDVILLE" from escort duty 10.3.42.

(xvi) H.M.C.S. "OAKVILLE" from escort duty 10.3.42.

- Departures -

(xvii) H.M.S. "BURNHAM" for Charleston, S.C. 5.3.42.

(xviii) H.M.C.S. "BITTERSWEET" for escort duty 7.3.42.

(xix) H.M.C.S. "CHILLIWACK" for escort duty 7.3.42.

(xx) H.M.C.S. "EYEBRIGHT" for escort duty 7.3.42.

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(xxi) H.M.C.S. "ALGOMA" for escort duty 8.3.42.

(xxii) H.M.C.S. "SHEDIAC" for escort duty 7.3.42.

(xxiii) H.M.C.S. "GEORGIAN" for Halifax 10.3.42.

(xxiv) H.M.C.S. "SACKVILLE" for escort duty 10.3.42.

(xxv) H.M.S. "PRIMROSE" for escort duty 11.3.42.

(xxvi) H.M.S. "READING" for escort duty 11.3.42.

(xxvii) H.M.C.S. "DAUPHIN" for escort duty 11.3.42.

(xxviii) H.M.C.S. "LETHBRIDGE" for escort duty 11.3.42.

(xxix) H.M.C.S. "MINAS" for escort duty 11.3.42.

(xxx) H.M.C.S. "NANAIMO" for Halifax 11.3.42.

(xxxi) H.M.C.S. "SHAWINIGAN" for escort duty 11.3.42.

(xxxii) H.M.C.S. "THUNDER" for escort duty 11.3.42.

DIRECTOR OF OPERATIONS DIVISION

Atlantic Coast

U-boat Activities

U-boats continue to operate off the Atlantic Coast but are now thought to be operating in areas outside the range of shore based aircraft. Northbound and Southbound shipping is now being routed close in shore, where, if submarines reappear, counter attacks can be made by aircraft.

Eight British A/S Trawlers have arrived at New York for duties off the Atlantic Coast of the United States. Most of the remaining sixteen have arrived at St. John's and are on passage to American Ports.

The following list gives particulars of ships reported sunk in the Western Atlantic as a result of U-boats' action during the past week.

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TIME	NAME OF SHIP	POSITION Lat.(N) Long.(W)	REMARKS
-----/3	"OREGON"	3 days out of Aruba	Torpedoed and sunk, 27 survivors.
1605Z/7	"UNIWALECO" (Br.)	13° 23'N 62° 04'W	Torpedoed and sunk.
0900Z/28Feb.	"EVERASMA" (Latv)	17°N 48°W	Torpedoed and sunk 1 boat with 15 survivors landed Vieuxfort March 5th.
0940Z/5	"COLLAMER" (U.S.)	44° 19'N 63° 09'W	Torpedoed and sunk cargo. Had been H.X. 178. 31 survivors.
Probably night of Feb. 27th.	"BAYOU" (U.S.)	Near Parimaribo 07° 36'N 58° 05'W (Approximately)	Torpedoed and sunk, 1 survivor.
2118Z/5	"O.A. KNUDSEN" (Nor)	26° 17'N 75° 50'W	Torpedoed and sunk. All rescued but one.
0110Z/6	"MELPOMENE" (Br.)	23° 39'N 63° 35'W	Torpedoed and sunk. Was due Baton Rouge, 14/3. 49 crew landed.
1130Z/0	"HANSEAT" (Pan.)	10' North of Cape Maysi 20° 10'N 74° 10'W	Torpedoed and probably sunk, crew saved. Tanker was en route Carifito from New York.
1600Z/26	"MARORE"	35° 36'N 75° 15'W	Torpedoed and sunk cargo vessel - Was en route Baltimore from Colon.
0445/10 or 0537Z/10	Unknown Ship	39° 40'N 74° 00'W	Torpedoed and sunk, no further report.
	The following ships were attacked but not yet reported sunk.		
2020Z/6	Unknown M.V.	10 miles S.E. of Key West 24° 26'N 81° 41'W	Reported by another ship.
0905Z/7	"CARDONIA" (U.S.)	Windward passage	Shelled by submarine. Cargo vessel. Was en route Santa Cruz from Ponce.

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TIME	NAME OF SHIP	POSITION Lat.(N) Long.(W)	REMARKS
1915Z/6	"BRASTAGI" (Dut.)	14° 42'N 73° 14'W	Unsuccessfully attacked by submarine. Cargo vessel. Believed en route New York from Capetown.
0039Z/12	"TEXAN" (U.S.)	21° 32'N 76° 24'W	Torpedoed. Cargo ship. Was en route Trinidad from New York.
0320Z/10	"CHARLES RACINE" (Nor.)	23° 10'N 60° 27'W	Torpedoed twice. Tanker. Was en route Baytown from United Kingdom.
1040Q/9	"UMTATA" (Br.)	At St. Lucia	Arrived St. Lucia 7/3 was to leave shortly for New York. Passenger Vessel.
1040Z/9	"LADY NELSON" (Br.)	Castries Harbour	Torpedoed alongside wharf. Passenger Vessel, arrived St. Lucia 8/3 from Dominicia.

COUNTER ATTACKS

At 1113P/7 March H.M.C. Corvette "SUMMERSIDE" while escorting O.N. 71 attacked a submarine contact about 450 miles east of St. John's, Newfoundland. Four attacks were carried out but no definite results obtained.

At 1606Z/7 March a plane attacked a submarine submerging, in 037° 30'N 069° 25'W. Result of attack unknown.

At 1755Z/8 March an aircraft attacked a submarine in 043° 48'N 063° 55'W. Result of attack unknown.

PACIFIC COAST

All available craft are at present engaged in patrolling the West coast and Queen Charlotte Islands.

H.M.C. Auxiliary Cruiser "PRINCE ROBERT" sailed from Esquimalt on March 7th for gunnery exercises off Nanoose. She is now patrolling off the West Coast of Vancouver and Queen Charlotte Islands until March 19.

H.M. Transport "QUEEN ELIZABETH" was undocked at Esquimalt on March 10 and is now en route to San Francisco.

On March 9th, H.M.C. Minesweeper "BELLECHASSE" attacked a contact while on patrol off the West Coast. The attack was unsuccessful and contact lost. "SANS PEUR", "BAYFIELD" and "CHIGNECTO" continued the search but with no success.

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GENERAL

At 1350Z/7 U.S. Destroyer "WILSON" reported sighting an oil slick starting in 029° 17'N 064° 29'W and extending South for a distance of 8 miles.

Considerable wreckage was sighted but there was no trace of any life boats.

On March 9th H.M.S. "WITCH" landed 38 survivors of S.S. "INDEPENDENCE HALL" at Halifax. Ten of the crew were lost when the "INDEPENDENCE HALL" grounded on Sable Island and broke in two. Rescue work was effected by H.M.S. "WITCH", "NIAGARA", "CHEDABUCTO" and "LUNENBURG" under very difficult conditions. Valuable assistance was afforded by aircraft from the Eastern Air Command.

As a result of the redistribution of rescue tugs in the North Atlantic H.M. Rescue tugs "PRUDENT", "FRISKY" and "TENACITY" have been allotted to St. John's, Newfoundland.

The Eastern Air Command reported on March 5th that the deck and conning tower of a U-boat sighted 100 miles south of Cape Race were a solid white. As the pilot was confident that this was not due to ice, it is believed possible that enemy submarines are being painted white for camouflage in waters where ice may be encountered.

On March 5th, Flag Officer, Newfoundland Force reported that metal fragments, identified as portions of a nose ring of a war head, were discovered in the vicinity of the scene of unexplained underwater explosions near St. John's on March 4th (See last week's report).

H.M. Tug "PRUDENT" which has been endeavouring to tow "DIALA" to St. John's was relieved by H.M. Tug "FRISKY" on March 11th. The A/S Trawler "ST. LOMAN" is en route to render A/S protection to "FRISKY". "PRUDENT" is returning to St. John's to refuel.

Commander-in-Chief, America and West Indies has been asked to release the two armed yachts "ELK" and "VISON" which have been on loan for A/S duty at Trinidad during the winter months. These are now urgently required for A/S escort duties in the Gulf of St. Lawrence. They are to be sailed to arrive at Halifax not later than April 15th.

P512, P514, (ex U.S. Submarines R17 and R19) were commissioned at New London P.M. March 9th. These two submarines are being allocated to Halifax and St. John's respectively for A/S training duties.

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CONVOYS

A convoy comprising 31 ships of which 17 were British, 4 Norwegian, 3 U.S., 5 Greek, 1 Panamanian, 1 Yugoslavian sailed from Halifax on March 6th under the A/S escort of H.M.C. Ships "DAUPHIN", "SHAWINIGAN", "LETHBRIDGE" and H.M.S. "PRIMROSE".

A convoy comprising 22 ships of which 14 were British, 4 Norwegian, 2 Dutch, 2 Panamanian sailed from Halifax on March 9th. A/S signal not yet received.

There were three independent trans-ocean sailings from the Atlantic Coast this week.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

As no reports for this week have been received the number of D.E.M.S. and D.G. inspections has been omitted.

(b) Information in connection with arming etc. has been received regarding the following ships:-

"AGHIOS GEORGIOS"	3" gun mounted	Halifax
"BERGANGER"	4" gun mounted	Esquimalt
"FOUNDATION FRANKLIN"	Two 3 Pdr. guns mounted	Halifax
"WATERTON"	In hand arming	Halifax
"FORT QU'APPELLE"	In hand arming	Esquimalt

(c) The British Ministry of War Transport New York reported that Degaussing has been installed on 14 ships in United States Ports.

(d) SENIOR TECHNICIAN; TECHNICAL DIVISION

In regard to acoustic minesweeping, a signal received from Admiralty recommends that no immediate plans be made for installing Sweeping Acoustic Type A on Corvettes.

The monthly meeting of the Chemical Warfare Interservice Advisory Board advises that reports indicate that the completion of the buildings and provision of equipment at Suffield is being delayed out of all reason, considering the importance of the work to be done by the Station.

(e) SUPERINTENDENT OF BOOM DEFENCE

Repair and maintenance work is being carried out on Boom defence gear at all bases.

At Halifax a new crawler tractor ordered in September has been received for use at the port.

At Shelburne an improvement in the ice conditions is reported, but no damage was caused by ice at any time to the flotation of the nets.

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Major activity for the week at Prince Rupert was the laying of the Metlakatla Passage A/B boom and the passage closed as from 0900 Monday March 2nd.

(f) SUPERINTENDENT OF A/S

The total number of ships in service fitted with A/S gear, plus the number fitted but not yet in service, are listed. These figures exclude losses and therefore represent the strength of R.C.N. operated A/S vessels to date:-

		R.C.N.	R.N.	TOTAL
Corvettes		60	8	68
Minesweepers		29	6	35
Fairmiles		13		13
Auxiliary Cruisers				1
River (Destroyers)	(British gear)			6
Town (Destroyers)	(American gear)			7
Armed Yachts				12
F.P.				1

A request has been received from British Admiralty Technical Mission to provide technical assistance in respect of trials of Type 134 A/S gear fitted in a Motor Torpedo Boat at Greenwich, Connecticut. Arrangements are under way to assist.

(g) INSPECTOR OF CONTRACT BUILT SHIPS

Trials of New Construction were carried out with respect to H.M.C. Fairmiles "Q-066" and "Q-068", whose Acceptance Trials were satisfactorily completed 7.3.42; M/S "CANSO" successfully passed Acceptance Trial 6.3.42.

(h) RESEARCH LIAISON OFFICER

The Research Liaison Officer has been ill, and no report is available for this week.

(i) DEGAUSSING OFFICER

No report has been received this week.

(j) R.D.F. OFFICER

No report has been received this week.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $325,176.00.

CHIEFS OF STAFF COMMITTEE
14th March
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 21st March, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 124

(For week ending 21st March)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 19th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	412	3,457	3,869
R.C.N.R.	809	4,153	4,962
R.C.N.V.R.	2,480	18,966	21,446
TOTAL	3,701	26,576	30,277

Increase - 385

(b) Recruiting Activities from March 12th, 1942, to March 19th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	8	11
R.C.N.R.	6	44	50
R.C.N.V.R.	33	323	356
TOTAL	42	375	417

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	2	0	2
(a) Med. Unfit	1	9	10
(b) Other reasons	2	18	20
TOTAL	5	27	32

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
185	1,528	1,713

2. CASUALTIES

(a) George H. TIDY, Lieutenant (S.B.) R.C.N.V.R. missing believed killed on Active Service.

(b) Richard H. LEIR, Midshipman R.C.N. missing believed killed on Active Service.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	45	420	465
Other Deaths.....	5	48	53
TOTAL.....	50	468	518
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "SACKVILLE" from escort duty 14.3.42.

(ii) H.M.C.S. "SNOWBERRY" from escort duty 14.3.42.

(iii) H.M.C.S. "LOUISBURG" from escort duty 15.3.42.

(iv) H.M.C.S. "MATAPEDIA" from escort duty 15.3.42.

(v) H.M.C.S. "THUNDER" from escort duty 15.3.42.

(vi) H.M.S. "CALDWELL" from escort duty 15.3.42.

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(vii) H.M.C.S. "ANNAPOLIS" from St. John's, Nfld., 16.3.42.

(viii) H.M.C.S. "CLAYOQUOT" from St. John's, Nfld., 17.3.42.

(ix) H.M.C.S. "DRUMMONDVILLE" from escort duty 17.3.42.

(x) H.M.C.S. "HALIFAX" from St. John's, Nfld., 17.3.42.

(xi) H.M.C.S. "OAKVILLE" from escort duty 17.3.42.

(xii) H.M.C.S. "ST. CLAIR" from St. John's, Nfld., 17.3.42.

(xiii) H.M.S. "WALKER" from escort duty 17.3.42.

- Departures -

(xiv) H.X. 180 under Local escort of H.M.S. "VANQUISHER" and H.M.C. Ships "SUDBURY", "LUNENBURG", "SUMMERSIDE", "UNGAVA". Ocean Escort of H.M.C.S. "PICTOU", and H.M. Ships "GENTIAN", "CLEMATIS", "VERVAIN" 15.3.42.

(xv) S.C. 75 under Local Escort of H.M. Ships "RAMSAY", "LAUDERDALE" and H.M.C. Ships "ARROWHEAD", "CHICOUTIMI", "QUINTE" and Ocean escort H.M.S. "PIORIN" and "NARCISSUS".

(xvi) H.M.C.S. "OTTAWA" for escort duty 18.3.42.

- At St. John's -

- Arrivals -

(xvii) H.M.C.S. "MALPEQUE" from Halifax 15.3.42.

(xviii) H.M.S. "MONTGOMERY" from escort duty 15.3.42.

(xix) H.M.C.S. "GEORGIAN" from Halifax 16.3.42.

(xx) H.M.C.S. "MORDEN" from escort duty 16.3.42.

(xxi) H.M.C.S. "COWICHAN" from patrol 19.3.42.

(xxii) H.M.C.S. "NIAGARA" from escort duty 19.3.42.

- Departures -

(xxiii) H.M.C.S. "MAHONE" for escort duty 14.3.42.

(xxiv) H.M.C.S. "SASKATOON" for escort duty 15.3.42.

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(xxv) H.M.C.S. "PICTOU" for escort duty 16.3.42.

(xxvi) H.M.S. "NARCISSUS" for escort duty 16.3.42.

CONVOYS

A convoy comprising 35 ships of which 18 were British, 5 Greek, 5 Norwegian, 1 Dutch, 1 Panamanian, 3 U.S., 2 Polish sailed from Halifax on March 12th. No A/S Escort Signal has been received as yet.

A convoy comprising 35 ships of which 25 were British, 4 Norwegian, 3 U.S., 1 Greek, 1 Swedish, 1 Panamanian sailed from Halifax on March 15th under the A/S Escort of U.S. Ships "EDISON", "GENTIAN", "CLEMATIS", "VERVAIN", "PICTOU".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-boat Activities

U-boat activities on the Canadian Coast have remained unchanged during the last week, however, the New England coast has come in for a concentrated attack and sinkings have occurred close to shore in the Cape Hatteras area.

The following list gives particulars of the ships sunk in the western Atlantic as a result of U-boat action during the past week.

TIME	NAME OF SHIP	POSITION Lat.(N) Long.(W)	REMARKS
0341Z/13	"JOHN D. GILL" (U.S.)	33°43'N 77°35'W by "MERCURY SUN"	Explosion reported eight miles south.
2330Z/8	"CAYRU" (Braz.)	39° 10'N 72° 02'W	32 Survivors and 1 body picked up.
0052Z/11	"HVSOLEF" (Nor)	38° 27'N 74° 54'W	14 of crew of twenty saved.
-----/12	"CYGNET" (Pan)	24° 02'N 74° 17'W	
0630Z/7	"BARBARA" (U.S.)	Approx. 20° 10'N 23° 04'W	Reported as sinking.

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TIME	NAME OF SHIP	POSITION Lat.(N) Long.(W)	REMARKS
0630Z/13	"TOLTEN" (Chile)	39° 46'N 74° 06'W	One survivor.
0430Z/12	"OLGA" (U.S.)	North Puerto Padre Cuba	32 survivors.
0701Z/11	"CARIBSEA" (U.S.)	Cape Lookout (appro.) 34° 35'N 76° 25'W	Seven survivors.
0025Z/17	"SAN DEMETRIO" (Br)	37° 03'N 73° 50'W probably sunk.	Ships abandoned,
1634Z/13	"DAYTONIAN"	26° 33'N 74° 43'W	Sunk by Italian sub.
0200 /14	"LEMUEL BURROWS"	Approx. 39° 25'N 74° 15'W	
0944 /15	"ACACIA" (U.S.S.)	16° 17'N 63° 44'W	U.S. Coast Guard Cutter.
1927Z/14	"RESOURCE" (Br.)	36° 01'N 65° 49'W	Believed torpedoed and sunk.
1623Z/3	"MARY" (U.S.)	08° 25'N 52° 50'W	
1645Z/9	"LILY" (Gr)	43° 32'N 54° 14'W 29 survivors rescued by H.M.C.S. "SACKVILLE".	Straggler in O.N. 68
2145Z/17	Unidentified tanker	Off Diamond Shoals	Sinking, crew abandoning.
1945/13	"PENELOPE" (Pan)	15° 00'N 64° 20'W	47 survivors.
0130Q/18	Unknown tanker	34° 50'N 75° 35'W	

The following ships were attacked, but further word as to their fate, has not yet been received.

0415Z/13	"COLABEE" (U.S.)	22° 10'N 77° 35'W	Reported by S.S. Helen (U.S
0715Z/8	"ESSO BOLIVAR" (Pan)	Windwar Passage	
0411Z/15	"OLEAN" (U.S.)	15' South Cape Lookout	
0531Z/15	"ARIO" (U.S.)	10' East Cape Lookout	
1434Z/15	"BERWENGLEN" (U.S.)	39° 05'N 74° 35'W	
1437Z/15	"TACHIRA" (U,S,)	39° 03'N 74° 38'W	

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TIME	NAME OF SHIP	POSITION Lat.(N) Long.(W)	REMARKS
2010Z/15	"ATHELQUEEN" (Br)	26° 50'N 75° 40'W	Had been in O.S.20
1802Z/16	"AUSTRALIA" (U.S.)	Diamond Shoal buoy Thought to be torpedo.	Explosion aft.
2200Z/17	"ACME" (U.S.)	Off Diamond Shoal	
2230Z/6	"TONSBERGFJORD" (Nor)	? ship probably sank.	1 survivor -
0349Z/19	"W.E. HUTTON"	34° 20'N 76° 45'W	

COUNTER ATTACKS

U.S.S. "NICHOLSON", while escorting N.A. 5 which sailed from Halifax on March 14th, reported that she had made two depth charge attacks on sound contacts at 1610 and 1620 G.M.T. on March 14th. No further report was made.

At 0704 G.M.T. March 18th, H.M.C.S. "ST. FRANCIS" while escorting O.N. 76, attacked a submarine contact in 055° 20'N 013° 38'W. At 1116 G.M.T., contact was regained and H.M.C.S. "ST. FRANCIS" assisted by H.M.C.S. "TRAIL" carried out five attacks in the same position. Two large air bubbles appeared after a deep attack. At last reporting, these ships were still investigating.

PACIFIC COAST

A constant patrol of the British Columbia coast and Queen Charlotte Islands is being carried out by all available craft under the operational direction of Commanding Officer Pacific Coast.

On 13th March while patrolling the Straits of Juan de Fuca, H.M.C.S. "TIMMINS" obtained a submarine contact and carried out two attacks. After the second attack, at 1400 contact was lost and attacks discontinued. At 1515 the R.C.A.F. patrols reported a large oil slick in the approximate position of these attacks. H.M.C.S. "TIMMINS" in company with "EDMUNDSTON", "SANS PEUR" and "BELLECHASSE" carried out a search of the area but with no further success. A sample of the oil was taken and from the recorder trace, it is believed that the attack was made on a definite submarine contact.

GENERAL

H.M.T. "QUEEN MARY" arrived Capetown March 14 from Boston and dispelled any anxiety that might have been felt for her following the German claim of a successful attack.

H.M.T. "QUEEN ELIZABETH" arrived at San Francisco at 1430Z/13 March from Esquimalt.

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Admiralty has proposed discontinuing the early dispersal, from O.N. convoys, of ships routed for ports north of, and including, Jacksonville, and to retain them in convoy until they are within range of air escort. American authorities have agreed. An alternative suggestion to route O.N. convoys to Halifax for onward convoy is not at present practical due to lack of escorts.

H.M. Submarine "SEVERN", escorted by H.M.C.S. "CALGARY" and "CHARLOTTETOWN" sailed Halifax on March 13 and arrived Philadelphia March 16. H.M.C.S. "CALGARY" and "CHARLOTTETOWN" are to make the return trip starting March 19 and are to act as escort for submarines P512 and P514 which have been allocated to Halifax and St. John's respectively for A/S training duties.

The R.N. A/S Trawler "NORTHERN PRINCESS" has been reported overdue at New York from St. John's, Newfoundland. She was last seen in position 45° 29'N 55° 40'W at 1856Z/7 by three other A/S Trawlers who were in company with her. At this time she was hove to in a gale and lost contact with the other three. On the 15th aircraft reported a capsized lifeboat which might have belonged to the "NORTHERN PRINCESS".

H.M. Rescue tugs "PRUDENT" and "FRISKY" are leaving St. John's March 19 to make another attempt to salvage "DIALA". At present the A/S trawler "ST. LOMAN" is standing by "DIALA" in 049° 09'N 036° 42'W.

Salvage tug "FOUNDATION FRANKLIN" has made two unsuccessful attempts to find the "EMPIRE CELT" which was last reported in position 46° 45'N 51° 28'W at 1746Z/4 March.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety-eight D.E.M.S. inspections were carried out this week in the following ports: Halifax (78), Saint John (12), Esquimalt (7), Sydney (1).

(b) Information in connection with arming etc. has been received regarding the following ship:-

"ELGIN"	3" gun mounted	Saint John, N.B.

(c) The degaussing equipment of 97 ships was inspected this week in Canadian Ports; 91 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 21 ships in United States Ports.

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(e) INSPECTOR OF CONTRACT BUILT SHIPS

Trials were carried out for H.M.C.S. "KELOWNA" and H.M.C.S, "COURTENAY" at Prince Rupert and "Q-070" was accepted at New Westminster, B.C.

A preliminary inspection has revealed that the ports of the St. Lawrence and Great Lakes area should have the following ships ready for trials in April.

15 Fairmiles
5 Corvettes
2 Diesel Minesweepers
2 105-ft. Wooden Minesweepers
1 Base Supply Ship (possibly)

(f) DEGAUSSING OFFICER

During the past two weeks Degaussing operations were carried out on twenty-eight ships and four vessels were depermed.

According to Rear Admiral Barry, Director of Degaussing, U.S.A., who spent a day in Ottawa last week, Canada's supply of degaussing equipment is comparatively better than that of the United States. As a means of rubber conservation, specifications are being revised to eliminate rubber in degaussing equipment on unfinished and future orders.

It is considered advisable to have a Corvette placed at the disposal of the National Research Council and D.G. Staffs in Halifax for experimental purposes with regard to fitting of permanent internal degaussing coils in Corvettes.

Approval is expected in regard to the request of the Northern Electric Company to stock $20,000.00 worth of degaussing equipment.

(g) SENIOR TECHNICIAN; TECHNICAL DIVISION

Deliveries of machinery and parts for Magnetic Minesweeping have been disappointing.

A number of samples of different compositions of rubber are now at the National Research Council. Physical tests are being made so that engineering specifications can be written to act as a guide in searching for substitute materials.

A series of demonstrations in Chemical Warfare are to be made this week at Suffield, Alberta.

(h) SUPERINTENDENT OF BOOM DEFENCE

Routine inspection and maintenance was carried out at Halifax, Shelburne and St. John's, Nfld. The improvements under way at Prince Rupert are nearing completion.

At Sydney and Gaspe the A/S nets and gear are stowed ashore for the winter season.

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(i) SUPERINTENDENT OF A/S

A/S trained ratings as of March 13 were as follows:

	R.C.N.	R.C.N.V.R.	TOTAL
Submarine Detector Instructor	4		4
Harbour Submarine Detector	58	46	104
Submarine Detector	95	456	551

During the week an R.C.N.V.R. Officer completed the A/S installation on a Motor Torpedo Boat at Greenwich, Connecticut, and with S.A/S completed the trials.

Naval Staff directed that A/S installations be arranged for the four modified Bassett class of M/S.

(j) R.D.F. OFFICER

The U.S. Navy and the Netherlands Government have requested a supply of certain types of R.D.F. sets, and some sets have already been delivered. No difficulty in supply is anticipated.

The present position of R.D.F. fittings, omitting River Class Destroyers and Auxiliary Cruisers, is as follows:

32 Corvettes completed
13 Corvettes in progress
1 Bangor Minesweeper completed
2 Town Class Destroyers in progress

The first installation of R.D.F. in Fairmiles is expected to be made on 1st April.

(k) RESEARCH LIAISON OFFICER

The problem of providing reliable means of detection of small submarines and surface craft in the vicinity of Harbour Booms is being studied and several methods have shown considerable promise.

A Senior Scientist of the Scientific Research and Experiment Department has gone to Vancouver to supervise the completion of the Degaussing Range.

Various tests have been made on new-type Life-Saving suits for suitability for use in the R.C.N.

The Chemistry Division is investigating the properties of various substitute materials for rubber and scarce metals.

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Several types of grease for the prevention of adherence of ice to armament have been prepared and forwarded to the coast for trials.

The Ford Motor Company have forwarded samples of reclaimed paint, which are being examined for possible uses as a base paint or in camouflage.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $165,280.00.

CHIEFS OF STAFF COMMITTEE
21st March,
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16

Ottawa, 28th March, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 125

(For week ending 28th March)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at March 26th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	416	3,457	3,873
R.C.N.R.	811	4,178	4,989
R.C.N.V.R.	2,505	19,276	21,781
TOTAL	3,732	26,911	30,643

Increase - 366

(b) Recruiting Activities from March 19th, 1942, to March 26th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	4	0	4
R.C.N.R.	5	26	31
R.C.N.V.R.	25	335	360
TOTAL	34	361	395

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	2	3
(a) Med. Unfit	0	7	7
(b) Other Reasons	2	17	19
TOTAL	3	26	29

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	1	1
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	3	3
TOTAL	0	5	5

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
178	1,482	1,660

2. CASUALTIES

(a) James M. RICHARDSON, Skipper Lieutenant, R.C.N.R., died March 8th, 1942.

(b) Philip G. MacNEIL, Motor Mechanic, O.N. F.R. 437, died March 23, 1942.

(c) Leonard M. CAIRNS, Ord. Smn., V11609, accidentally killed.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	45	421	466
Other Deaths.....	6	49	55
TOTAL.....	51	470	521
Wounded or Injured.....	2	65	67
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.S. "VANOC" from escort duty 20.3.42.

(ii) H.M.C.S. "CALGARY" from New London 21.3.42.

(iii) H.M.C.S. "CHARLOTTETOWN" from New London 21.3.42.

(iv) H.M.C.S. "OTTAWA" from escort duty 22.3.42.

(v) H.M.C.S. "SNOWBERRY" from escort duty 23.3.42.

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(vi) H.M.S. "CARADOC" from Norfolk 23.3.42.

(vii) H.M.C.S. "ANNAPOLIS" from escort duty 24.3.42.

(viii) H.M.C.S. "MALPEQUE" from escort duty 24.3.42.

(ix) H.M.C.S. "MINAS" from escort duty 24.3.42.

(x) H.M.C.S. "GANANOQUE" from escort duty 26.3.42.

(xi) H.M.C.S. "NIAGARA" from escort duty 26.3.42.

(xii) H.M.C.S. "THE PAS" from escort duty 26.3.42.

(xiii) H.M.S. "WITCH" from escort duty 26.3.42.

- Departures -

(xiv) H.X. 181 under Local escort of H.M.S. "CALDWELL" and H.M.C. Ships "MATAPEDIA", "FREDERICTON", "RED DEER". Ocean Escort of H.M. Ships "FIREDRAKE", "BURWELL", "ARELIA", "ANEMONE", "MIMOSA" 21.3.42.

(xv) H.M.C.S. "ST. CLAIR" for escort duty 21.3.42.

(xvi) S.C. 76 under Local escort of H.M. Ships "VETERAN", "MONTGOMERY" and H.M.C. Ships "OAKVILLE", "NANAIMO", "NIPIGON", "ORILLIA". Ocean escort of H.M.C. Ship "MORDEN" and H.M. Ships "HAVELOCK", "CAMELIA", "PIMPERNEL". 24.3.42.

(xvii) H.M.C.S. "BURLINGTON" for patrol 25.3.42.

(xviii) H.M.C.S. "CHEDABUCTO" for escort duty 25.3.42.

- At St. John's -

- Arrivals -

(xix) H.M.C.S. "ALBERNI" from escort duty 20.3.42.

(xx) H.M.C.S. "COLLINGWOOD" from escort duty 20.3.42.

(xxi) H.M.S. "DIANTHUS" from escort duty 20.3.42.

(xxii) H.M.C.S. "ASSINIBOINE" from escort duty 21.3.42.

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(xxiii) H.M.C.S. "FENNEL" from escort duty 22.3.42.

(xxiv) H.M.C.S. "BRANDON" from escort duty 22.3.42.

(xxv) H.M.C.S. "AMHERST" from escort duty 23.3.42.

(xxvi) H.M.C.S. "HEPATICA" from escort duty 23.3.42.

(xxvii) H.M.C.S. "ST. CLAIR" from escort duty 23.3.42.

(xxviii) H.M.S. "RAMSEY" from escort duty 23.3.42.

(xxix) H.M.S. "ACANTHUS" from escort duty 25.3.42.

(xxx) H.M.C.S. "COWICHAN" from Argentia 25.3.42.

- Departures -

(xxxi) H.M.S. "CHESTERFIELD" for escort duty 22.3.42.

(xxxii) H.M.S. "CHURCHILL" for escort duty 22.3.42.

(xxxiii) H.M.C.S. "GEORGIAN" for patrol 23.3.42.

(xxxiv) H.M.S. "BURWELL" for escort duty 23.3.42.

(xxxv) H.M.C.S. "ARROWHEAD" for escort duty 24.3.42.

(xxxvi) H.M.C.S. "CHICOUTIMI" for escort duty 24.3.42.

(xxxvii) H.M.C.S. "LUNENBURG" for escort duty 24.3.42.

(xxxviii) H.M.C.S. "MORDEN" for escort duty 24.3.42.

(xxxix) H.M.C.S. "SUDBURY" for escort duty 24.3.42.

(xl) H.M.C.S. "SUMMERSIDE" for escort duty 24.3.42.

(xli) H.M.C.S. "UNGAVA" for escort duty 24.3.42.

(xlii) H.M.S. "VANQUISHER" for escort duty 24.3.42.

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(xliii) H.M.C.S. "QUINTE" for escort duty 25.3.42.

(xliv) H.M.S. "CARADOC" for United Kingdom 25.3.42.

(xlv) H.M.S. "WANDERER" for Halifax 25.3.42.

(xlvi) H.M.S. "LAUDERDALE" for escort duty 26.3.42.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-boat Activities

Attacks and sinkings during the past week indicate that U-boats are still operating close to shore along the Atlantic Coast, particularly in the Cape Hatteras area.

It has been suggested by Flag Officer, Newfoundland Force that, in order to facilitate more efficient and extensive air protection, consideration be given to routeing convoys closer to Newfoundland subject to ice conditions.

The following list gives particulars of the ships sunk in the Western Atlantic as a result of U-boat action during the past week.

TIME	NAME OF SHIP	POSITION	REMARKS
1430Z/19	"LIBERATOR" (U.S.)	3' East Diamond Shoals Buoy	
2245Q/19	"PAPOOSE"	18' S.W. Cape Lookout. Approx. 34° 30'N. 76° 30'W.	
2315Z/17	"KASSANDRA LOULOUDIS" (Gr)	4' off Diamond Shoals	
0401Z/21	"ESSO NASHVILLE" (U.S.)	33° 58'N. 77° 06'W.	Torpedoed, broke in two pieces, sinking not definite.
Early March	"ASTREA" (Dutch)	29° 12'N. 64° 29'W.	
2020Z/23	"PEDER BOGEN" (Br.)	24° 51'N. 57° 44'W.	Ship being abandoned at last report - sinking not definite.

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TIME	NAME OF SHIP	POSITION	REMARKS
After 1900Z/20	"OAKMAR" (U.S.)	Approx. 36° 22'N 68° 50'W.	30 survivors picked up 23/3 by STAVROS S.S.S.S. received at 1900Z/20.
1350Z/23	"BRITISH PRUDENCE" (Br)	45° 28'N 56° 13'W	Was sailing to St. John's from Halifax when sunk 47 survivors in "WITHERINTON".
	The following ships were attacked, but no further word has been received as to the result of the attacks.		
0308Z/20	"GULF OF MEXICO" (U.S.)	8' S.W. Cape Lookout	Shelled by Sub.
0416Z/20	"MERCURY SUN" (U.S.)	16' South Cape Lookout	Shelled by Sub.
1423Z/20	"DAVILA" (Br)	37° 03'N. 60° 39'W.	
1810Z/20	"SANTA MONICA" (U.S.)	37° 57'N. 75° 05'W.	
0935Z/21	"ATLANTIC SUN" (U.S.)	33° 34'N. 77° 25'W.	
0854Z/21	"EMPIRE GOLD" (Br)	27° 11'N. 48° 35'W.	Under shell fire.
2245Z/21	Unknown	38° 48'N. 52° 44'W.	
-----/22	"ATHELVISCOUNT" (Br)	38° 34'N. 52° 08'W.	Torpedoed but seaworthy. Foundation Franklin sent to tow.
0010Z/23	"PANAMOCO" (U.S.)	27° 28'N. 80° 08'W.	
0056Z/23	"JOHN CABOT" (Br)	37° 30'N. 75° 45'W.	
1200Z/23	"NAECO" (U.S.)	33° 59'N. 76° 40'W.	
0102Z/24	"EMPIRE STEEL" (Br)	36° 36'N. 64° 02'W.	
0410Z/25	"NARRAGANSETT" (Br)	34° 46'N. 67° 40'W.	
0435Z/25	"IMPERIAL TRANSPORT (Br)	46° 06'N. 41° 55'W.	Thought salvageable. "MAYFLOWER" and "ACONITE" standing by.

COUNTER ATTACKS

At 1645 G.C.T. a U.S. Army bomber dropped a depth charge on a submarine crash diving in 034° 05'N. 076° 53' W. March 20th. Results of attack are unknown.

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A very hopeful attack was carried on March 23rd in position 44° 32' North 56° 28' W. An R.C.A.F. plane sighted an enemy submarine on the surface and attacked from a height of 50 feet dropping one depth charge which fell alongside between bow and conning tower. The bow of the submarine rose clear of the water and submarine disappeared stern first. A few moments later submarine again surfaced and second charge was dropped. The U-boat disappeared in a smother of oil and air bubbles and did not reappear.

H.M.S. "WITCH" reported that with H.M.C.S. "THE PAS" she had carried out five deliberate attacks on U-boats between 1628Z/24 and 1840Z/24 (no position given) dropping 40 depth charges. Some oil came to the surface but there was no definite evidence of destruction. Contact was later lost and both ships rejoined convoy O.N. 74.

At 1445Z/25 a U.S. Naval Ship made three attacks on a good sound contact in 040° 21' N. 067° 00' W. No report of results of attacks has been received.

At 1440Q/25 a U.S. Army plane attacked a submarine in 034° 40' N. 075° 25' W. No definite results were obtained.

PACIFIC COAST.

All available craft are being used for patrol duties on the Pacific Coast.

H.M.C.S. "PRINCE ROBERT" departed Esquimalt at 0244Z/25 for patrol off West Coast Vancouver Islands, and Queen Charlotte Islands.

H.M.C.S. "EDMUNDSTON" on Sheringham patrol attacked a contact in position 22° 30' Sheringham four miles at 0334/25. No further report has been received. It is probable that this attack was carried out on a known non sub contact.

GENERAL

The Free French corvette "MIMOSA" has now returned to Mid Ocean escort duties. Arrangements are being made for a Free French corvette to proceed to St. Pierre between convoys.

All of the British A/S Trawlers with the exception of two have arrived at New York for duties off the Atlantic Coast of the United States.

H.M. Rescue Tugs "PRUDENT" and "FRISKY" departed from St. John's on March 19th to attempt salvage of "DIALA" by towing her eastward. The tugs have been instructed by Flag Officer Newfoundland Force to report when "DIALA" was contacted and taken in tow; and estimated speed of advance. No further word has been received.

Both H.M. Submarines P.512 and P.514 arrived Halifax on March 21st, with engine defects.

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P.514 is being made serviceable with spares from P.512 and will be retained at Halifax for A/S training, P.512 will have to be returned to a U.S. port for further repairs.

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CONVOYS

A convoy comprising 29 ships of which 13 were British, 7 Norwegian, 3 Greek, 1 Dutch, 1 Panamanian, 2 U.S., 1 Y/S, 1 Swedish sailed from Halifax on March 18th. A/S Escort Signal not yet received.

Note: Information incomplete for last week's report.

A convoy comprising 28 ships of which 15 were British, 7 Norwegian, 3 U.S., 1 Belgian, 1 Panamanian, 1 Dutch sailed from Halifax on March 21st under the A/S Escort of H.M.C.S. "ORILLIA" and H.M. Ships "FIREDRAKE", "BURWELL", "ANEMONE", "MIMOSA".

A convoy comprising 28 ships of which 11 were British, 5 Greek, 4 Dutch, 2 Panamanian, 1 Swedish, 1 Y/S, 4 Norwegian, sailed from Halifax on March 24th under the A/S Escort of H.M. Ships "HAVELOCK", "CAMELIA", "PIMPERNEL" and U.S.S. "CLOGDEN".

There were no independent trans-ocean sailings this week..

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and one D.E.M.S. inspections were carried out this week in the following ports: Halifax (79), Saint John (15), Sydney (1), Esquimalt (6).

(b) Information in connection with arming etc., has been received regarding the following ships:-

CAROLUS	3" gun mounted	Halifax
ASPASIA NOMIKOS	3" gun mounted	Halifax
FOUNDATION ARANMORE	Two 6-pdr. guns mounted	Halifax
CORNEVILLE	4" gun mounted	Esquimalt
TRONDANGER	4" gun mounted	Esquimalt
FORT ST. JAMES	4" gun mounted	Esquimalt
WATUKA	In hand arming	Sydney
LIVINGSTON	In hand arming	Sydney
ESTEVAN	In hand arming	Esquimalt
MAGISTER	In hand arming	Esquimalt
MOLDANGER	In hand arming	Esquimalt
KRASNOARMEETS	In hand arming	Esquimalt
KARL LIEBKNECHT	In hand arming	Esquimalt
DALSTROI	In hand arming	Esquimalt
NORVINN	In hand arming (Gun supplied from U.S.A. by owner)	Halifax

(c) The degaussing equipment of 98 ships was inspected this week in Canadian Ports; 88 were reported as satisfactory; repairs have been carried out on the remainder.

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(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 12 ships in United States Ports.

(e) SENIOR TECHNICIAN; TECHNICAL DIVISION

Arrangements have been completed for the supply of materials to Toronto for the installation of gear in the four Bangor Class M/S's. The matter of an urgent request from Commanding Officer, Pacific Coast for Magnetic M/S's is now in hand.

During the past week, Lt. Cdr. Olive has been attending trials and meetings at the Experimental Station, Suffield, Alta.

(f) SUPERINTENDENT OF A/S

Fifty trained ratings have been added to various branches of A/S Personnel during the week. Following a discussion with Chief of Naval Personnel, action has been taken to satisfy the shortages disclosed by the appraisal of A/S Personnel. A number of additional officers will require to be entered and a considerable training will be required.

(g) SUPERINTENDENT OF BOOM DEFENCE

New equipment has been installed at Halifax, Esquimalt, and Prince Rupert, and four flat Scows, located at Liverpool, N.S., are available for Boom Defence purposes.

Repair and general maintenance work was carried out at all bases, particularly at Gaspe, and Prince Rupert, which suffered from heavy weather during the week.

A rigger from British Ropes Canadian Factory spent three days in Esquimalt instructing Boom Maintenance hands in the making of Anti-Torpedo Gear. Tests with Torpedoes are being carried out.

(h) DEGAUSSING OFFICER

During the past week, D.G. work has been carried out on 25 ships and 1 ship was depermed.

It has been decided that in future all degaussing ports shall submit fortnightly reports covering all items of degaussing equipment, after which a composite report will be sent to Rear Admiral Barry, New York, for his information.

It is expected that expenditures for degaussing equipment on Canadian Merchant Vessels will be in the neighbourhood of $100,000.00 per month for the months of April, May and June.

All ports and parties concerned are to receive copies of the memoranda from the Admiralty regarding procedure in Compass Correction.

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A brief summary of our D.G. policy, with special emphasis on conservation of rubber, has been forwarded to the U.S. Legation.

Supplies of certain materials and equipment for degaussing ordered in the United States will be small and must be supplemented by Canadian equipment.

(i) R.D.F. OFFICER

H.M.C.S. "ST. CROIX" is the first Town Class Destroyer to be fitted with new Equipment. One additional Corvette, H.M.C.S. "DAWSON", has been completed at Esquimalt.

Prior to its immediate shipment to New York, the first set for motor torpedo boats and Fairmiles was demonstrated to Mr. Van Dissel of the Netherlands Purchasing Commission, who visited here last week.

Progress is being made in R.D.F. fitting in ships at Esquimalt, Montreal and in inland harbours.

(j) RESEARCH LIAISON OFFICER

An extensive project of research into ships' noises has been undertaken in co-operation with the Admiralty.

Manufacturers' samples indicate that much reclaimed rubber is being utilized.

(k) INSPECTOR OF CONTRACT BUILT SHIPS

A meeting was held regarding the fitting of all ships of NEW CONSTRUCTION with completed armaments in order that these vessels can be ready for action in the St. Lawrence River, if necessary.

During the past week H.M.C.S. "Q-083" was launched, various trials were completed with H.M.C.S. "DUNDAS" and H.M.S. "CARAQUET", and H.M.C.S. "COURTENAY" has been accepted and commissioned.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,230,657.00.

CHIEFS OF STAFF COMMITTEE
28th March,
1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16.

Ottawa, 4th April, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 126

(For week ending 4th April)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 2nd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	420	3,453	3,873
R.C.N.R.	814	4,219	5,033
R.C.N.V.R.	2,523	20,014	22,537
TOTAL	3,757	27,686	31,443

Increase - 800

(b) Recruiting Activities from March 26th, 1942, to April 2nd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	5	0	5
R.C.N.R.	5	50	55
R.C.N.V.R.	19	786	805
TOTAL	29	836	865

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	1	2
(a) Med. Unfit	0	2	2
(b) Other Reasons	3	58	61
TOTAL	4	61	65

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
188	1,162	1,350

2. CASUALTIES

(a) John D. CLOUSTON, Lieutenant, R.C.N.V.R., killed March 14th, 1942, H.M.S. "LOOSESTRIFE".

(b) George F. CARTER, A.B., V18016, accidentally killed.

(c) Edward J. SAUVE, A.B., V6361, accidentally wounded.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	46	422	468
Other Deaths.....	6	49	55
TOTAL.....	52	471	523
Wounded or Injured.....	2	66	68
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "CHEDABUCTO" from escort duty 29.3.42.

(ii) H.M.C.S. "LUNENBURG" from escort duty 29.3.42.

(iii) H.M.C.S. "NIAGARA" from escort duty 29.3.42.

(iv) H.M.C.S. "RESTIGOUCHE" from escort duty 29.3.42.

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(v) H.M.C.S. "SUDBURY" from escort duty 29.3.42.

(vi) H.M.C.S. "SUMMERSIDE" from escort duty 29.3.42.

(vii) H.M.C.S. "UNGAVA" from escort duty 29.3.42.

(viii) H.M.S. "VANQUISHER" from escort duty 29.3.42.

(ix) H.M.C.S. "MAHONE" from escort duty 30.3.42.

(x) H.M.C.S. "ARROWHEAD" from escort duty 31.3.42.

(xi) H.M.C.S. "CHICOUTIMI" from escort duty 31.3.42.

(xii) H.M.C.S. "QUINTE" from escort duty 31.3.42.

(xiii) H.M.S. "ROXBOROUGH" from Charleston 31.3.42.

(xiv) H.M.C.S. "BATTLEFORD" from Liverpool 1.4.42.

(xv) H.M.C.S. "SASKATOON" from Liverpool 1.4.42.

(xvi) H.M.C.S. "TRAIL" from escort duty 2.4.42.

(xvii) H.M.C.S. "PRESCOTT" from Liverpool 30.3.42.

- Departures -

(xviii) H.X. 182 under Local Escort of H.M. Ships "VERITY", "WITHERINGTON", and H.M.C. Ships "CHARLOTTETOWN", "KENOGAMI", "SUDBURY". Ocean Escort of H.M. Ships "ROSE", "ACANTHUS", "EGLANTINE", "PORTENTILLIA" 27.3.42.

(xix) S.C. 77 under Local Escort of H.M. Ship "WALKER" and H.M.C. Ships "COLUMBIA", "HALIFAX", "MIDLAND", "CALGARY" and Ocean Escort H.M.C. Ships "ASSINIBOINE", "DIANTHUS", "ORILLIA", "FENNEL", "AMHERST", "BRANDON", "COWICHAN" 30.3.42.

(xx) H.M.C.S. "CLAYOQUOTE" from escort duty 31.3.42.

(xxi) H.M.C.S. "NIPIGON" for escort duty 31.3.42.

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(xxii) H.M.S. "VANOC" for escort duty 31.3.42.

(xxiii) H.M.C.S. "MINAS" for St. John's, Nfld. 2.4.42.

- At St. John's -

- Arrivals -

(xxiv) H.M.C.S. "BUCTOUCHE" from escort duty 27.3.42.

(xxv) H.M.C.S. "COBALT" from escort duty 27.3.42.

(xxvi) H.M.C.S. "BARRIE" from escort duty 28.3.42.

(xxvii) H.M.C.S. "CHAMBLY" from escort duty 28.3.42.

(xxviii) H.M.C.S. "MALPEQUE" from Halifax 28.3.42.

(xxix) H.M.C.S. "ROSTHERN" from escort duty 28.3.42.

(xxx) H.M.C.S. "NAPANEE" from escort duty 29.3.42.

(xxxi) H.M.C.S. "ORILLIA" from escort duty 29.3.42.

(xxxii) H.M.C.S. "DUNVEGAN" from escort duty 29.3.42.

(xxxiii) H.M.C.S. "COWICHAN" from escort duty 29.3.42.

(xxxiv) H.M.S. "VETERAN" from escort duty 30.3.42.

(xxxv) H.M.C.S. "MAYFLOWER" from patrol 20.3.42.

(xxxvi) H.M.C.S. "KENOGAMI" from escort duty 1.4.42.

(xxxvii) H.M.C.S. "SNOWBERRY" from escort duty 1.4.42.

(xxxix) H.M.C.S. "CHARLOTTETOWN" from escort duty 1.4.42.

- Departures -

(xl) H.M.C.S. "GEORGIAN" for patrol 30.3.42.

(xli) H.M.C.S. "FREDERICTON" for escort duty 31.3.42.

(xlii) H.M.C.S. "MATAPEDIA" for escort duty 31.3.42.

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(xliii) H.M.C.S. "OAKVILLE" for escort duty 31.3.42.

(xliv) H.M.C.S. "RED DEER" for escort duty 31.3.42.

(xlv) H.M.C.S. "ST. CLAIR" for escort duty 31.3.42.

(xlvi) H.M.S. "CALDWELL" for escort duty 31.3.42.

(xlvii) H.M.S. "MONTGOMERY" for escort duty 31.3.42.

(xlviii) H.M.S. "VETERAN" for escort duty 31.3.42.

CONVOYS

A convoy comprising 34 ships of which 23 were British, 8 Norwegian, 2 Swedish, 1 U.S. sailed from Halifax on March 27th. No A/S Escort signal as yet received.

A slow convoy comprising 47 ships of which 10 were British, 11 Norwegian, 13 U.S., 5 Panamanian, 2 Y/S, 2 Dutch, 2 Greek, 1 Belgian, 1 Swedish sailed from Halifax on March 30th under the A/S Escort of H.M.S. "DIANTHUS" and H.M.C. Ships "ASSINIBOINE", "ORILLIA", "FENNEL", "AMHERST", "BRANDON".

There was one independent trans-ocean sailing from the Atlantic Coast, this week.

DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-boat Activities

Attacks by U-boats have continued on the Atlantic Seaboard and have been concentrated in the focal area of the United States Coast between Cape Hatteras and Boston. The decrease in the number of ships sunk off the Canadian coast may be due to the inauguration of coastal convoys and the escorting of all Canadian bound shipping from west OMP.

The following list gives particulars of the ships sunk in the western Atlantic on which information has been received in the last week:

TIME	NAME OF SHIP	POSITION	REMARKS
----/20	"THURSOBANK" (Br.)	38° 05'N., 68° 30' W.	Survivors picked up by "JAOSTON" 25/3.

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TIME	NAME OF SHIP	POSITION	REMARKS
1742Z/29	"CITY OF NEW YORK" (U.S.)	35° 00'N., 74° 44'W.	
1904Z/29	"HERTFORD" (Br.)	40° 50'N., 63° 41'W. and aircraft assisted.	"ROX-BOROUGH"
2045/16	"CEIBA" (HON.)	Approximately 35° 45'N., 74° 00'W.	6 sur-vivors.
----/7	"CARDONIA" (U.S.)	Off Mole St. Nicholas	
1300Z/26	"DIXIE ARROW" (U.S.)	34° 35'N., 75° 26'W.	
2334Z/26	"EQUIPOISE" (Pan.)	36° 36'N., 74° 45'W.	
0700Q/31	1 Tug - 3 Barges	37° 35'N., 75° 25'W.	
-----/27	"SVENOR" (Nor.)	300' E. Cape Hatteras	
	The following ships were attacked by enemy U-boats, but no further word as to the result, has been received:		
-----/25	"OCANA" (Dutch)	42° 49'N., 64° 52'W. afloat 28/3.	Ship still
0930Z/26 (Approx.)	Unknown	34° 36'N., 76° 00'W.	
0133/27	"CAROLYN" (U.S.)	36° 00'N., 70° 00'W.	
1707Z/28	Unknown Tanker	34° 10'N., 76° 45'W. sinking condition by aircraft.	Seen in
1754Z/29	"PATRICIA SHAKEL" (U.S.)	42° 18'N., 69° 25'W.	
1935Z/31	"T.C. McCOBB" (U.S.)	07° 10'N., 45° 20'W. shell fire. U.S.S. "MOFFET" to investigate.	Attack ed by
2300Q/31	"TIGER" (U.S.)	36° 45'N., 75° 45'W.	
0118Z/1	"FLORIDA" (U.S.)	34° 10'N., 76° 50'W.	
2122Z/1	"LOCHDON" (Br.)	37° 05'N., 61° 40'W.	
0529Z/1	"LIEBRE" (U.S.)	34° 00'N., 76° 40'W. submarine.	Shelled by

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COUNTER ATTACKS

At 1840Z/24 a submarine was sighted on the surface in position 34° 40'N., 75° 25'W. by a patrolling aircraft and attacked. The U-boat crash dived and aircraft dropped bombs at a very low altitude. Results unknown.

A broadcast in German plain language on 7385 Kcs. led a patrolling aircraft to U-boat located in 36° 38' N., 75° 11'W. The aircraft carried out a depth charge attack as the sub dived, but the results of attack have not yet been received.

PACIFIC COAST

Although very little activity has been noted on the west coast, the forces of Commanding Officer Pacific Coast are being kept on constant duty patrolling the coast line and numerous inlets.

The Auxiliary Cruiser "PRINCE DAVID" was docked at Esquimalt on 28th March for a 12 day refit. On completion, the "PRINCE HENRY" will continue patrol duties on the West Coast.

With the commissioning of H.M.C.S. "DUNDAS", on 2nd April the 1940-41 Programme for Corvette construction on the West Coast was completed. "DUNDAS" is the last of the original group building in British Columbia and its addition to Commanding Officer Pacific Coast's Force raises the number of corvettes to seven.

GENERAL

At 0600Z/25 the Dutch Tanker "OCANA" reported being followed by a sub in 42° 35'N., 64° 30'W. Shortly after, the "OCANA" was reported by an aircraft to be burning. H.M.C.S. "FLEUR DE LIS" was immediately ordered to proceed to her assistance. By 1630Z/27, "FLEUR DE LIS" was standing by the abandoned tanker which had drifted some 70 miles southeast. H.M.S. "ROXBOROUGH" was sent to the assistance of "FLEUR DE LIS" who was now running short of fuel and had to return. Before "FLEUR DE LIS" could return "ROXBOROUGH" was required to search for survivors of S.S. "HERTFORD". H.M.C.S. "GODERICH", "FLEUR DE LIS" and salvage Tug "FOUNDATION ARANMORE" are now searching for the abandoned "OCANA".

The two Armed Yachts "ELK" and "VISON" that departed Halifax 2nd December on loan to Commander-in-Chief, American and West Indies, are now returning to Canadian command. The two vessels, which will be required for patrol and convoy duties in the Gulf of St. Lawrence, sailed from Trinidad 31st March for Bermuda.

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A very fine piece of work has been carried out by H.M.C.S. "MAYFLOWER" in the salvaging of the Tanker "IMPERIAL TRANSPORT", torpedoed in position 46° 06'N., 41° 55'W. on 25th March. With the assistance of some key members of the "IMPERIAL TRANSPORT'S" crew, the crew of the "MAYFLOWER" boarded the abandoned Tanker, raised steam, and brought her to St. John's, Nfld. under her own power.

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4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Eighty D.E.M.S. inspections were carried out this week in the following ports: Halifax (71), Saint John (6), Esquimalt (3).

(b) Information in connection with arming etc. has been received regarding the following ships:-

"KINGSLEY"	4" gun mounted	Esquimalt
"NORVINN"	4" gun mounted (Gun supplied from U.S.A. by owners)	Halifax
"ESTEVAN"	6 Pdr. gun mounted	Esquimalt
"TRONTOLITE"	In hand arming	Saint John

(c) The degaussing equipment of 77 ships was inspected this week in Canadian Ports; 74 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 13 ships in United States Ports.

(e) R.D.F. OFFICER

With the exception of H.M.C.S. "ANNAPOLIS", all Town Class Destroyers are now fitted with either British or Canadian R.D.F.

Twenty Corvettes are in process of fitting on both Coasts, and the total completed has reached thirty-four. It is hoped that the work will be speeded up when more electricians are obtained.

There are now no outstanding problems in the fitting of R.D.F. in Fairmiles.

(f) SUPERINTENDENT OF BOOM DEFENCE

Maintenance and Repairs were carried on at all bases, and at points where booms were lifted for the winter considerable preparation for the coming season is in progress.

The concrete Gate Vessel No. 1, has arrived at Shelburne, and two Gate Vessels have arrived at Prince Rupert.

At Esquimalt further tests were made with torpedoes fired at Anti-torpedo Nets.

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(g) SENIOR TECHNICIAN; TECHNICAL DIVISION

A report has been received from the Metallurgical Laboratory in connection with Alloy Steels for use in Tribal Class Destroyers.

A full report of the demonstrations in Chemical Warfare witnessed at Suffield, Alberta will be submitted independently.

An A.R.P. Officer has been attached to the Directorate and the organization of this work is under way.

(h) SUPERINTENDENT OF A/S

During the week another Corvette and Minesweeper were fitted with A/S gear and the work of fitting H.M.C.S. "PRINCE DAVID" is under way.

(i) RESEARCH LIAISON OFFICER

The most recent sample of the Salt Water Still has produced 200 ccs. of fresh water from brine in eight hours. The difficulties in the design for wearing conditions are being overcome.

A survey indicates that with the Voice Modulated Signal Lamp, communication over distances of ten miles will be possible during clear weather conditions.

(j) INSPECTOR OF CONTRACT BUILT SHIPS

H.M.C.S. "DUNDAS" and H.M.S. "CARAQUET" have been accepted and commissioned.

(k) DEGAUSSING OFFICER

No report has been received from this Branch.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $596,785.60.

CHIEFS OF STAFF COMMITTEE
4th April
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16.

Ottawa, 11th April, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 127

(For week ending 11th April)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 9th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	421	3,454	3,875
R.C.N.R.	818	4,231	5,049
R.C.N.V.R.	2,520	20,386	22,906
TOTAL	3,759	28,071	31,830

Increase - 387

(b) Recruiting Activities from April 2nd, 1942, to April 9th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	2	0	2
R.C.N.R.	4	12	16
R.C.N.V.R.	3	410	413
TOTAL	9	422	431

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	3	0	3
(a) Med. Unfit	1	16	17
(b) Other Reasons	3	21	24
TOTAL	7	37	44

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	4	4

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
187	1,074	1,261

2. CASUALTIES

(a) G.M. BAKER, Lieutenant, R.C.N.V.R., killed 28.3.42.

(b) D.L. DAVIES, R.C.N.V.R., Lieutenant, missing on Active Service 28.3.42.

(c) W.J. WINTHROPE, Surgeon Lieutenant, R.C.N.V.R., missing on Active Service 28.3.42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	422	471
Other Deaths.....	6	49	55
TOTAL.....	55	471	526
Wounded or Injured.....	2	66	68
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.S. "RAMSEY" from St. John's, Nfld. 4.4.42.

(ii) H.M.C.S. "CHARLOTTETOWN" from St. John's, Nfld. 5.4.42.

(iii) H.M.C.S. "KENOGAMI" from St. John's, Nfld. 5.4.42.

(iv) H.M.C.S. "RED DEER" from escort duty 5.4.42.

(v) H.M.C.S. "ST. CLAIR" from escort duty 5.4.42.

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(vi) H.M.C.S. "GALT" from Liverpool, N.S., 6.4.42.

(vii) H.M.C.S. "NANAIMO" from escort duty 6.4.42.

(viii) H.M.S. "CALDWELL" from escort duty 6.4.42.

(ix) H.M.S. "VETERAN" from escort duty 6.4.42.

(x) H.M.C.S. "FREDERICTON" from escort duty 7.4.42.

(xi) H.M.C.S. "QUINTE" from escort duty 7.4.42.

(xii) H.M.C.S. "ARVIDA" from St. John's, Nfld. 8.4.42.

(xiii) H.M.C.S. "CALGARY" from St. John's, Nfld. 8.4.42.

(xiv) H.M.C.S. "COLUMBIA" from St. John's, Nfld. 8.4.42.

(xv) H.M.C.S. "HALIFAX" from St. John's, Nfld. 8.4.42.

(xvi) H.M.C.S. "MIDLAND" from St. John's, Nfld. 8.4.42.

(xvii) H.M.C.S. "OTTAWA" from escort duty 8.4.42.

- Departures -

(xviii) H.X. 183 under Local Escort of H.M.S. "WITCH" and H.M.C. Ships "SASKATOON", "THE PAS", "GANANOQUE", "AGASSIZ". Ocean Escort of H.M.C. "COLLINGWOOD", "HEPATICA". 2.4.42.

(xix) S.C. 78 under Local Escort of H.M.S. "WANDERER", "ROXBOROUGH" and H.M.C. Ships "SUDBURY" and "SUMMERSIDE". Ocean escort of H.M.C. Ships "RESTIGOUCHE", "ST. FRANCIS", "COBALT", "DUNVEGAN", "BUCTOUCHE", "NAPANEE". 5.4.42.

(xx) H.M.C.S. "TRAIL" for Liverpool, N.S. 5.4.42.

(xxi) H.M.C.S. "MAHONE" for escort duty 7.4.42.

(xxii) H.M.C.S. "LUNENBURG" for escort duty 8.4.42.

(xxiii) H.M.S. "VANQUISHER" for escort duty 8.4.42.

(xxiv) H.M.C.S. "GODERICH" for escort duty 8.4.42.

- At St. John's -

- Arrivals -

(xxv) H.M.C.S. "ALGOMA" from escort duty 4.4.42.

(xxvi) H.M.C.S. "BITTERSWEET" from escort duty 4.4.42.

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(xxvii) H.M.C.S. "KAMSACK" from escort duty 4.4.42.

(xxviii) H.M.C.S. "RIMOUSKI" from Halifax 4.4.42.

(xxix) H.M.C.S. "SHEDIAC" from escort duty 4.4.42.

(xxx) H.M.C.S. "SHERBROOKE" from escort duty 4.4.42.

(xxxi) H.M.C.S. "AGASSIZ" from escort duty 5.4.42.

(xxxii) H.M.C.S. "EYEBRIGHT" from escort duty 5.4.42.

(xxxii) H.M.C.S. "COWICHAN" from patrol 6.4.42.

(xxxiv) H.M.C.S. "SASKATOON" from escort duty 6.4.42.

(xxxv) H.M.C.S. "THE PAS" from escort duty 6.4.42.

(xxxvi) H.M.C.S. "BUCTOUCHE" from exercises 7.4.42.

(xxxvii) H.M.C.S. "CHAMBLY" from exercises 7.4.42.

(xxxviii) H.M.C.S. "COBALT" from exercises 7.4.42.

(xxxix) H.M.C.S. "GEORGIAN" from Halifax 7.4.42.

(xl) H.M.C.S. "RESTIGOUCHE" from Halifax 7.4.42.

(xli) H.M.C.S. "ST. FRANCIS" from exercises 7.4.42.

- Departures -

(xlii) H.M.C.S. "ALBERNI" for escort duty 4.4.42.

(xliii) H.M.C.S. "AMHERST" for escort duty 4.4.42.

(xliv) H.M.C.S. "FENNEL" for escort duty 4.4.42.

(xlv) H.M.C.S. "CHILLIWACK" for escort duty 6.4.42.

(xlvi) H.M.C.S. "MINAS" for escort duty 6.4.42.

(xlvii) H.M.C.S. "DUNVEGAN" for exercises 7.4.42.

(xlviii) H.M.C.S. "AGASSIZ" for escort duty 8.4.42.

(xlix) H.M.C.S. "BARRIE" for escort duty 8.4.42.

(l) H.M.C.S. "ROSTHERN" for escort duty 8.4.42.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-boat Activities

The U-boat situation on the Atlantic seaboard continues unchanged, attacks being confined almost wholly between Lat. 30° and 40° N. with a strong concentration about Cape Hatteras. Canadian and Caribbean waters were almost without incident.

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The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received in the last week:

TIME	NAME OF SHIP	POSITION	REMARKS
Due Feb. 26th approx.	"TORUNGEN" (Nor.)	Yarmouth N.S. to Charleston, N.C. lost by enemy action.	Overdue and presumed
Due 9/3 Aruba	"ANADARA" (Br.) (tanker)	Westbound in Convoy. sunk. Probably enemy	Admiralty reports presumed action.
Due 9/3 Curacao	"FINNANGER" (Nor.)	Westbound in Convoy. sunk. Probably enemy	Admiralty reports presumed action.
Due 21/3 Halifax	"RANJA" (Nor.) (tanker)	Houston to Halifax lost by enemy action.	Overdue and presumed
March 24th	"OLMEY" (U.S.) (tanker)	34° 40'N 76° 45'W Considered salvageable.	Torpedoed and beached.
1950Z/ 31	"SAN GERARDO"	36° 00'N 67° 00'W up by "REGENT PANTHEL" 1545Z/2 in 37° 00'N. 66° 05'W. Others considered lost.	6 survivors picked
0118Z/3	"DAVID H. ATWATER" (U.S. cargo)	35° 57'N. 75° 10'W 80 miles N.E. Cape Henry.	Shelled and sunk
2136Z/5	"CATAHOULA" (U.S.) (tanker)	19° 38'N 68° 29'W 7 believed lost.	38 survivors rescued

The following ships were attacked by enemy U-boats, but no further word as to the result, has been received:

2122Z/1	"LOCHDON" (Br.) (tanker)	37° 05'N 61° 40'W New York 29/3 for Capetown.	Torpedoed Sailed
0529Z/1	"LIEBRE" (U.S.)	34° 00'N 76° 40'W Sailed New York 30/3 for Beaumont.	Shelled by sub.
1900Z/2	"DELSUD" (U.S.) (cargo)	36° 30'N 75° 41'W reported sinking.	Sighted sub. Later

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TIME	NAME OF SHIP	POSITION	REMARKS
2200Z/2	"BRILLIANT" (U.S.) (tanker)	34° 55'N 75° 41'W	Attacked and reported torpedo missed.
0414Z/3	"ESSO AUGUSTA" (U.S.) (tanker)	35° 54'N 75° 26'W	Attacked by submarine. Arrived Baltimore 3rd April.
0953Z/3	"OTHO" (U.S.) (cargo)	36° 24'N 72° 25'W	Torpedoed. Due New York 1/4. Not reported.
0116Z/3	"BARCAROLE"	Cape Henry to New York. Approx. 38°N 75° W.	Shelled by sub.
0302Z/4	"EVELYN" (U.S.)	36° 20'N 75° 36'W	Torpedoed. Reported afire.
0910Z/4	"ENSIS" (Br.)	34° 54'N 64° 57'W	Engaging S/M, being gunned. Damaged. Sighted by A/C steering North at 2000Z/4.
1850Z/5	"KOLLSKEGG" (Nor) (tanker)	34° 58'N 68° 38'W	Torpedoed. Due Halifax 10/4.
April 6th	"BYRON BENSON"	30° 15'N 75° 21'W	Torpedoed. Gutted by fire. Reported still afloat. Survivors picked up.
0100Z/7	BATJ (not held)	36° 00'N 58° 30'W	Torpedoed.
0401Z/7	"BRITISH SPLENDOUR"	35° 38'N 75° 19'W	
?	"ATLAS"	34° 40'N 76° 25'W	Torpedoed.

COUNTER ATTACKS

Absence of submarine attacks on shipping in Canacian waters is paralleled by an absence of counter-attacks by naval forces.

A/S Trawler H.M.S. "ST. LOMAN", en route New York from Halifax made three attacks on suspected submarine contacts in 30 fathoms, position 040 41' 30"N. 069 40'W. (40 miles S.E. Nantucket) on April 6th and dropped dan buoys to mark the spot. H.M.C.S. "OTTAWA" searched the area for 12 hours. No further report has been received.

U.S. Aircraft attacked a submarine in 35° 08'N. 68° 13'W. at 1610Z/7, results unknown. A further attack by a U.S. Aircraft was reported in 35° 37'N 67° 57' W. at 2120Z/7. The U-boat submerged leaving an oil slick. These positions are about 250 miles N.W. of Bermuda.

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U.S.S. "HAMILTON" delivered three depth charge attacks on April 1st in position 5.5 miles 1440 from Wimble Shoals buoy. Excellent contacts. Moving first two attacks, then stationary. Believed submarine lying on bottom as no hydrophone effect was heard. Proposed remaining in area. No further information has been received.

PACIFIC COAST

The Pacific Coast Command is to be augmented by the Auxiliary Cruiser "PRINCE HENRY" which has been serving under U.S. authorities in the Eastern Caribbean. She is expected to arrive Esquimalt about May 7th. She will undergo refit and then be placed under orders of Commanding Officer Pacific Coast.

Auxiliary Cruiser "PRINCE ROBERT" sailed Esquimalt on the 8th to patrol the west coast of Vancouver Island and the Queen Charlotte Islands. "PRINCE DAVID" was expected to complete a twelve day refit on the 9th.

No submarine or other enemy activities have been reported during the week.

GENERAL

Armed Yacht "FLEUR DE LIS" sighted the derelict Dutch Tanker "OCANA" (see previous report) north of George's Bank and is standing by. Tugs are proceeding to her assistance from Halifax.

"ATHELVISCOUNT" (Br. Tanker - torpedoed March 22nd - see previous report) arrived safely at St. John's, Nfld. in tow of "FOUNDATION FRANKLIN", on April 6th. On April 9th she broke adrift and grounded across the entrance to the harbour, effectively blocking it. It was hoped to free her on the next tide.

U.S. Naval authorities have proposed a plan for convoying ships between the Caribbean and Gulf areas and the Atlantic seaboard. A conference will take place at N.S.H.Q. on April 15th between representatives of Admiral King, U.S.N. and representatives of Naval Service Headquarters and Commanding Officer Atlantic Coast to discuss this proposed convoy scheme.

Five New Zealand Trawlers arrived in Bermuda April 8th from St. John's en route Aukland.

Armed Yachts "ELK" and "VISON" which have been under operational control of Commander in Chief, America and West Indies, arrived Bermuda April 7th en route Halifax. "VISON" is proceeding but "ELK" is being delayed to escort S.S. "SURREY" to Norfolk.

H.M.C. Destroyer "NIAGARA" sailed Halifax April 8th escorting H.M.T. "RANGITIKI" en route to Trinidad, breaking off to refuel in Bermuda before returning.

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The first eight Canadian built R.N. A/S, M/S, Isles Class Trawlers to complete have been offered by the Admiralty to the R.C.N. for escort and patrol duty on the Atlantic Coast.

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CONVOYS

A convoy comprising 23 ships of which 15 were British, 7 Norwegian, 1 Dutch sailed from Halifax on April 2nd under the A/S Escort of U.S. Ships "BENSON", "DEWEY", "McCORMICK", H.M.C. Ships "COLLINGWOOD", "HEPATICA", "ALBERNI" and H.M.S. "ACONITE".

A Slow Convoy comprising 19 ships of which 13 were British, 3 Greek, 1 Norwegian, 1 Polish, 1 Dutch sailed from Halifax on April 5th under the A/S Escort of H.M.C. Ships "RESTIGOUCHE", "ST. FRANCIS", "COBALT", "DUNVEGAN", "BUCTOUCHE", "NAPANEE".

A convoy comprising 31 ships of which 23 were British, 7 Norwegian, 1 Dutch sailed from Halifax on April 8th under the A/S Escort of U.S. Ships "NIBLACK" and "LADLOW" and H.M.C. Ships "MAYFLOWER", "ROSTHERN", "BARRIE", "AGASSIZ".

There were two independent trans-ocean sailings from the Atlantic Coast this week.

4. WORKS

(a) MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and eleven D.E.M.S. Inspections were carried out this week in the following ports: Halifax (96), Saint John (12), Esquimalt (3).

(b) Information in connection with arming etc. has been received regarding the following ships:-

"WATUKA"	3" gun mounted	Sydney
"LORD STRATHCONA"	4" gun mounted	Halifax
"SOVETSKAYA LATVIA"	In hand arming	Esquimalt
"FORT CHURCHILL"	In hand arming	Esquimalt
"FORT NIPIGON"	In hand arming	Montreal
"PRINCESS HELENE"	In hand arming	Saint John

(c) The degaussing equipment of 95 ships was inspected this week in Canadian Ports; 93 were reported as satisfactory; repairs have been carried out on the remainder.

(d) The British Ministry of War Transport, New York reported that Degaussing had been installed on 17 ships in United States Ports.

(e) SUPERINTENDENT OF A/S

During the week 15 additional ratings were trained and the following were added to the number of ships fitted with A/S gear:

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3 Corvettes
1 Minesweeper
1 Fairmile

C179641

The Superintendent Anti-Submarine is in Halifax on an inspection trip.

(f) R.D.F. OFFICER

Three more Corvettes have been fitted with R.D.F. gear and further reports confirm that the improved set is superior to the original model.

Tests are being carried out on a scheme which it is thought will eliminate the only serious cause of breakdown in the standard R.D.F.

(g) SUPERINTENDENT OF BOOM DEFENCE

General maintenance and construction is being proceeded with at all bases.

Concrete Gate Vessel No. 2, on its way to Shelburne from Halifax, was forced to turn back because of bad weather. Some cracks developed in the hull and although not considered serious, are being closely watched.

The Inspector of Booms East Coast has left for Bay Bulls, Newfoundland, to carry out a survey of the site for the proposed A/T Net.

(h) SENIOR TECHNICIAN; TECHNICAL DIVISION

The Directorate is still endeavoring to obtain information from the manufacturer with regard to final shop test and delivery of turbo-generators for Bangor Class Minesweepers.

(i) RESEARCH LIAISON OFFICER

Installation of the Diffusion Lighting Units on the C.D. equipment at Duncan's Cove, is now under way.

Preliminary experiments have been planned for determining the possibilities of substituting various plasticised resins for the blown cellular rubber used in Naval Life Jackets.

(j) DEGAUSSING OFFICER

The Degaussing Officer is in Washington, D.C., studying the progress made there in experimental work.

(k) INSPECTOR OF CONTRACT BUILT SHIPS

The Inspector of Contract Built Ships is in Saint John, N.B., attending the trials of H.M.C.S. "MONCTON"

5. STORES

The equipment purchased by the Naval Stores amounted this week to $701,651.96.

CHIEFS OF STAFF COMMITTEE,
11th April,
1 9 4 2.

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COPY NO. /

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 16.

Ottawa, 18th April, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 128

(For week ending 18th April)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 16th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	422	3,450	3,872
R.C.N.R.	822	4,245	5,067
R.C.N.V.R.	2,545	20,790	23,335
TOTAL	3,789	28,485	32,274

Increase - 444

(b) Recruiting Activities from April 9th, 1942, to April 16th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	1	0	1
R.C.N.R.	4	22	26
R.C.N.V.R.	26	421	447
TOTAL	31	443	474

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
(a) Med. Unfit	0	16	16
(b) Other Reasons	1	12	13
TOTAL	1	29	30

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	0	0

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
192	1,126	1,318

2. CASUALTIES

Maurice Brais, Able Seaman, R.C.N.R., A2932, missing on Active Service, H.M.T. "ST. CATHAN", 11.4.42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	423	472
Other Deaths.....	6	49	55
TOTAL.....	55	472	527
Wounded or Injured.....	2	66	68
Prisoners of War.....	1	1	2

3. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "COWICHAN" 11.4.42.

(ii) H.M.C.S. "RACCOON" 11.4.42.

(iii) H.M.S. "VANOC" 11.4.42.

(iv) H.M.S. "WITHERINGTON" 12.4.42.

(v) H.M.C.S. "HALIFAX" 13.4.42.

(vi) H.M.C.S. "MINAS" 13.4.42.

(vii) H.M.C.S. "NIPIGON" 13.4.42.

(viii) H.M.C.S. "QUINTE" 13.4.42.

(ix) H.M.C.S. "SKEENA" from Saint John, N.B. 13.4.42.

(x) H.M.C.S. "MALPEQUE" 15.4.42.

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(xi) H.M.C.S. "GANANOQUE" 15.4.42.

(xii) H.M.C.S. "OTTAWA" 16.4.42.

(xiii) H.M.C.S. "SAGUENAY" 15.4.42.

(xiv) H.M.C.S. "SASKATOON" 15.4.42.

(xv) H.M.C.S. "VISON" from Bermuda 15.4.42.

- Departures -

(xvi) H.M.C.S. "FOUNDATION ARANMORE" 10.4.42.

(xvii) H.M.C.S. "LAURIER" 10.4.42.

(xviii) Convoy N.A. 7 under Ocean Escort of U.S. Ships "BLUE", "KEARNY", "LIVERMORE" 10.4.42.

(ix) S.C. 79 under Local Escort of H.M.S. "LINCOLN" and H.M.C. Ships "ST. CLAIR", "SNOWBERRY", "REGINA", "MINAS", Ocean Escort of H.M.C. Ships "CHAMBLY", "SHERBROOKE", "EYEBRIGHT", "RIMOUSKI", "KAMSACK", "PRESCOTT", "BATTLEFORD" 11.4.42.

(xx) O.N. 85 under Ocean Escort of H.M. Ships "HIGHLANDER", "ASPHODIL", "ANEMONE", "TEMPTRESS", "RESTLESS", "FURY", "VERVAIN" and H.M.C.S. "NASTURTIUM" 11.4.42.

(xxi) H.M.C.S. "OTTAWA" 12.4.42.

(xxii) H.M.C.S. "ANNAPOLIS" for Saint John, N.B. 13.4.42.

(xxiii) H.M.C.S. "SKEENA" 14.4.42.

(xxiv) H.M.C.S. "COWICHAN" 15.4.42.

(xxv) H.M.C.S. "MALPEQUE" 15.4.42.

(xxvi) H.M.C.S. "SAGUENAY" en route St. John's, Nfld. 15.4.42.

(xxvii) O.N. 86 under Ocean Escort of U.S. Ships "MAYO", "SIMPSON", and H.M. ships "MIMOSA", "BURWELL", "ACANTHUS", "ROSE", "POTENTILLA", "EGLANTINE", "IMPULSE", "READY", 15.4.42.

(xxviii) H.M.C.S. "KAMLOOPS" 16.4.42.

(xxix) H.M.C.S. "DRUMMONDVILLE".

(xxx) H.X. 185 under Local Escort "VERITY", "WITHERINGTON", "CHARLOTTETOWN", "KENOGAMI". Ocean Escort "BITTERSWEET", "ALGOMA", "SHEDIAC", "ARVIDA".

(xxxi) H.M.C.S. "BURLINGTON" to relieve "HALIFAX" escorting "OCANA".

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- At St. John's -

- Arrivals -

(xxxii) H.M.C.S. "BUCTOUCHE" with weather damage 11.4.42.

(xxxiii) H.M.C.S. "DAUPHIN" 11.4.42.

(xxxiv) H.M.C.S. "DUNVEGAN" 11.4.42.

(xxxv) H.M.C.S. "GEORGIAN" 11.4.42.

(xxxvi) H.M.C.S. "LETHBRIDGE" 11.4.42.

(xxxvii) H.M.C.S. "MAHONE" 11.4.42.

(xxxviii) H.M.C.S. "SHAWINIGAN" 11.4.42.

(xxxix) H.M.S. "READING" 11.4.42.

(xl) H.M.C.S. "MAHONE" 12.4.42.

(xli) H.M.C.S. "ST. LAURENT" 12.4.42.

(xlii) H.M.S. "DIANELLA" 12.4.42.

(xliii) H.M.S. "KINGCUP" 12.4.42.

(xliv) H.M.S. "LOOSESTRIFE" 12.4.42.

(xlv) H.M.S. "PRIMROSE" 12.4.42.

(xlvi) H.M.S. "ROSELYS" 12.4.42.

(xlvii) H.M.S. "SUNFLOWER" 12.4.42.

(xlviii) H.M.C.S. "BATTLEFORD" 13.4.42.

(xlix) H.M.C.S. "ARVIDA" 14.4.42.

(l) H.M. "ARTIC EXPLORER" 14.4.42.

(li) H.M.C.S. "SKEENA" 15.4.42.

(lii) H.M.C.S. "PRESCOTT" 13.4.42.

(liii) H.M.S. "SUNFLOWER" from Argentia 15.4.42.

(liv) H.M.C.S. "GEORGIAN" 16.4.42.

- Departures -

(lv) H.M.C.S. "BUCTOUCHE" 11.4.42.

(lvi) H.M.C.S. "COWICHAN" 11.4.42.

(lvii) H.M.C.S. "DUNVEGAN" 11.4.42.

(lviii) H.M.C.S. "MAHONE" for escort duty 11.4.42.

(lix) H.M.C.S. "MALPEQUE" for Halifax 11.4.42.

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(lx) H.M.S. "SUNFLOWER" for Argentia 13.4.42.

(lxi) H.M.C.S. "ALGOMA" for Argentia 14.4.42.

(lxii) H.M.C.S. "BITTERSWEET" for Argentia 14.4.42.

(lxiii) H.M.C.S. "EYEBRIGHT" 15.4.42.

(lxiv) H.M.C.S. "PRESCOTT" 15.4.42.

(lxv) H.M.C.S. "RIMOUSKI" 15.4.42.

(lxvi) H.M.C.S. "SHEDIAC" 14.4.42.

(lxvii) H.M.C.S. "MAHONE" for Halifax 14.4.42.

(lxviii) H.M.C.S. "DAUPHIN" to search for "EMPIRE PROGRESS" 14.4.42.

(lxix) H.M.C.S. "BATTLEFORD" 15.4.42.

(lxx) H.M.C.S. "CHAMBLY" 15.4.42.

(lxxi) H.M.C.S. "GEORGIAN" 16.4.42.

(lxxii) H.M.C.S. "KAMSACK" 16.4.42.

(lxxiii) H.M.C.S. "BUCTOUCHE" for Argentia for repairs.

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H.M.C.S. "CHILLIWACK" departed Liverpool, N.S. April 11th.

H.M.C.S. "FLEUR DE LIS" departed Shelburne, April 15.

H.M.C.S. "LAURIER" departed Shelburne April 13.

H.M.C.S. "FOUNDATION ARANMORE" departed Shelburne, April 13.

H.M.C.S. "PRINCE DAVID" departed Esquimalt en route Vancouver, April 10th, arrived Vancouver, April 10th.

H.M.C.S. "SAGUENAY" departed Saint John, N.B. April 13.

H.M.C.S. "SUDBURY" arrived Argentia April 11.

H.M.C.S. "SUMMERSIDE" arrived Argentia 11.4.42.

H.M.S. "ROXBOROUGH" arrived Argentia 11.4.42.

H.M.S. "WANDERER" arrived Argentia April 11.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-BOAT ACTIVITIES

The U-boat situation in the Western Atlantic remains unchanged with attacks on shipping being concentrated off the Atlantic coast of North America.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:

TIME	NAME	POSITION	REMARKS
0322Q/10	TAMAULYSIS (U.S.)	34° 30'N 76° 00'W	Tanker
1850Z/6	KOLLSKEGG (Nor.)	34° 54'N 68° 38'W	Tanker
Before 1300Z/7	LANCING (Nor.)	35° 08'N 75° 22'W	Cargo vessel.
2130Q/11	EUGENE V.R. THAYER (U.S.)	02° 12'S 39° 35'W	Tanker
2030Z/11	ULYSSES (Br.)	34° 23'N 75° 35'W	Passenger vessel. Survivors landed at Charleston.
0225Z/8	NEMANJA (Yugo.)	40° 30'N 64° 50'W	Cargo vessel. Survivors landed at Halifax.
Early April	OKLAHOMA (U.S.)	31° 22'N 80° 03'W	Tanker. 25 of crew of 38 saved.
0158/11	MALCHACE (U.S.)	34° 28'N 76° 56'W	Cargo.
Early April	ESSO BATON ROUGE (US)	31° 18'N 80° 59'W	Tanker. 34 of crew of 37 saved.
..../9	SAN DELFINO (Br.)	35° 35'N 75° 06'W	Tanker. 21 survivors.
.....	HARRY SINCLAIR JR. (U.S.)	Off Cape Lookout	Tanker
0503Z/12	DELVALLE (U.S.)	16° 50'N 72° 25'W	Passenger vessel - 44 survivors in "PRINCE HENRY".
1550Q/12	ESSO BOSTON (U.S.)	21° 42'N 60° 00'W	Tanker
0540Z/13	KORSHOLM (Swed.)	28° 21'N 80° 22'W	Cargo ship
1326Z/14	EMPIRE THRUSH (Br)	35° 13'N 75° 15'W	Tanker
1310Z/12	EMPIRE LOTUS (Br)	43° 55'N	47 survivors in H.M.C.S. "MINAS".
...../3	WEST IRMO (U.S.)	300 miles S.W. Takoradi	
?	LESLIE (U.S.)	10 miles east Cape Canaveral	27 survivors.

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TIME	NAME	POSITION	REMARKS
	The following ships were attacked by U-boats but no further word as to the result has been received.		
1031Z/9	ALBERT E WATTS (US)	34° 39'N 76° 17'W	Tanker
0322Z/10	Unknown Ship	35° 26'N 75° 12'W	Ship exploded
0654Z/11	HEBE (Dutch)	33° 13'N 78° 11'W	Reported as "sinking"
1705Z/11	GRENANGER (Nor.)	22° 45'N 57° 13'W	Cargo ship
0200Z/11	GULF AMERICA (U.S.)	30° 20'N 81° 15'W	Tanker
1137Z/11	TENNESSEE (U.S.)	34° 05'N 76° 25'W	Tanker
0315Z/12	EDWARD L. SHEA (U.S.)	34° 31'N 36° 35'W by submarine.	Tanker - Was shelled
1510Z/12	STANVAC CALCUTTA (Pan.)	02° 30'S 39° 48'W	Tanker - reported "sinking"
2130Z/13	EMPIRE PROGRESS	40° 00'N 53° 36'W from U.K. in O.N. 80.	Cargo vessel. Sailed
1039Z/15	C.O. STILLMAN (Pan)	34° 49'N 75° 45'W	Tanker - on fire
...../15	Unknown ship	45° 00'N 31° 30'W	S.O.S.
Early April	ZOELLA LYKES (U.S.)	21° 51'N 59° 58'W	Cargo ship, on fire.

COUNTER ATTACKS

OPNAV reported that a submerged submarine was bombed by planes in 030° 00'N, 081° 00'W at 0628Z/11 April. Results of attack are not known.

The German submarine U.85 was sunk by the U.S. Destroyer "ROPER" in 035° 55'N., 075° 13'W. at 0525Z/14 and twenty-nine bodies were recovered.

S.S. "MANGORE" U.S.A. sighted and made a direct hit on submarine at 2015/14 April, 8 miles 300° true from position N8N (Sec). There was a large explosion and quantities of oil came to the surface.

PACIFIC COAST

H.M.C. Auxiliary Cruiser "PRINCE DAVID" arrived Vancouver on 10th April for refit. It is expected that refit will be completed on 9th May.

H.M.C. Auxiliary Cruiser "PRINCE HENRY" which is expected to arrive at Esquimalt on 7th May is at present at Kingston, Ja.

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R.C.A.F. patrol sighted what appeared to be a small Fishing Boat with one pole mast in 054° 30'N, 132° W. at 1745 on 12th April. On approaching, the vessel disappeared. The area was searched by planes for 20 minutes without results. It is thought that the vessel was a submarine. H.M.C.S. "QUATSINO" and "BELLECHASSE" searched the area but with negative results.

GENERAL

The first eight Canadian built A/S M/S Isles Class Trawlers were offered by the Admiralty to the R.C.N. for patrol duties on the Atlantic Coast. This offer has been accepted by the R.C.N. and it was suggested that these ships be manned entirely by R.C.N. personnel (in lieu of ten 105' Minesweepers).

The British Tanker S.S. "ATHELVISCOUNT", which was reported last week as having rounded at the entrance to St. John's harbour, was refloated on 10th April and the harbour entrance is now clear.

Derelict Dutch Tanker "OCANA" after being towed to position 43° 24'N, 63° 38'W. sank 2245/15 April.

A fire broke out in S.S. "TRONGATE" on the night of 9th April. This vessel which had a cargo of Toluol and small arms ammunitions was anchored in Halifax harbour. As the fire could not be got under control, it was found necessary to sink this ship by gunfire in order to prevent her cargo exploding. An investigation is being carried out to determine the origin of this fire.

H.M. Trawler "ST. CATHAN" one of the 24 British Trawlers loaned to the U.S. Navy for coastal patrol duties was sunk in position 033° 10'N., 078° 17'W. at 0215 on 12th April as a result of collision with the Dutch Merchant Ship S.S. "HEBE".

It has been found that H.M. Destroyers "CHURCHILL", "CHESTERFIELD", and "RIPLEY" have not sufficient endurance for escort of Troop Convoys. These ships are, therefore, being allocated to the Mid-Ocean Escort Groups A4 and A5 which will be renamed B6 and B7. The U.S. Destroyers released by this exchange will be allocated to the escort of Troop Convoys. This will make the escort of Troop Convoys an entirely U.S. Naval commitment.

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ROUTEING AND CONVOY SECTION

A slow convoy comprising 58 ships of which 16 were British, 18 U.S., 7 Norwegian, 5 Panamanian, 5 Greek, 3 U.S.S.R., 2 Icelandic, 1 Belgian, 1 Dutch sailed from Halifax on April 11th under the A/S Escort of H.M.C.S. "CHAMBLY", "SHERBROOKE", "EYEBRIGHT", "RIMOUSKI", "KAMSACK", "PRESCOTT", "BATTLEFORD".

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A convoy comprising 34 ships of which 26 were British, 4 Norwegian, 3 Dutch, 1 Polish sailed from Halifax on April 14th.

There were three independent trans-ocean sailings from the Atlantic Coast this week.

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4. WORKS

MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and six D.E.M.S. inspections were carried out this week in the following ports: Halifax (100), Saint John (6).

Information in connection with arming etc. has been received regarding the following ships:-

"FORT CHURCHILL"	4" gun mounted	Esquimalt
"FORT QU'APPELLE"	4" gun mounted	Esquimalt
"MAGISTER"	4" gun mounted	Esquimalt
"MOLDANGER"	4" gun mounted	Esquimalt
"FORT GEORGE"	In hand arming	Esquimalt
"FORT CHAMBLY"	In hand arming	Quebec
"FORT TADOUSSAC"	In hand arming	Quebec
"GYDA"	In hand arming	Halifax
"SARPEDON"	In hand arming (12 Pdr. H.A. gun only)	Halifax

The degaussing equipment of 104 ships was inspected this week in Canadian Ships: 101 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 14 ships in United States Ports.

SUPERINTENDENT OF BOOM DEFENCE

As well as the usual maintenance work at all bases, the following items are noted:

(i) Concrete Gate Vessel #2 arrived in Shelburne.
(ii) Work is proceeding on a new depot site at Esquimalt.
(iii) The survey of the site for the proposed net at Bay Bulls, Newfoundland, has been completed.
(iv) Experiments are being carried out at Halifax with a new Curtain Net designed to operate against small surface craft.

As the United States Representatives on the West Coast are offering higher wages than those set by the Canadian Department of Labour, it has become extremely difficult to obtain civilian labour. It has been recommended that Civil Personnel be replaced by Naval Personnel at all Boom Defence Bases on the Pacific Coast.

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SENIOR TECHNICIAN; TECHNICAL DIVISION

C179651

Word has been received that the steam turbo generators for the Bangor Class Minesweepers will be ready for test next week.

An Officer of the Branch spent a day in the Toronto Shipyard advising on the installation of "LL" gear in four Minesweepers.

A proposed general programme for A.R.P. Work has been submitted to Staff for approval.

DIRECTOR OF A/S

No new developments are reported.

DEGAUSSING OFFICER

During the week degaussing work has been carried out on 19 ships.

The Degaussing Officer has just returned from Washington, and reported that some of the American Work is extremely good but rather complicated.

Depending upon the approval of the construction of a D.G. Range in the St. Lawrence, tentative arrangements have been made to obtain the necessary material from the U.S.

R.D.F. OFFICER

The fitting of three more Corvettes has been completed in the last week. At present 16 Corvettes and 5 Fairmiles are in process.

Liaison with the Bell Telephone and Western Electric continues, and it is hoped that arrangements will be made to deliver one set to Canada to every four to the United States.

Complete sets of Ships Spares are now available.

INSPECTOR OF CONTRACT BUILT SHIPS

Trials for H.M.C.S. "GRANBY", "MONCTON", "GREYSBOROUGH", and "Q-071" were carried out. As well, "Q-073" and a Western Isle Trawler (for the R.N.) were launched.

RESEARCH LIAISON OFFICER

Duplate Canada Ltd., have advised that the most suitable coating for optical lenses has been selected and its use in binoculars is to be tried.

Synthetic Cordage is being tested for use in anchoring kites. The Paint Laboratory has set up specifications pertaining to the colours and composition of Camouflage paints for H.M.C. Ships.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $577,965.85.

CHIEFS OF STAFF COMMITTEE
18th April, 1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 17.

Ottawa, 25th April, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 129

(For week ending 25th April)

-vVv-

I. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at April 23rd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	425	3,454	3,879
R.C.N.R.	822	4,257	5,079
R.C.N.V.R.	2,592	21,462	24,054
TOTAL	3,839	29,173	33,012

Increase - 738

(b) Recruiting Activities from April 16th, 1942, to April 23rd, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	2	14	16
R.C.N.V.R.	47	701	748
TOTAL	52	715	767

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	3	3
(a) Med. Unfit	1	10	11
(b) Other Reasons	1	14	15
TOTAL	2	27	29

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	7	7
To R.C.N.R. from R.C.N.V.R.	0	2	2
TOTAL	0	9	9

(e) Complement Borne at R.C.N.V.P. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
190	1,066	1,256

II. CASUALTIES

(a) St. Clair LEVY, A.B., R.C.N.R., A4991 died 20.4.42.

(b) Harold L. BULLOCK, Ldg. Sig., V2314, missing, believed drowned 20.4.42.

(c)x Marcel BRAIS, A.B., V4281, missing on Active Service.

x (Maurice BRAIS, A.B., A2932, reported missing on Summary No. 128 in error.)

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	424	473
Other Deaths.....	6	50	56
TOTAL.....	55	474	529
Wounded or Injured.....	2	66	68
Prisoners of War.....	1	1	2

III. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "MAHONE" 17.4.42.

(ii) H.M.C.S. "ST. LAURENT" 17.4.42.

(iii) H.M.S. "ROXBOROUGH" 17.4.42.

(iv) H.M.S. "WITCH" 17.4.42.

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(v) H.M.C.S. "THE PAS" 18.4.42.

(vi) H.M.C.S. "DAUPHIN" 19.4.42.

(vii) H.M.C.S. "ARROWHEAD" 20.4.42.

(viii) H.M.C.S. "DRUMMONDVILLE" 20.4.42.

(ix) H.M.C.S. "LUNENBURG" 20.4.42.

(x) H.M.C.S. "SUDBURY" 20.4.42.

(xi) H.M.C.S. "SUMMERSIDE" 20.4.42.

(xii) H.M.S. "SUNFLOWER" 20.4.42.

(xiii) H.M.S. "VANQUISHER" 20.4.42.

(xiv) H.M.S. "WANDERER" 20.4.42.

(xv) H.M.C.S. "FLEUR DE LIS" 21.4.42.

(xvi) H.M.C.S. "NIPIGON" 22.4.42.

(xvii) H.M.C.S. "SHERBROOKE" 22.4.42.

(xviii) H.M.S. "LINCOLN" 22.4.42.

(xix) Convoy S.C. 80 under Local Escort of H.M.S. "WALKER" and H.M.C. Ships "COLUMBIA", "MIDLAND", "CALGARY". Ocean Escort of H.M. Ships "READING", "PRIMROSE", and H.M.C. Ships "BATTLEFORD", "LETHBRIDGE", "SHAWINIGAN", "PRESCOTT" 17.4.42.

(xx) Convoy O.N. 87 under Ocean Escort U.S.S. "CAMPBELL" and H.M. Ships "HAVELOCK", "PIMPERNEL", "LAVENDER", "GODETIA", "CHESTERFIELD", "PENNYWORT" and H.M.C.S. "MORDEN" 17.4.42.

(xxi) H.M.C.S. "CLAYOQUOT" 18.4.42.

(xxii) H.M.C.S. "NIPIGON" 18.4.42.

(xxiii) H.M.C.S. "OTTAWA" 18.4.42.

(xxiv) H.M.S. "CALDWELL" 19.4.42.

(xxv) H.M.S. "FRISKY" to assistance of "MANCHESTER DIVISION" 20.4.42.

(xxvi) O.R.P. "PIORUN" to Argentia 20.4.42.

(xxvii) H.X. 186 under Local Escort of H.M.Ships "VETERAN", "MONTGOMERY" and H.M.C. Ships "NANAIMO", "OAKVILLE", "HALIFAX". Ocean Escort of "FIREDRAKE", "KINGCUP", "CHURCHILL", "DIANELLA", "LOOSESTRIFE", "ROSELYS", 20.4.42.

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(xxviii) H.M.C.S. "RED DEER" 21.4.42.

(xxix) H.M.S. "RAMSEY" 21.4.42.

(xxx) H.M.S. "SUNFLOWER" for Argentia 21.4.42.

(xxxi) Convoy O.N.S. 88 under Ocean Escort of H.M.C. Ships "ORILLIA", "FENNEL", "AMHERST", "BRANDON", "ASSINIBOINE", "SOREL", and H.M.S. "DIANTHUS" 22.4.42.

(xxxii) S.C. 81 under Local Escort of H.M.S. "WITCH" and H.M.C. Ships "NIAGARA", "THE PAS", "SASKATOON", "FREDERICTON", "GANANOQUE" and Ocean Escort of H.M. Ships "HESPERUS", "PIORUN", "CLEMATIS", "GENTIAN", "SWEETBRIAR", 23.4.42.

- At St. John's -

- Arrivals -

(xxxiii) H.M.C.S. "COWICHAN" 17.4.42.

(xxxiv) H.M.C.S. "REGINA" 17.4.42.

(xxxv) H.M.C.S. "MALPEQUE" 18.4.42.

(xxxvi) H.M.S. "VERITY" 19.4.42.

(xxxvii) H.M.S. "WITHERINGTON" 19.4.42.

(xxxviii) H.M.C.S. "KENOGAMI" 19.4.42.

(xxxix) H.M.C.S. "CHARLOTTETOWN" 20.4.42.

(xl) H.M.C.S. "PRESCOTT" 21.4.42.

(xli) H.M.C.S. "BATTLEFORD" 21.4.42.

(xlii) H.M.C.S. "CHAMBLY" escorting "MANCHESTER DIVISION" 22.4.42.

(xliii) H.M.C.S. "CLAYOQUOT" 22.4.42.

(xliv) H.M.S. "FRISKY" from search of "MANCHESTER DIVISION" 22.4.42.

(xlv) H.M.S. "TENACITY" 22.4.42.

(xlvi) H.M.C.S. "CALGARY" 23.4.42.

(xlvii) H.M.C.S. "COLUMBIA" 23.4.42.

(xlviii) H.M.C.S. "MIDLAND" 23.4.42.

(xlix) H.M.S. "FIREDRAKE" 23.4.42.

(l) H.M.S. "WALKER" 23.4.42.

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- Departures -

(li) H.M.C.S. "SAGUENAY" 17.4.42.

(lii) H.M.C.S. "SKEENA" 17.4.42.

(liii) H.M.S. "PRUDENT" 17.4.42.

(liv) F.F. "ROSELYS" 17.4.42.

(lv) H.M.S. "SUNFLOWER" 17.4.42.

(lvi) H.M.C.S. "REGINA" 19.4.42.

(lvii) H.M.C.S. "ST. CLAIR" 19.4.42.

(lviii) H.M.C.S. "SHERBROOKE" 19.4.42.

(lix) H.M.C.S. "SNOWBERRY" 19.4.42.

(lx) H.M.S. "DIANELLA" for Argentia 19.4.42.

(lxi) H.M.S. "KINGCUP" for Argentia 19.4.42.

(lxii) H.M.S. "LINCOLN" 19.4.42.

(lxiii) H.M.S. "LOOSESTRIFE" for Argentia 19.4.42.

(lxiv) H.M.C.S. "MALPEQUE" 21.4.42.

(lxv) H.M.Trawler "ARTIC EXPLORER" for Halifax 21.4.42.

(lxvi) H.M.S. "FRISKY" to search for "MANCHESTER DIVISION" 21.4.42.

(lxvii) H.M.C.S. "BATTLEFORD" 22.4.42.

(lxviii) H.M.C.S. "CHARLOTTETOWN" 22.4.42.

(lxix) H.M.C.S. "KENOGAMI" on escort duty 22.4.42.

(lxx) H.M.C.S. "LETHBRIDGE" 22.4.42.

(lxxi) H.M.C.S. "SHAWINIGAN" 22.4.42.

(lxxii) H.M.S. "PRIMROSE" 22.4.42.

(lxxiii) H.M.S. "READING" 22.4.42.

(lxxiv) H.M.S. "TENACITY" to assistance of "MANCHESTER DIVISION" 20.4.42.

(lxxv) H.M.S. "VERITY" 22.4.42.

(lxxvi) H.M.C.S. "PRESCOTT" 22.4.42.

(lxxvii) H.M.S. "WITHERINGTON" 22.4.42.

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(lxxviii) H.M.C.S. "DRUMMONDVILLE" departed Saint John, N.B. 18.4.42.

(lxxix) H.M.C.S. "PRINCE ROBERT" arrived Esquimalt from patrol 20.4.42.

(lxxx) H.M.C.S. "SUDBURY" departed Saint John, N.B. 18.4.42.

(lxxxi) H.M.S. "CHURCHILL" arrived Argentia 20.4.42.

(lxxxii) O.R.P. "PIORUN" arrived Argentia 22.4.42.

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ROUTEING AND CONVOY SECTION

A slow convoy comprising 31 ships of which 21 were British, 2 Norwegian, 3 Dutch, 3 Greek, 1 Polish, 1 Panamanian sailed from Halifax on April 17th, under the A/S Escort of H.M. Ships "READING", "PRIMROSE" and H.M.C. Ships "BATTLEFORD", "LETHBRIDGE", "SHAWINIGAN", "PRESCOTT".

A convoy comprising 21 ships of which 16 were British, 2 Dutch, 3 Norwegian, sailed from Halifax on April 20 under the A/S Escort of H.M. Ships "FIREDRAKE", "KINGCUP", "CHURCHILL", "DIANELLA", "LOOSESTRIFE", "ROSELYS".

This week there were two independent trans-ocean sailings from the Atlantic Coast.

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DIRECTOR OF OPERATIONS DIVISION

Atlantic Coast

U-Boat Activities

Attacks and sinkings by U-Boats off the Atlantic Coast during the past week have been compapatively few, although submarine sightings have been as numerous as in previous weeks.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week.

TIME	NAME OF SHIP	POSITION Lat.(N)	Long.(w)	REMARKS
1500Z/1	"RIO BLANCO" (BR)	35° 16'	74° 32'	Cargo Vessel 12 survivors
On or before -/8	"KOLL" (Nor)	Unknown		Tanker - presumed sunk.
-/12	"BEN BRUSH" (Pan)	04° 23'S	35° 03'	Tanker

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TIME	NAME OF SHIP	POSITION		REMARKS
1030Z/14	"KORTHION" (Gr)	13° 00'	61° 00'	Cargo vessel
-/10	"BULKIS"	Unknown		24 survivors
1504Z/18	Unknown ship	35° 00'	75° 15'	-
2240Z/18	" "	35° 32'	75° 19'	-
0254Z/21	"WEST IMBODEN" (U.S.)	41° 14'	65° 55'	Torpedoed, sinking.

The following ships were attacked by U-Boats, but no further word as to the result has been received.

0336Z/17	"HEINRICH" "REIDEMAN (Pan)	11° 53'	63° 40'	Tanker
0200/17	"ALCOA GUIDE (U.S.)	35° 18'	71° 53'	-
2257Z/17	"VICTORIA" (Arg.)	36° 41'	68° 48'	Tanker
0208Z/18	"LOCUS POINT"	35° 49'	75° 40'	Tanker
1657Z/21	"PIPESTONE COUNTY" (U.S.)	37° 43'	66° 16'	-

COUNTER ATTACKS

"Cominch" reported that at 1254Z/16 April, a plane sighted a periscope in position 035° 22'N, 075° 43' W and attacked with bombs. Result was negative.

At 1654Z/18 U.S.S. "STRIGHAM" attacked a submarine in 036° 54'N, 075° 47'W. No further report has been received.

PACIFIC COAST

H.M.C. Auxiliary Cruiser "PRINCE HENRY" arrived Colon, April 22nd, she is expected to sail on April 23rd, and will remain under the operational control of the U.S. authorities until her arrival at Esquimalt. She will refuel at San Pedro on May 1st, and is expected to arrive at Esquimalt, May 7th.

On April 16th an aircraft reported a suspected submarine bearing 090° distant two miles Reef Point. H.M.C.S. "CANSO" and "OUTARDE" were ordered to proceed to investigate. Results of investigation have not yet been received.

U.S.S. "WILLIAMSON" on patrol near Kodiak, Alaska reported sighting six unidentified ships steering north-east from position 058° N. 149° 50'W. on April 17th. Lights showing indicated the ships were moving at high speed. No further report has been received.

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GENERAL

A report from St. Vincent stated four unidentified submarines had passed along the north coast on the morning of 16th April, and one on the night of 17th April. All were proceeding towards St. Lucia and Martinique.

Naval Officer-in-Charge, Quebec, reported that a suspicious object believed to be a periscope was sighted proceeding up river at Orleans at 0000Z/21 April, nothing further has been heard.

"LADY NELSON" (Can. National Steamships) which was torpedoed at anchor at St. Lucia on 9th March has now been refloated and will be towed to Mobile, Alabama, for repair about 27th April.

H.M. Rescue Tug "PRUDENT" is being returned to the United Kingdom. Experience during the past month has shown that in order to tow damaged merchant ships to the westward, a Tug of a more powerful type than "PRUDENT" is required. While there are now no higher powered Tugs available, it is hoped that one may be available before next winter. H.M.S. "FRISKY" and "TENACITY" remain at St. John's for duty or Rescue Tugs.

It has been suggested that U-Boats are using Sable Island as a landfall on arrival in the Western Atlantic. Commanding Officer Atlantic Coast has suggested basing one Walrus Aircraft (belonging to Sakar 1) at Sable Island in order to carry out patrols in this area. This proposal has been approved by Commander in Chief, America and West Indies.

With the opening of navigation in the Great Lakes and St. Lawrence River, New Construction ships which have been building during the winter months are beginning to commission.

During the past week one Corvette, H.M.C.S. "WOODSTOCK" has been accepted (at Collingwood) and six Fairmile Motor Launches which were laid up at Sarnia and Toronto for the winter have been recommissioned. All are at Toronto and will carry out gun and depth charge trials here.

In view of the probability of submarine activity in the Gulf of St. Lawrence during the summer, arrangements have been made to carry out gun depth charge trials near Toronto for all ships completing in the Great Lakes and below Quebec for all ships completing in the River St. Lawrence. W/T and R.D.F. installations will be completed at Montreal and Quebec. A/S Trials will be carried out in the river below Quebec, and all ships will embark their outfits of ammunition before leaving Quebec. All New Construction ships, both R.N. and R.C.N. will be used for convoying escorted groups from Quebec to Sydney.

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Two Fairmiles "Q-056" and "Q-057", which were sheathed at Halifax have now arrived at St. John's, Nfld. and are allocated to the Newfoundland Force.

4. WORKS

MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

One hundred and eleven D.E.M.S. inspections were carried out this week in Canadian Ports: Halifax (90), Saint John (19), Esquimalt (2).

Information in connection with arming, etc., has been received regarding the following ships:

"WATERTON"	3" gun mounted	Halifax
"FORT NIPIGON"	4" " "	Montreal
"FORT LOUISBURG"	In hand arming	Montreal

The degaussing equipment of 108 ships was inspected this week in Canadian Ports; 99 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 14 ships in United States Ports.

SENIOR TECHNICIAN; TECHNICAL DIVISION

During the week one of the Officers of this Branch visited Saint John, N.B. with a representative of the British Admiralty Technical Mission to observe the testing of Sweeping Acoustic gear, type "C" in one Bangor Class Minesweeper, and generally to familiarize himself with the equipment.

Some engineering work was done during the week in connection with the bulk storage of mustard.

A.R.P. work in Ottawa is under way, and a set of special tools and equipment for bomb disposal was forwarded by rail to Esquimalt.

DEGAUSSING OFFICER

Degaussing work was carried out on 21 ships and one vessel was depermed during the past week.

Additional drawings and information have been forwarded to Washington to enable them to complete the construction of a model Corvette for experimental D.G. work.

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It has been approved to establish a D.G. range in the vicinity of Quebec City, but a good deal of difficulty is being experienced still, regarding the building of the D.G. Range Jetty at Vancouver.

The matter of thefts of scrap D.G. cable at Halifax and Digby is being investigated, following reports received at Headquarters.

DIRECTOR OF RADIO SUPPLY

Progress was made during the week in the fitting of R.D.F. on several types of vessels, and American personnel at Norfolk, Va., and Charleston, S.C. were given special instruction in this regard.

The Development Group of the National Research Council have been experimenting on improvements for various types of R.D.F. equipment and tests have shown them to be satisfactory.

SUPERINTENDENT OF BOOM DEFENCE

The Inspector of Booms East Coast returned to N.S.H.Q. from Newfoundland with plan of proposed Net and gate for St. John's. The proposed plan for Net at Bay Bulls is being held in abeyance as Harbour Grace is being considered as an alternative.

At Prince Rupert necessary precautions are being carried out to prevent recurrence of a small fire in the lower hold of G.V. #6 caused by heat from furnace.

At all bases crews have been employed in reconditioning equipment and carrying out maintenance and construction work.

DIRECTOR OF A/S

After examination of the situation by two Officers of the Branch, it was decided to extend the probationary S.D's course at Westdale to eight weeks. Consideration is being given to utilizing the additional training facilities there, which would allow for a possible doubling of the number of classes.

RESEARCH LIAISON OFFICER

Two systems of sea-water purification, additional to the method proposed by Dr. Stedman now under investigation, are being examined for practicability and preliminary experiments are being carried out.

INSPECTOR OF CONTRACT BUILT SHIPS

During the last week, one minesweeper H.M.C.S. "KENTVILLE", was launched and various trials

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were carried out with four Corvettes.

In addition, one Fairmile was launched, four were commissioned, and three, which had been laid up for the winter at Toronto, were re-commissioned.

STORES

The equipment purchased by the Naval Stores amounted this week to $401,893.64.

CHIEFS OF STAFF COMMITTEE
25th April
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 17.

Ottawa, 2nd May, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO.130

(For week ending 2nd May)

-vVv-

I. PERSONNEL

(a) The mobilized strength of the Royal Canadian Navy and Reserve Forces as at April 30th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	430	3,454	3,884
R.C.N.R.	825	4,269	5,094
R.C.N.V.R.	2,601	21,786	24,387
TOTAL	3,856	29,509	33,365

Increase - 353

(b) Recruiting Activities from April 23rd, 1942, to April 30th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	5	1	6
R.C.N.R.	4	16	20
R.C.N.V.R.	9	356	365
TOTAL	18	373	391

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	1	1
(a) Med. Unfit	0	22	22
(b) Other Reasons	1	14	15
TOTAL	1	37	38

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	2	2
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	2	2

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
197	1,065	1,262

II. CASUALTIES

(a) George RANDALL, Ch. E.R.A., A872, missing believed drowned, 17.4.42.

(b) C.J. SPEARIN, Sub-Lieutenant, R.C.N.V.R. reported as prisoner of war in Vichy, France.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	424	473
Other Deaths	6	51	57
TOTAL	55	475	430
Wounded or Injured . . .	2	66	68
Prisoners of War	2	1	3

III. OPERATIONS

- At Halifax -
- Arrivals -

(i) H.M.C.S. "RENARD" from Liverpool, N.S. 24.4.42.

(ii) H.M.C.S. "CLAYOQUOTE" 25.4.42.

(iii) H.M.C.S. "REGINA" 25.4.42.

(iv) H.M.C.S. "ST. CLAIR" 25.4.42.

(v) H.M. Trawler "ARCTIC EXPLORER" 25.4.42.

(vi) H.M.S. "VERITY" 25.4.42.

(vii) H.M.S. "WITHERINGTON" 25.4.42.

(viii) H.M.C.S. "MALPEQUE" 26.4.42.

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(ix) H.M.C.S. "RED DEER" 26.4.42.

(x) H.M.C.S. "SNOWBERRY" 26.4.42.

(xi) H.M.C.S. "COLUMBIA" 27.4.42.

(xii) H.M.C.S. "MIDLAND" 27.4.42.

(xiii) H.M.C.S. "KENOGAMI" 28.4.42.

(xiv) H.M.C.S. "CALGARY" 28.4.42.

(xv) H.M.C.S. "CHARLOTTETOWN" from O.N. 84 28.4.42.

(xvi) H.M.C.S. "CHEDABUCTO" 29.4.42.

(xvii) H.M.C.S. "HALIFAX" 29.4.42.

(xviii) H.M.C.S. "NANAIMO" 29.4.42.

-Departures -

(xix) O.N. 89 under Local Escort of H.M.S. "WITCH" and H.M.C. Ships "NIAGARA", "FREDERICTON", "SASKATOON", "THE PAS". Ocean Escort of U.S. Ships "BENSON", "MCCORMICK", and H.M.C. Ships "HEPATICA", "ALBERNI", "COLLINGWOOD" and H.M. Ships "ACONITE", "SURPRISE", "COURAGEOUS" 24.4.42.

(xx) H.M.C.S. "CHEDABUCTO" 24.4.42.

(xxi) H.M.C.S. "MAHONE" 25.4.42.

(xxii) H.X. 187 under Local Escort of H.M. Ships "WANDERER", "ROXBOROUGH", and H.M.C. Ships "SUDBURY", "SUMMERSIDE". Ocean Escort of H.M. Ships "HURRICANE", "ROCKINGHAM", "ANCHUSA", "DAHLIA", "MONKSHOOD" 26.4.42.

(xxiii) H.M.C.S. "NIPIGON" 27.4.42.

(xxiv) H.M.C.S. "SHERBROOKE" for Lunenburg, N.S. 28.4.42.

(xxv) O.N.S. 90 under Ocean Escort of H.M.C. Ships "COBALT", "DUNVEGAN", "NAPANEE", "ST. FRANCIS", "DRUMHELLER", and H.M.S. "BROADWAY" 29.4.42.

(xxvi) H.M.C.S. "FOUNDATION FRANKLIN" for Boston towing "DANAE II" 29.4.42.

(xxvii) "KEVIN MORAN" (Tug) for Boston 29.4.42.

(xxviii) H.M.S. "ANEMONE" 29.4.42.

(xxix) H.M.C.S. "CLAYOQUOTE" for Boston 29.4.42.

(xxx) S.C. 82 under Local Escort of H.M.S. "VANQUISHER" and H.M.C. Ships "ST. CLAIR", "ARROW-HEAD", "WEYBURN". Ocean Escort of H.M. Ships

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"HIGHLANDER", "WINCHELSEA", "ASPHODEL", "ANEMONE", "PENNYWORT" 30.4.42.

-Arrivals -

-At St. John's -

(xxxi) H.M.C.S. "HALIFAX" 24.4.42.

(xxxii) H.M.C.S. "NANAIMO" 24.4.42.

(xxxiii) H.M.C.S. "OAKVILLE" 24.4.42.

(xxxiv) H.M.S. "MONTGOMERY" 24.4.42.

(xxxv) H.M.S. "PENTLAND FIRTH" with defective boiler 24.4.42.

(xxxvi) H.M.S. "VETERAN" 24.4.42.

(xxxvii) H.M.C.S. "MINAS" 26.4.42.

(xxxviii) F.F. "MIMOSA" escorting O.N. 86 28.4.42.

(xxxix) H.M.S. "POTENTILLA" 29.4.42.

(xl) H.M.S. "ROSE" 29.4.42.

(xli) H.M.S. "WITCH" 29.4.42.

(xlii) H.M.C.S. "COWICHAN" from escort 29.4.42.

(xliii) H.M.C.S. "GANANOQUE" 29.4.42.

(xliv) H.M.C.S. "MAHONE" 29.4.42.

(xlv) H.M.C.S. "MORDEN" 29.4.42.

(xlvi) H.M.C.S. "NIAGARA" 29.4.42.

(xlvii) H.M.C.S. "SASKATOON" 29.4.42.

(xlviii) H.M.C.S. "THE PAS" 29.4.42.

(xlix) H.M.S. "AGANTHUS" 29.4.42.

(l) H.M.S. "EGLANTINE" 29.4.42.

- Departures -

(li) H.M.S. "FIREDRAKE" 24.4.42.

(lii) H.M.C.S. "COLUMBIA" en route Halifax 25.4.42.

(liii) H.M.C.S. "MIDLAND" 25.4.42.

(liv) H.M.C.S. "CALGARY" on escort duty 26.4.42.

(lv) H.M.C.S. "HALIFAX" escorting O.N. 86 26.4.42.

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(lvi) H.M.C.S. "NANAIMO" 26.4.42.

(lvii) H.M.C.S. "OAKVILLE" 26.4.42.

(lviii) H.M.S. "MONTGOMERY" 26.4.42.

(lix) H.M.S. "VETERAN" with O.N. 86 26.4.42.

(lx) H.M.C.S. "COWICHAN" on escort duty 28.4.42.

(lxi) H.M.C.S. "COWICHAN" on escort duty 29.4.42.

(lxii) H.M.C.S. "GANANOQUE" to Halifax 30.4.42.

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H.M.C.S. "DUNDAS" arrived Esquimalt from Vancouver.

H.M.C.S. "FREDERICTON" arrived St. John's Nfld., April 29th.

H.M.C.S. "HUSKY" departed Saint John, N.B., to escort April 24th.

H.M.C.S. "LA MALBAIE" arrived Quebec April 29th.

H.M.C.S. "PRINCE ROBERT" arrived Vancouver, April 27th. Departed to patrol West Coast, Vancouver Island and Queen Charlotte Islands.

H.M.C.S. "RIMOUSKI" arrived Argentia April 25th.

H.M.C.S. "SKEENA" arrived Argentia April 25th.

H.M.C.S. "SNOWBERRY" sailed Saint John, N.B., April 24th. Departed Saint John, N.B. April 24th.

H.M.C.S. "VISON" arrived Lunenburg from Halifax, April 29th.

H.M.S. "PRUDENT" arrived Campbellton April 24th.

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DIRECTOR OF OPERATIONS DIVISION

U-Boat Activities

ATLANTIC COAST

The U-Boat situation off the Atlantic Coast remained unchanged during the last week, with the area of submarine concentration extending from Cape Hatteras towards Bermuda.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:-

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TIME	NAME	POSITION Lat.(N)	Long.(W)	REMARKS
--	"DERRYHEAN" (Br.)	31° 25'	70° 45'	Survivors landed Bermuda.
Approx. April 1.	"EASTMOOR" (Br.)	38° 00'	63° 00' picked up	28 survivors by U.S. "CALGARY".
2200Q/19	"STEEL MAKER" (US)	33° 48'	70° 36' picked up	18 survivors by U.S. Destroyer.
1425/20	"VINELAND" (Can.)	23° 05'	72° 20'	35 survivors.
1125Z/22	"SAN JACINTO" (US)	31° 00'	70° 45'	Survivors landed Bermuda.
0215Z/25	"MODESTA" (Br.)	33° 32'	63° 10' landed at	24 survivors Bermuda.
0100R/27	"ALCOA PANTORER"(US)	13° 00'	67° 20'	27 survivors.
0930/28	"ARUNDO" (Dutch)	40° 10'	73° 44'	---
0200Z/30	Unknown	34° 36'	76° 32'	-(Presumed sinking)

The following ships were attacked by U-Boats but no further word as to the result has been received.

0715Z/19	Unknown	12° 10'	69° 02'	- - -
1100Z/23	"REINHOLT"	39° 18'	72° 57'	Attacked and on fire.
1213Z/23	"TROPIC STAR"	40° 50'	68° 42'	
0713Z/29	"MOBILOIL"	25° 35'	66° 18' shelled	Torpedoed and returned fire.
1230Z/29	"HARRY G. SEIDEL"	10° 11'	61° 30'	- - -

COUNTER ATTACKS

At 2230Z/24 a U.S. Army bomber depth charged a submarine in 040° 18'N, 068° 25'W. No results were observed.

H.M.C.S. "CHARLOTTETOWN" sighted submarine on the surface at 0615Z/25 in 042° 50'N., 063° 29'W. submarine dived. An attack was made with uncertain results.

A U.S. plane attacked a submarine at 1046Q/25 in 040° 00'N., 072° 36'W. A moderate oil slick was observed after the attack.

COASTAL CONVOYS

In order to provide coastal convoys between Boston, Halifax and Sydney, the following reorganization will shortly be carried out. O.N. and O.N.S. convoys will be routed to the vicinity of Halifax where vessels for Canadian Ports will be detached. The remainder of the convoy and the whole Western Local Escort Group will then continue to Cape Cod Canal. Escorts will refuel at Boston and will then escort east bound shipping

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from Boston to Halifax. Buzzard Bay (at the south end of Cape Cod Canal) or Cape Cod Bay (at the north end of the Canal) will be used as assembly points for East bound coastal convoys.

Shipping for Sydney and the St. Lawrence will break off from O.N. and O.N.S. convoys and will be escorted to Sydney by two or three Corvettes of the Mid-Ocean Escort Group. In the event that no Corvettes have sufficient fuel for this purpose, shipping for the Gulf will break off at Halifax.

PACIFIC COAST

H.M.C.S. "PRINCE HENRY" is expected to arrive Esquimalt on 7th May from Panama. She will commence her annual refit immediately.

H.M.C.S. "PRINCE ROBERT" is at present carrying out patrol duties off Vancouver Island.

H.M.C.S. "PRINCE DAVID" is at present refitting at Vancouver.

All other available craft are engaged in patrol work on the West Coast. No enemy activity has been detected during the week.

GENERAL

The following changes in the allocation of Bangor Class Minesweepers have been ordered:

(a) To date 1st May, "BURLINGTON", "RED DEER", "GANANOQUE", "GODERICH" from Western Local Escort Force to Halifax Local Defence Force.

(b) On commencing operations at Sydney and on completion of working up "GRANDMERE", "MEDICINE HAT", "VEGREVILLE" to Sydney Force, "MELVILLE" to Western Local Escort Force, "DRUMMONDVILLE" from Western Local to Sydney Force.

In order to take full advantage of repair facilities at Argentia it has been proposed by C.T.F. 24 to stagger escort assignments of British Escort units rather than continue the present policy of using these escorts with consecutive convoys.

U.S. Destroyer "STURTEVANT" was reported by the press during the early part of the week to have been lost off Miami as a result of an under water explosion.

During the past week two corvettes "LA MALBAIE" and "MONCTON" were commissioned. "LA MALBAIE" is at present at Quebec undergoing gunnery and depth charge trials. "MONCTON" is at Saint John, N.B.

H.M.C.S. "WOODSTOCK" was accepted at Collingwood and proceeded to Toronto where she successfully completed her gunnery and depth charge trials.

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She is now at Montreal for W/T and R.D.F. fitting. She will be commissioned before proceeding to Quebec.

There are at present seven Fairmiles undergoing trials at Toronto.

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ROUTEING AND CONVOY SECTION

A convoy comprising 65 ships of which 19 were British, 4 Norwegian, 2 Dutch, 3 Greek, 2 Icelandic, 4 Panamanian, 31 U.S. sailed from Halifax on April 23rd, under the A/S Escort of H.M. Ships "HESPERUS", "PIORUN", "CLEMATIS", "GENTIAN", "SWEET-BRIAR", "VERVAIN".

A convoy comprising 26 ships of which 15 were British, 6 Norwegian, 3 Dutch, 2 U.S., sailed from Halifax under the A/S Escort of H.M. Ships "HURRICANE", "DAHLIA", "ROCKINGHAM", "MONKSHOOD", "ANCHUSA" 27.4.42.

There was one independent trans-ocean sailing from the Atlantic Coast this week.

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WORKS

MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Ninety-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (85), Saint John (8), Montreal (1), Sydney (1), Esquimalt (4).

Information in connection with arming etc. has been received regarding the following ships:

"CONNECTOR"	3" gun mounted	Halifax
"GYDA"	3" gun mounted	Halifax
"SARPEDON"	12 Pdr. gun mounted (ex "Clare Lilly")	Halifax
"FORT TADOUSSAC"	4" gun mounted	Quebec
"FORT GEORGE"	4" gun mounted	Esquimalt

The deguassing equipment of 97 ships was inspected this week in Canadian Ports; 96 were reported as satisfactory repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 11 ships in United States Ports.

INSPECTOR OF CONTRACT BUILT SHIPS

During the past week, the work of Trials and Commissioning Ships was carried out with the following results:

.....9.

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5 Corvettes - made successful Trials, two of which were commissioned and one accepted.

5 Minesweepers - completed their Trials, one being provisionally accepted, and one commissioned.

3 Fairmiles - were recommissioned, and one made all her Trials successfully.

SENIOR TECHNICIAN; TECHNICAL DIVISION

The S.T.T.D. visited Galt, Ontario to inspect the first of the steam turbo-generators for the Bangor Class Minesweepers, a report of which has been placed on the appropriate file.

A considerable amount of Passive Air Defence work has been done in the preparation of the proposals for changes to be incorporated in buildings specifications, in order to make the buildings better suited to resist bombing attacks from the air.

A general idea for the screening of Halifax harbour and Bedford Basin with smoke has been placed before the Naval Staff.

DEGAUSSING OFFICER

In the course of the week six vessels were depermed, and D.G. work was carried out on 16 others.

Admiralty have been informed that approximately $1,200,000. is the estimated expenditure for the degaussing of British and Allied Merchant Vessels in Canada during the coming year, excluding any New Construction for the Admiralty, the Value of Lease Lend equipment being supplied from the U.S.A., and the cost of degaussing any vessels of Canadian registry.

It has been decided to try out a Canadian photographic paper supplied by the Canadian Kodak Co., Ltd., at various D.G. ranges, since at present all such paper is being supplied from the United Kingdom.

DIRECTOR OF A/S

Measures are being undertaken to put the following projects in train, as approved at the 84th meeting of Naval Staff:

(1) Install a number of systems of fixed defence on the West Coast.

(2) Obtain three "Blinker" targets from Admiralty, and to build one experimental target at National Research Council.

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(3) Fit a second A/S set in H.M.C.S. "SANS PEUR".

(4) Fit an A/S set in H.M.C.S. "FIFER".

(5) Conduct experiments to protect domes against logs.

DIRECTOR OF RADIO SUPPLY

R.D.F. fitting in new construction ships is in hand at Toronto and Quebec City.

The Director of Radio Supply represented the R.C.N. at a Sub-Committee "N" Meeting in Washington, on the 22nd April. Approximately seventy representatives from all Services of the United States, Great Britian, Canada, New Zealand and Australia were present. The Committee was dissatisfied with the present organization and recommended the establishment of a permanent Committee in Washington to handle all R.D.F. matters.

The Director of Radio Supply and one other member of the staff visited a Submarine of the U.S. Navy in Portsmouth, New Hampshire in order to obtain technical data on the performance of certain new equipment recently installed.

SUPERINTENDENT OF BOOM DEFENCE

At all bases hands are employed in a heavy programme of repair and construction work, and at Sydney both A/S and A/T Nets are stowed ashore to be relaid when weather conditions permit.

At Halifax, experimental work was carried out by the Boom Design Officer with different arrangements of Curtain Nets.

The Concrete foundations for Boom Defence Buildings and Paint Shop at Esquimalt have been completed and framework commended.

Arrangements were made with the Department of Munitions and Supply by the Superintendent of Boom Defence regarding the acquisition of Boom Maintenance Vessel for the use at Gaspe, P.Q.

RESEARCH LIAISON OFFICER

The Panoramic Receiver for F.I.S. has been completed and is undergoing operational tests.

A joint project between the three Services for the construction of a pilot model for the National Research Council C.R.D.F. Receiver has been agreed upon.

Experimental work on buoyant materials has been extended to the blowing of tars readily available in the Alberta Oil Fields. The results have been promising.

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5. STORES

The equipment purchased by the Naval Stores amounted this week to $520,586.38.

CHIEFS OF STAFF COMMITTEE
2nd May
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S E C R E T COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 17,

Ottawa, 16th May, 1942.

Summary of information respecting Departmental Activities

SUMMARY NO. 132

(For week ending 16th May)

-vVv-

I. PERSONNEL

(a) The mobilized strength of the Royal Canadian Navy and Reserve Forces as at May 14th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	435	3,454	3,889
R.C.N.R.	831	4,295	5,126
R.C.N.V.R.	2,643	22,383	25,026
TOTAL	3,909	30,132	34,041

Increase 314

(b) Recruiting Activities from May 7th, 1942, to May 14th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	4	17	21
R.C.N.V.R.	33	303	336
TOTAL	40	320	360

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	0	0	0
(a) Med. Unfit	0	12	12
(b) Other Reasons	5	29	34
TOTAL	5	41	46

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	2	2

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
259	1,319	1,578

II. CASUALTIES

- NIL -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	424	473
Other Deaths	6	52	58
TOTAL.	55	476	531
Wounded or Injured . . .	2	66	68
Prisoners of War	3	1	4

III. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "WETASKIWIN" 8.5.42.

(ii) H.M.S. "POLYANTHUS" 8.5.42.

(iii) H.M.S. "WANDERER" from O.N. 88 9.5.42.

(iv) H.M.C.S. "DRUMMONDVILLE" from B.S. 14 9.5.42.

(v) H.M.C.S. "MINAS" 9.5.42.

(vi) H.M.C.S. "SUDBURY" 9.5.42.

(vii) H.M.C.S. "NANAIMO" from L.C. 13 10.5.42.

(viii) H.M.C.S. "ELK" from Norfolk 11.5.42.

(ix) H.M.C.S. "NIPIGON" from BX 15 11.5.42.

(x) H.M.C.S. "KAMLOOPS" 12.5.42.

(xi) H.M.C.S. "MONCTON" from Portsmouth 12.5.42.

(xii) H.M.C.S. "NIAGARA" 12.5.42.

(xiii) H.M.C.S. "OAKVILLE" from Sable Island 12.5.42.

(xiv) H.M.C.S. "RACCOON" 12.5.42.

(xv) H.M.C.S. "SWIFT CURRENT" 12.5.42.

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(xvi) H.M.C.S. "WETASKIWIN" 12.5.42.

(xvii) H.M.S. P S 12 12.5.42.

(xviii) H.M.C.S. "ALBERNI" 12.5.42.

(xix) H.M.C.S. "GRANBY" 13.5.42.

(xx) H.M.C.S. "HAMILTON" 12.5.42.

(xxi) H.M.C.S. "LA MALBAIE" 13.5.42.

(xxii) H.M.C.S. "UNGAVA" 13.5.42.

- Departures -

(xxiii) H.M.C.S. "NIAGARA" for Pictou 8.5.42.

(xxiv) H.M.C.S. "MAHONE" 9.5.42.

(xxv) H.M.C.S. "ST. CROIX" 9.5.42.

(xxvi) H.M.S. "ROXBOROUGH" for Bermuda 9.5.42.

(xxvii) H.M.S. "TADOUSSAC" with L.C. 15 9.5.42.

(xxviii) H.M.C.S. "CALGARY" 10.5.42.

(xxix) H.M.C.S. "MIDLAND" 10.5.42.

(xxx) H.M.C.S. "OAKVILLE" for Sable Island 10.5.42.

(xxxi) H.M.C.S. "RACCOON" 10.5.42.

(xxxii) H.M.S. "POLYANTHUS" 10.5.42.

(xxxiii) H.M.S. "WALKER" 10.5.42.

(xxxiv) H.M.C.S. "HAMILTON" 11.5.42.

(xxxv) H.M.C.S. "KAMLOOPS" 11.5.42.

(xxxvi) H.M.C.S. "SWIFT CURRENT" 11.5.42.

(xxxvii) H.M.C.S. "WETASKIWIN" 11.5.42.

(xxxviii) H.M.S. P S 12 11.5.42.

(xxxix) H.M.C.S. "CLAYOQUOT" 12.5.42.

(xl) H.M.C.S. "MINAS" 12.5.42.

(xli) H.M.C.S. "QUINTE" 12.5.42.

(xlii) H.M.C.S. "RACCOON" 12.5.42.

(xliii) H.M.C.S. "ARROWHEAD" 13.5.42.

(xliv) H.M.C.S. "BURLINGTON" for Gaspe 13.5.42.

(xlv) H.M.C.S. "LOOS" for Sydney 13.5.42.

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(xlvi) S.C. 84 under Local Escort of H.M. Ships "VETERAN", "MONTGOMERY" and H.M.C. Ships "NANAIMO", "OAKVILLE" 14.5.42.

- At St. John's -

- Arrivals -

(xlvii) H.M.C.S. "CHEDABUCTO" from HX 188 8.5.42.

(xlviii) H.M.C.S. "KENOGAMI" 8.5.42.

(xlix) H.M.C.S. "SNOWBERRY" 8.5.42.

(l) P 552 8.5.42.

(li) H.M.C.S. "COWICHAN" with L.C. 12 9.5.42.

(lii) H.M.C.S. "COBALT" from O.N. 90 11.5.42.

(liii) H.M.C.S. "AGASSIZ" from C.N. 91 12.5.42.

(liv) H.M.C.S. "BUCTOUCHE" 12.5.42.

(lv) H.M.C.S. "CHAMBLY" 12.5.42.

(lvi) H.M.C.S. "COWICHAN" from S.C. 83 12.5.42.

(lvii) H.M.C.S. "DUNVEGAN" from O.N. 91 12.5.42.

(lviii) H.M.C.S. "MAYFLOWER" 12.5.42.

(lix) H.M.C.S. "ROSTHERN" 12.5.42.

(lx) H.M.C.S. "ST. CROIX" 12.5.42.

(lxi) H.M.S. "ACONITE" for St. Pierre 12.5.42.

(lxii) H.M.S. "NASTURTIUM" 12.5.42.

(lxiii) H.M.C.S. "DRUMHELLER" 13.5.42.

(lxiv) H.M.S. "FORT YORK" 13.5.42.

(lxv) H.M.S. "POLYANTHUS" 13.5.42.

(lxvi) H.M.S. "TADOUSSAC" 13.5.42.

(lxvii) H.M.S. "VERITY" 13.5.42.

(lxviii) H.M.S. "WITHERINGTON" 13.5.42.

(lxix) H.M.C.S. "CALGARY" 14.5.42.

(lxx) H.M.C.S. "CHARLOTTETOWN" from S.C. 83 14.5.42.

(lxxi) H.M.C.S. "COLUMBIA" from HX 189 14.5.42.

(lxxii) H.M.C.S. "HALIFAX" 14.5.42.

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(lxxiii) H.M.C.S. "MIDLAND" 14.5.42.

(lxxiv) H.M.C.S. "REGINA" 14.5.42.

(lxxv) H.M.S. "WALKER" 14.5.42.

- Departures -

(lxxvi) H.M.C.S. "BUCTOUCHE" for Harbour Grace 8.5.42.

(lxxvii) H.M.C.S. "MORDEN" for O.N. 90 8.5.42.

(lxxviii) H.M.S. "FORT YORK" 8.5.42.

(lxxix) H.M.S. "ACANTHUS" 9.5.42.

(lxxx) H.M.S. "EGLANTINE" 9.5.42.

(lxxxi) H.M.S. "POTENTILLA" 9.5.42.

(lxxxii) H.M.C.S. "ALBERNI" escorting L.C. 34 10.5.42.

(lxxxiii) H.M.C.S. "CHEDABUCTO" for O.N. 90 10.5.42.

(lxxxiv) H.M.C.S. "KENOGAMI" 10.5.42.

(lxxxv) H.M.C.S. "SNOWBERRY" 10.5.42.

(lxxxvi) H.M.S. "LINCOLN" 10.5.42.

(lxxxvii) H.M.C.S. "ARROWHEAD" 11.5.42.

(lxxxviii) H.M.C.S. "COWICHAN" to excort S.C. 83 11.5.42.

(lxxxix) H.M.C.S. "ST. CLAIR" 11.5.42.

(xc) H.M.C.S. "ST. FRANCIS" for Argentia 11.5.42.

(xci) H.M.C.S. "WEYBURN" 11.5.42.

(xcii) H.M.S. "NASTURTIUM" for local exercises 11.5.42.

(xciii) H.M.S. "VANQUISHER" 11.5.42.

(xciv) H.M.C.S. "BUCTOUCHE" 13.5.42.

(xcv) H.M.C.S. "CHAMBLY" to join HX 189 13.5.42.

(xcvi) H.M.C.S. "FENNEL" 13.5.42.

(xcvii) H.M.C.S. "HEPATICA" 13.5.42.

(xcviii) H.M.C.S. "NAPANEE" 13.5.42.

(xcix) H.M.C.S. "SOREL" 13.5.42.

(c) H.M.S. "DIANTHUS" 13.5.42.

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(ci) H.M.S. "ACONITE" 13.5.42.

(cii) F.F. "MIMOSA" 13.5.42.

(ciii) H.M.S. "NASTURTIUM" 13.5.42.

(civ) P 552 13.5.42.

(cv) H.M.C.S. "ASSINIBOINE" 14.5.42.

(cvi) H.M.C.S. "CHARLOTTETOWN" for O.N. 82 14.5.42.

(cvii) H.M.C.S. "ST. CROIX" 14.5.42.

(cviii) H.M.S. "VERITY" 14.5.42.

(cix) H.M.S. "WITHERINGTON" 14.5.42.

- At Sydney -

- Arrivals -

(cx) H.M.C.S. "UNGAVA" 10.5.42.

(cxi) H.M.C.S. "MALPEQUE" 12.5.42.

- Departures -

(cxii) H.M.C.S. "UNGAVA" 11.5.42.

(cxiii) H.M.S. "TEAKWOOD" 12.5.42.

(cxiv) H.M.C.S. "GRANBY" 12.5.42.

(cxv) H.M.C.S. "LA MALBAIE" 12.5.42.

(cxvi) H.M.C.S. "MEDICINE HAT" to conduct search for submarine.

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H.M.C.S. "PRINCE HENRY" arrived Esquimalt 8.5.42.

H.M.C.S. "PRINCE ROBERT" departed Esquimalt for patrol of West Coast, Vancouver Is. 12.5.42. Returned Esquimalt 13.5.42. Departed Esquimalt for trials.

ROUTEING AND CONVOY SECTION

A slow convoy comprising 61 ships of which 20 were British, 21 U.S., 4 Greek, 9 Norwegian, 4 Panamanian, 2 Dutch, 1 USSR sailed from Halifax on May 7th. A/S Escort: Not Received.

A convoy comprising 21 ships of which 15 were British, 5 Norwegian, 1 Dutch sailed from Halifax on May 10th under the A/S Escort of H.M.C. Ships "ASSINIBOINE", "ST. CROIX", "CHAMBLY", "BUCTOUCHE" and H.M. Ships "NASTURTIUM", "DIANTHUS", "MIMOSA", "ACONITE".

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There were two independent trans-ocean sailings this week from the Atlantic Coast.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-Boat Activities

Although the number of attacks and sinkings during the week has somewhat declined from the level of the week preceding, two notable extensions of U-Boat activities have occurred. One merchant ship was sunk and three others were attacked in the New Orleans area of the Gulf of Mexico, and (on the night of 11th May - 12th May) two merchant ships were sunk between the Gaspe Peninsula and Anticosti Island in the St. Lawrence River.

Caribbean attacks continue to form a large percentage of the week's total. Three ships were sunk in Bermuda waters, including the Canadian National Steamships' "Lady Drake" and a few attacks and sinkings occurred off Nova Scotia and Southward.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:-

TIME	NAME	POSITION Lat. (N)	Long. (W)	REMARKS
07402/6	"AMAZONE" (Neth)	27° 21'	80° 04'	Cargo - 20 of 34 saved.
1617/6	"LADY DRAKE" (Br.)	34° 18'	64° 25'	Passenger - 12 missing.
-/7	"FRANK SEAMAN'S (Nor)	06° 21'	55° 38'	Cargo - all crew saved.
-/1	"JAMES EASY NEWSOM" (Br)	35° 50'	59° 40'	Sailing ship. 9 survivors.
-/4	"TUSCALOOSA CITY" (US)	18° 32'	81° 45'	Cargo. All crew saved.
-/8	"OHIOAN" (US)	26° 31'	79° 59'	Cargo. 22 survivors.
-/8	"TORNY" (Nor)	26° 40'	86° 40'	Cargo. 24 survivors.
-/6	"ABGARA" (Lat)	20° 45'	72° 55'	Cargo. Crew saved.
-/6	"ONTARIO" (Hon)	28° 12'	87° 32'	Cargo. Left ablaze.

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-/20/4	"EMPIRE DRYDER"(Br)	35° 45'	66° 28'	Cargo.
0815Z/9	"LUBRA JOL" (Pan)	26° 26'	80° 00'	Tanker - Left ablaze, presumed sunk- 31 of 44 saved.
1205Z/8	"MONTLOUIS" (Br)	08° 23'	58° 44'	Cargo. 8 survivors.
0355/12	"NICOYA" (Br)	49° 19'	64° 51'	Tramp (sunk in Gulf)
0020Z/10	"KITTY'S BROOK" (BR)	42° 59'	64° 56'	Cargo. 2 Boat loads of survivors.
or P.M./11 A.M./12	"EMPIRE DELL" (Br) "LLANOVER" (Br) "MOUNT PARNES" (Br) "COCLE" (Pan) "CRISTALES" (Br)	Vicinity of 53° 00'	29° 00'	All Cargo ships were in ON 92
0640Z/12	"LETO" (Neth)	49° 32'	65° 19'	Cargo- (Sunk in Gulf) 31 survivors - 12 missing.
-/6	"GREEN ISLAND"(US)	18° 25'	81° 30'	Cargo.
-	"BATNA" (Br)) "TOLKEN" (Swed))	50° 59'	34° 00'	Cargo ships- sunk while in O.N. 92.

The following ships were attacked by U-Boats, but no further word as to the result has been received.

1932Z/7	Unknown Ship	24° 45'	84° 05'	Tanker
0800/9	Unknown Ship	26° 24'	80° 01'	
0730/10	"AURORA" (US)	28° 35'	90° 00'	Tanker
0330Z/10	Unknown	27° 39'	79° 51'	Sighted burning by planes.
1843/11	"CAPE OF GOOD HOPE" (Br)	22° 45'	58° 25'	Cargo
2006/13	Unknown	28° 53'	89° 29'	
0534Z/14	"ETTRICK BANKS" (Br)	5 miles S.E. Cape Florida		Tanker.

ATTACKS IN GULF OF ST. LAWRENCE

A submarine of unknown nationality was reported seen by a Fisherman 20 miles S.W. of Southern Head Grand Manan Island at 9 P.M. of 9th May.

An unidentified submarine was reported at 0900Z/10 by coast watchers off Cape Ray moving westward, and F.O.N.F. reported that an object resembling a periscope had again been reported in the same vicinity at 1430Z/11 moving southward.

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The above indications that a U-Boat was operating in the Gulf were substantiated when a report was received that the S.S. "NICOYA" had been torpedoed in 049° 52' N., 065° 02' W. at 0355/12 and another vessel the Dutch "LETO" torpedoed in 049° 32' N., 065° 19' at 0640Z/12.

The M/S H.M.C.S. "MEDICINE HAT" was despatched to the scene of the attacks to carry out a search. The search apparently was non-productive and she has been ordered to proceed to Gaspe.

COUNTER ATTACKS

As a result of the attacks above, all shipping in the Gulf of St. Lawrence has been stopped and Plan G/L 2 for St. Lawrence Convoys has been put into effect. Five Minesweepers have been allocated by C.O.A.C. for St. Lawrence Convoys. Additional Armed Yachts and Fairmiles will be allotted as soon as they are available.

U.S. Destroyer Squadron 30 reported an attack made on a submarine in 027° 02' N., 079° 55'W., at 0130Z/8. Eight attacks totalling twenty-five depth charges were made. After the second attack was made no further movement of the submarine was noted and additional oil brought to the surface indicated probable positive results.

"COMINCH" reported that a periscope was sighted in 041° 15' N., 071° 05' W. at 0935Z/8. An attack was carried out with Depth Charges but no further report as to the result has been received.

At 2040Z/10 the U.S. C.G. "ICARUS" sank a submarine in 034° 12' N., 076° 35' W. Thirty-two survivors from the German crew were picked up.

At 2241Z/10 an American army aircraft located and attacked a submarine in 048° 46' N. 062° 42' W. Results of attack are unknown.

ATTACKS ON CONVOYS

During the night of 12th May, ON 92 escorted by two U.S. Destroyers, four Corvettes and a rescue ship was attacked by two or more submarines. Five ships were sunk as a result of this attack. The next night two more ships were sunk. The escorts made counter attacks and picked up many survivors. H.M.C.S. "KAMSACK" joined the convoy from ON 93 and a Western Local Escort Group is now en route to reinforce the escort of this convoy.

H.M.C.S. "UNGAVA" reported that Q.S.5. 1 was attacked at 0405Z/13, by torpedoes in postiion 044°32'N. 063° 05'W. A counter attack was made with unknown results.

PACIFIC COAST

R.C.A.F. at Esquimalt reported sighting a submarine at 2028/13. H.M.C.S. "QUATSINO", "MIRAMICHI" and "KELOWNA" were sent from Esquimalt to investigate.

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. No further report has been received.

GENERAL

On May 6th British Advisory Repair Mission Washington reported H.M. Trawler "SENATEUR DUHAMEL" sunk in collision with the U.S. Destroyer "SEMMES" off Wilmington. All of the crew were saved. This was one of the A/S Trawlere lent by the R.N. to the U.S. Navy for Atlantic Coast patrol work.

H.M.C.S. "ELK" which with "VISON" has been at Trinidad during the winter arrived at Halifax at 1837Z/11 from Norfolk, Va., where she was delayed en route by defects.

On the chance that U-Boats may be using Sable Island as a landfall in the Western Atlantic, A.O.C. E.A.C. is establishing an air patrol there to commence operations 15th May. This patrol will be carried out by one Walrus A/C over a radius of 90 miles.

N.O.I.C. Quebec suggests the possibility that enemy submarines may use Washtawooka Bay on Anticosti Island as it is alleged that a German Party who visited Anticosti, before the outbreak of war, took soundings there.

N.O.I.C. Quebec requests that in view of the present outlook in the St. Lawrence River, one fast vessel with striking power be allocated to that base immediately. Two New Construction Fairmiles have been temporarily allotted to N.O.I.C. Quebec for the purpose.

Sydney will be re-opened as a Convoy Port commencing with S.C. 85 on the 28th of May.

Canadian tanker convoys from Halifax to Trinidad and return are designated H.T. and T.H. respectively. These convoys will each be escorted by two corvettes detailed by C.O.A.C. C.O.A.C. will sail these convoys from Halifax to Trinidad at approximately 14 day intervals, commencing with H.T. 1 about the 20th of May.

It has been proposed by C.O.A.C. to allocate the Corvettes released to his command from the A1 and A2 escort groups as follows:

1. One Corvette to Tanker Convoys.

2. Three Corvettes to Western Local Force to relieve three Bangor Minesweepers.

On relief by the Corvettes, the Minesweeper "MELVILLE" will go to the Shelburne Force, the Minesweeper "QUINTE" to the Sydney Force and the Minesweeper "CLAYOQUOT" to the Saint John, N.B. Force.

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NEW CONSTRUCTION

H.M.C. Minesweeper "INGONISH" was commissioned on the West Coast May 8th. "INGONISH" is the fifth to commission of six Bangors built for Admiralty in British Columbia and manned (except engine room) by R.C.N. crews.

In the East, five newly completed Fairmiles are on the point of departure, for tide-water from Toronto; H.M.C. Corvette "BRANTFORD" and two Fairmiles are completing W/T and R.D.F. in Montreal and H.M.C. Corvette "WOODSTOCK" has arrived in Quebec where she is employed on river patrol while awaiting escort duty with a Quebec - Sydney convoy.

.....

IV. WORKS

DIRECTOR OF DEFENSIVELY EQUIPPED MERCHANT SHIPS

One hundred and thirty-nine D.E.M.S. inspections were carried out this week in the following ports: Halifax (76), Montreal (28), Saint John(26), Esquimalt (8), Sydney (1).

Information in connection with arming etc. has been received regarding the following ships:

"SILVERSWORD"	3" gun mounted (to replace defective 4" gun)	Halifax
"EL OCEANO"	3" gun mounted (to replace defective 4" gun)	"
"ERICUS"	3" gun mounted	"
"ROSECASTLE"	4" gun mounted	Sydney

The degaussing equipment of 134 ships was inspected this week in Canadian Ports; 127 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 11 ships in United States Ports.

SENIOR TECHNICIAN: TECHNICAL DIVISION

It has been decided to construct eight 105 ft. wooden minesweepers on the West Coast, to be equipped with "LL" gear from Admiralty orders now being supplied from the United States.

The Passive Air Defence Officer has been appointed member of the Interservice Committee on Camouflage.

Arrangements are now being made for the procurement of bomb disposal equipment.

SUPERINTENDENT OF BOOM DEFENCE

Considerable experimental work was carried

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out with types of suspension for A/B Curtain Net across Trot Bridles at Halifax, N.S.

For the past seven weeks unfavourable weather and the absence of the Floating Equipment, which was used on important salvage work on the East Coast, have hampered the moving of the A/S Net at Shelburne, N.S., but during the past week this operation was completed.

The Slab, at Prince Rupert, B.C. was completed and accepted by the Department of Public Works Engineer.

Considerable time was spent at St. John's, Nfld., with a Diving Party salvaging Chain Cable and Anchors.

DIRECTOR OF A/S

Projects in hand in this Directorate at present, exclusive of routine operations, are as follows:-

(a) A/S Fixed Defences - Esquimalt, Victoria, Prince Rupert, Juan de Fuca Strait, Vancouver, Botwood
(b) A/S Installation H.M.C.S. "FIFER".
(c) Duplicate A/S installation H.M.C.S. "SANS PEUR".
(d) Supply of E/S to R.C.N. Ships.
(e) Fitting of Hedgehogs to R.C.N. Ships.
(f) Protection of Domes.
(g) Maintenance of S/A gear.

DIRECTOR OF RADIO SUPPLY

Good progress is being made with the R.D.F. fitting of new construction ships at Quebec, Toronto, and Port Arthur, 45 standard and extended forecastle Corvettes being fitted, with 14 in hand on the east and west coast.

Reports from "CHAMBLY" and "OAKVILLE" indicate that the air compressor dehydrator is very satisfactory.

Recommendations have been passed to D.S.D. for the elimination of glare causing eye strain of R.D.F. operators.

DEGAUSSING OFFICER

Besides carrying out D.G. work on 35 vessels and deperming 5 others, considerable investigation work has been done with regard to the possibility of fitting a low voltage generator on the existing power supply bed plate, with certain modifications, on the 10,000 ton Cargo Vessels.

Owing to the tin shortage, it has been decided to use solderless lugs on all degaussing installations in Canada.

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The shipment to the West Coast of compass corrector equipment for use on Canadian Merchant Vessels now in commission, has commenced.

Thr programme for the Quebec D.G. Range is progressing favourably, and a financial encumbrance for the sum of $48,000.00 to cover the cost of preliminary survey, installation and construction of a D.G. Range Hut with all necessary facilities, is being approved at present.

Plans are under way for the reorganization of D.G. personnel throughout Canada generally along the lines of British organization, but with the exception that Naval and Merchant degaussing will be handled by the same personnel and organization.

RESEARCH LIAISON OFFICER

Rough comparative tests made visually between untreated binoculars and those treated with flouride coating show that the treatment gives a noticeable improvement in the brightness of the image.

The Optics Division have prepared designs for Naval telescopes, and will construct some 600 of each of the total optical systems to be fitted in mountings, to be manufactured by the Eastman Kodak Company of Canada, on a Naval Order.

Tests are being carried out with samples of materials to prevent the rusting of stored machinery, and the corrosion of steel and iron surfaces when immersed in sea water.

INSPECTOR OF CONTRACT BUILT SHIPS

During the week the Inspector of Contract Built Ships has been absent in Montreal inspecting New Construction, but it is reported that 3 Fairmiles have been launched, 2 Minesweepers have been accepted and commissioned, and Trials have also been carried out with 2 Corvettes.

V. STORES

The equipment purchased by the Naval Stores amounted this week to $1,197,844.86.

CHIEFS OF STAFF COMMITTEE
16th May
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 17.

Ottawa, 9th May, 1942.

Summary of information respecting Departmental Activities

SUMMARY NO. 131

(For week ending 9th May)

-vVv-

I. PERSONNEL

(a) The mobilized strength of the Royal Canadian Navy and Reserve Forces as at May 7th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	432	3,453	3,885
R.C.N.R.	827	4,283	5,110
R.C.N.V.R.	2,615	22,117	24,732
TOTAL	3,874	29,853	33,727

Increase 362

(b) Recruiting Activities from April 30th, 1942, to May 7th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	2	2	4
R.C.N.R.	14	6	20
R.C.N.V.R.	16	359	375
TOTAL	32	367	399

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec.2)	1	1	2
(a) Med. Unfit	0	4	4
(b) Other Reasons	1	30	31
TOTAL	2	35	37

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(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	0	0
To R.C.N.V.R. from R.C.N.	0	1	1
TOTAL	0	1	1

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
210	1,036	1,246

II. CASUALTIES

(a) Ralph C. RIPLEY, Lieutenant, R.C.N.V.R., reported missing.

(b) George L. HAMILTON, Ord. Sig., V35011 died May 3rd, 1942.

(c) David L. DAVIES, Lieutenant, R.C.N.V.R., previously reported missing (Report #134) now reported as prisoner of war in Germany.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	424	473
Other Deaths	6	52	58
TOTAL.	55	476	531
Wounded or Injured . . .	2	66	68
Prisoners of War	3	1	4

III. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "CAMROSE" from Lunenburg 1.5.42.

(ii) H.M.C.S. "COWICHAN" 1.5.42.

(iii) H.M.C.S. "MEDICINE HAT" 1.5.42.

(iv) H.M.C.S. "NIPIGON" 1.5.42.

(v) H.M.C.S. "GANANOQUE" 2.5.42.

(vi) H.M.C.S. "ST. CROIX" 2.5.42.

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(vii) H.M.S. "MONTGOMERY" 2.5.42.

(viii) H.M.S. "VETERAN"

(ix) H.M.C.S. "CLAYOQUOT" from Cape Cod 3.5.42.

(x) H.M.C.S. "COLUMBIA" escorting "TEAKWOOD" 3.5.42.

(xi) H.M.S. "TEAKWOOD" 3.5.42.

(xii) H.M.C.S. "GEORGIAN" 4.5.42.

(xiii) H.M.C.S. "UNGAVA" 4.5.42.

(xiv) H.M.C.S. "BRANDON" from O.N. 88 5.5.42.

(xv) H.M.C.S. "GRANDMERE" from Pictou 5.5.42.

(xvi) H.M.C.S. "MAHONE" 5.5.42.

(xvii) H.M.C.S. "SASKATOON" from O.N. 89 5.5.42.

(xviii) H.M.S. "WITCH" from O.N. 89 5.5.42.

(xix) H.M.C.S. "QUINTE" 6.5.42.

(xx) H.M.C.S. "NIAGARA" 7.5.42.

(xxi) H.M.S. "ROXBOROUGH" 7.5.42.

(xxii) H.M.S. "VISCOUNT" 7.5.42.

(xxiii) H.M.C.S. "SUMMERSIDE" 7.5.42.

- Departures -

(xxiv) H.M.C.S. "COLUMBIA" escorting "TEAKWOOD" to Gulf of St. Lawrence 1.5.42.

(xxv) H.M.S. "TEAKWOOD" 1.5.42.

(xxvi) Cable Ship "LORD KELVIN" 2.5.42.

(xxvii) H.M.C.S. "UNGAVA" 2.5.42.

(xxviii) H.M.S. "FORT YORK" 2.5.42.

(xxix) H.M.C.S. "DRUMMONDVILLE" 3.5.42.

(xxx) H.M.C.S. "FLEUR DE LIS" 3.5.42.

(xxxi) H.M.C.S. "VEGREVILLE" 3.5.42.

(xxxii) H.M.S. "AVENGER" 3.5.42.

(xxxiii) H.X. 188 under Local Escort of H.M.S. "LINCOLN" and H.M.C. Ships "SNOWBERRY", "KENOGAMI", "CHEDABUCTO" and Ocean Escort of H.M. Ships "HARVESTER", "RENONCULE", "LOBELIA", "MIGNONETTE", "NARCISSUS" 3.5.42.

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(xxxiv) A.T. 15 under Escort of U.S. Ships "LANSDALE", "H.P. JONES", "C.F. HUGHES", "MAYRANT", "TRIPPE", "RHIND", "ROWAN", "GIDISON", "EBERLE", "NICHOLSON", "J.SWANSON", "INGRAHAM", "ERRICSON", "BUCK" 3.5.42.

(xxxv) H.M.C.S. "LOOS" 4.5.42.

(xxxvi) H.M.C.S. "MATAPEDIA" 4.5.42.

(xxxvii) H.M.C.S. "ST. ELOI" 4.5.42.

(xxxviii) H.M.C.S. "RENARD" 5.5.42.

(xxxix) H.M.C.S. "UNGAVA" escorting scow and tug 6.5.42.

(xl) H.M.C.S. "COWICHAN" 7.5.42.

(xli) H.M.C.S. "MINAS" 7.5.42.

(xlii) H.M.C.S. "NANAIMO" 7.5.42.

(xliii) H.M.C.S. "NIPIGON" 7.5.42.

(xliv) S.C. 83 under Local Escort of H.M. Ships "VERITY", "WITHERINGTON", and H.M.C. Ships "CHARLOTTETOWN", "HALIFAX", "REGINA". Ocean Escort of H.M. Ships "HAVELOCK", "WARWICK", "GODETIA", "PIMPERNEL", "LAVENDER" 7.5.42.

- At St. John's -

- Arrivals -

(xlv) H.M.C.S. "SUDBURY" 30.4.42.

(xlvi) H.M.C.S. "NIAGARA" from O.N. 89 2.5.42.

(xlvii) H.M.C.S. "SUMMERSIDE" 30.4.42.

(xlviii) H.M.C.S. "COLLINGWOOD" 3.5.42.

(xlix) H.M.C.S. "MINAS" escorting "PETROLITE" 3.5.42.

(l) H.M.S. "ACONITE" 3.5.42.

(li) H.M.S. "DIANTHUS" 4.5.42.

(lii) H.M.C.S. "ALBERNI" with survivors from S.S. "BRITISH WORKMAN" 4.5.42.

(liii) H.M.C.S. "AMHERST" 4.5.42.

(liv) H.M.C.S. "FENNEL" 4.5.42.

(lv) H.M.C.S. "HEPATICA" 4.5.42.

(lvi) H.M.C.S. "SOREL" 4.5.42.

(lvii) F.F. "MIMOSA" 6.5.42.

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(lviii) H.M.C.S. "ARROWHEAD" 7.5.42.

(lix) H.M.C.S. "ST. CLAIR" 7.5.42.

(lx) H.M.S. "FORT YORK" 7.5.42.

(lxi) H.M.S. "LINCOLN" 7.5.42.

(lxii) H.M.S. "VANQUISHER" 7.5.42.

- Departures -

(lxiii) H.M.C.S. "FREDERICTON" with O.N. 89 2.5.42.

(lxiv) H.M.C.S. "GEORGIAN" 2.5.42.

(lxv) H.M.C.S. "MAHONE" 2.5.42.

(lxvi) H.M.C.S. "MINAS" to escort "PETROLITE" from Argentia 2.5.42.

(lxvii) H.M.C.S. "SUDBURY" 2.5.42.

(lxviii) H.M.C.S. "SUMMERSIDE" 2.5.42.

(lxix) H.M.C.S. "THE PAS" 2.5.42.

(lxx) H.M.S. "ROXBOROUGH" with O.N. 88 2.5.42.

(lxxi) H.M.S. "WANDERER" with O.N. 88 2.5.42.

(lxxii) H.M.S. "WITCH" with O.N. 89 2.5.42.

(lxxiii) H.M.C.S. "SASKATOON" 2.5.42.

(lxxiv) H.M.C.S. "NIAGARA" 4.5.42.

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H.M.C.S. "CARIBOU" departed Saint John, N.B. May 4th.

H.M.C.S. "FLEUR DE LIS" arrived Shelburne May 5th.

H.M.C.S. "HUSKY" departed Saint John, N.B. May 4th.

H.M.C.S. "LOOS" arrived Pictou May 7th.

H.M.C.S. "MATAPEDIA" arrived Pictou May 7th.

H.M.C.S. "PRINCE DAVID" arrived Esquimalt from Vancouver May 5th.

H.M.C.S. "RENARD" arrived Pictou May 5th.

H.M.C.S. "ST. CROIX" departed Saint John, N.B. May 1st.

H.M.C.S. "ST. ELOI" arrived Pictou May 7th.

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ROUTEING AND CONVOY SECTION

A Slow Convoy comprising 32 ships of which 22 were British, 6 Norwegian, 3 Greek, 1 Dutch sailed from Halifax on April 30th. No A/S Escort Signal has been received.

A convoy comprising 28 ships of which 18 were British, 5 Norwegian, 2 Panamanian, 1 Belgian, 1 Swedish, 1 Dutch sailed from Halifax on May 3rd under the A/S Escort of H.M. Ships "HARVESTER", "NARCISSUS", "MIGNONETTE", "RENONCULE", "LOBELIA".

There were no independent trans-ocean sailings this week.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-Boat Activities

Attacks and sinkings by U-Boats during the past week have risen considerably. Most of this increase is accounted for by a marked increase in U-Boat attacks on unescorted shipping in the Caribbean area. Of 31 sinkings and attacks recorded this week, 22 occurred in Caribbean waters.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:-

TIME	NAME	POSITION (lat.(N) Long.(W)		REMARKS
-/30	"FEDERAL" (U.S.)	20° 15'	76° 05'	Tanker
1852/1	"PARNAHYHA" (Braz)	10° 12'	57° 16'	Cargo.
0515Z/3	"BR.WORKMAN" (Br.)	44° 08'	51° 53'	Tanker- had been in O.N. 89.
0615Z/3	"OCEAN VENUS" (U.S.)	28° 23'	80° 21'	Cargo- 42 survivors, 5 lost.
0900Z/3	"LAERTES" (Dutch)	28° 21'	80° 23'	Passenger vessel of 66 saved.
2100Z/4	"EMPIRE STOREY" (Br.)	44° 35'	66° 19'	
1703Z/4	"ECLIPSE" (Br.)	26° 30'	80° 00'	Tanker- had been in O.N. 87, 48 survivors.
2250Z/30	"BIDEVIND" (Nor)	40° 13'	73° 46'	Cargo- all crew saved.
2100Z/4	"EASTERN SWORD" (U.S.	07° 00'	58° 00'	Cargo- all survivors landed.

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1200/3	"SAN RAFAEL" (Dom)	18° 00'	81° 00'	Passenger vessel 8 survivors.
1645Z/4	"FLORENCE M. DOUGLAS (Br.)	13° 30'	58° 00'	Schooner.
2042Z/6	"EMPIRE BUFFALO (BR)	19° 14'	82° 34'	Cargo (sinking).
- /6	"NORLINDO" (U.S.)	23° 30'	83° 33'	Cargo.
1645Q/2	"SANDER" (Nor)	11° 42'	61° 10'	Tanker- 35 of 37 saved.
0115Q/3	"SAMA" (Nic.)	25° 04'	79° 45'	Cargo- crew all rescued.
-/20/4	"CHENANGO"(Pan)	34° 30'	74° 25'	Tanker - 35 missing.
2354Z/29	"ATHEL EMPRESS"(Br.)	13° 21'	56° 15'	29 survivors.
-/4	"DELISLE" (U.S.)	27° 06'	80° 03'	Cargo - 34 survivors.

The following ships were attacked by U-Boats, out no further word as to the result has been received:-

2150Z/30	Unknown	17° 01'	66° 03'	
0113/30	"ASHKHABAD"(Russ)	19 miles South Cape Lookout.		Cargo.
0600Z/3	Unknown Approx.	23° 35'	80° 20'	
0947Z/1	"LA PAZ" (BR.)	28° 15'	80° 20'	Being towed to beach (cargo)
0900Z/3	"GEORGE W.McKNIGHT" (Br.)	11° 18'	61° 15'	Tanker - arrived in port safely.
1610Z/4	"GULF PRINCE"(U.S.)	25° 00'	80° 20'	Tanker
2016Z/4	"MOKIHANA" (U.S.)	16° 40'	65° 12'	Cargo.
2100Z/4	"JOSEPH M. CUDAHY" (U.S.)	65 mi. N.W. Turugas		Tanker.
2140Z/5	"AFOUNDRIA" (U.S.)	20° 00'	73° 30'	Cargo.
0347Z/6	"JAVA ARROW" (U.S.)	26° 57'	80° 01'	Tanker.
0900Z/6	"HALSEY" (U.S.)	27° 20'	80° 03'	Tanker.
1125Z/6	Unknown	27° 15'	80° 00'	
1900Z/6	"ALCOA PURITAN"(U.S.)	28° 35'	88° 22'	Cargo.

COUNTER ATTACKS

A U.S. Bomber dropped depth charges on a periscope in position 042° 30' N., 069° 35' W. at 2145Z/30. Results of attack were doubtful.

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At 0331/1 a U.S. Bomber bombed and damaged a submarine in 044° 55' N. C.T.U. 24.1.11 was instructed to send two ships to investigate. Results of investigation were negative.

Cominch reported that attacks were carried out on two submarine contacts in 033° 50' N., 077° 17' W. at 1600Z/2. Results are unknown.

U.S. Destroyer "BABBITT" attacked a sound contact in 053° 09' N., 028° 12' W. at 1400Z/4 with negative results.

PACIFIC COAST

H.M.C.S. "PRINCE HENRY" arrived at Esquimalt on 6th May from San Pedro. She is scheduled for annual refit.

H.M.C.S. "QUESNEL" carried out an attack at 023° May 4th on a contact classified as a submarine in 051° 30' N., 127° 51' W. Contact was lost after seven depth charges had been dropped. Investigation was continued but no further evidence was obt ined. Contact was later established as non sub.

GENERAL

Naval Officer in Charge Sydney reported on May 1st that all danger of ice at Sydney had passed. He considered that arrangements could now be commenced to put the port into full operation.

The disposition of Canadian Fairmile Flotillas will be as follows:-

Flotilla No.	Fairmile Pendant No.	Operational Authority	Probable Disposition
70	Q.050 - Q.055 incl.	C.O.A.C.	Halifax
71	Q.056 - Q.061 "	F.O.N.F.	St. John's
72	Q062-63-64-65-72-73	C.O.A.C.	Sydney
73	Q.074 - Q.079 incl.	F.O.N.F.	Botwood
74	Q.080 - Q.085 "	C.O.A.C.	Gaspe
75	Q.066 - Q.071 "	C.O.P.C.	Esquimalt and/or Prince Rupert.

Owing to the increase in sailings cycles of Atlantic Convoys, it has been possible to release three groups for other duties. Four Corvettes, ex-A1 and A2 Groups have been allocated to C.O.A.C. for Western Local Escort. Three are to be retained by F.O.N.F. for Local commitments and one is to be used for Tanker Convoys.

Group B5 (H.M. Destroyers "HAVELOCK" and "WARWICK" and H.M. Corvettes "PIMPERNEL", "LAVENDER, and "GODETIA") sailed to Trinidad where it will come under the orders of COMTASK 10 for escort of Tankers between Trinidad and Aruba. It is hoped that this temporary measure will enable the Escort Groups to run a fortnightly shuttle service between Trinidad and Aruba and possibly provide escort for Tankers arriving from and sailing to the eastward of Trinidad.

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New Construction

H.M.C. Corvette "BRANTFORD" arrived Toronto May 6th from Midland for gun and depth charge trials.

F.M.L. "Q.051" completed gun and depth charge trials at Toronto May 4th.

H.M.C. Corvette "WOODSTOCK" commissioned in Montreal 1st May.

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IV. WORKS

MERCANTILE EQUIPMENT OFFICER & DEGAUSSING OFFICER

Seventy-five D.E.M.S. inspections were carried out this week in the following ports: Halifax (56), Saint John (10), Montreal (1), Quebec (2), Esquimalt (6).

Information in connection with arming etc. has been received regarding the following ships:

"FORT CHAMBLY"	4" gun mounted	Quebec
"FORT LOUISBURG"	4" gun mounted	Montreal

The degaussing equipment of 70 ships was inspected this week in Canadian Ports; 69 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 16 ships in United States Ports.

SENIOR TECHNICIAN; TECHNICAL DIVISION

The Passive Air Defence Officer left headquarters for the West Coast during the week in connection with the organizing and training of all phases of this work.

The Senior Technician, Technical Division, spent the week at Suffield, Alberta, chiefly with regard to the large scale storage of mustard.

SUPERINTENDENT OF BOOM DEFENCE

Throughout the week, work has been proceeding along the following lines:

(a) The painting and servicing of buoys and other equipment.

(b) The rigging of Gate Nets and handling of Net Gear for re-laying.

(c) The inspection of Nets and Booms at various bases.

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(d) The laying of a mooring at Halifax Harbour for Degaussing Coils.

At St. John's, Nfld., Boom Defence personnel and equipment were used to lift five harbour craft out of the water for examination and clearing of propellers.

At Esquimalt, B.C., a section of Anti-Torpedo net was found to be in good condition after ten months' service in the water.

DIRECTOR OF A/S

Approval has now been obtained to install H.D.A. equipment near Botwood, Nfld., and H.D.A. station at Vancouver, B.C. and an Indicator Loop Station at the approaches to Prince Rupert Harbour. The ordering of equipment, the selection of land and sea sites, and planning of buildings for equipment and personnel has commenced.

The resultant recommendations from a further study of A/S stores requirements for the coming twelve months, with regard to supplying probable bases in operation, the dockyards at Esquimalt, Halifax and St. John's, and the central warehouse at Montreal, are to be presented to Staff for approval very shortly.

INSPECTOR OF CONTRACT BUILT SHIPS

During the past week commissioning was recorded of 2 Corvettes, the "LA MALBAIE" and H.M.C.S. "WOODSTOCK", and 1 Minesweeper, H.M.C.S. "GRANBY".

One Fairmile, H.M.C.S. "Q-077", was launched, and various Trials were carried out successfully with 5 other Fairmiles, 2 Minesweepers, and 3 Corvettes.

RESEARCH LIAISON OFFICER

Experimental work is being carried out at various shore establishments in consideration of the possibility of equipping the Fairmile Class with an Explosive Vapor Detector.

The results of tests, conducted to determine the reason for the bubbling and cavitation produced during the manufacture of Plastic Armour slabs when the mix is poured into the molds on to a wooden back plate, indicate that some unknown factor is responsible, rather than the material forming the back plate.

Tests were also carried out with the following:

(a) Substandard Projectile Bag.

(b) Slugout Liquid Preventative for sludge in fuel oil tanks.

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(c) Acceptance test of the Taylor #2230, 5" aneroid barometer.

DEGAUSSING OFFICER

No report has been received from this Branch, as the Degaussing Officer has been visiting Quebec and Halifax in connection with the new D.G. Range to be set up at Quebec.

DIRECTOR OF RADIO SUPPLY

As the Director of Radio Supply has been in Washington, D.C., he has been unable to submit a report this week.

V. STORES

The equipment purchased by the Naval Stores amounted this week to $407,076.69.

CHIEFS OF STAFF COMMITTEE
9th May
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22,
Ottawa, 23rd May, 1942.

Summary of information respecting Departmental Activities

SUMMARY NO. 133

(For week ending 23rd May)

-vVv-

I. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at May 21st, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	438	3,503	3,941
R.C.N.R.	834	4,303	5,137
R.C.N.V.R.	2,680	22,731	25,411
TOTAL	3,952	30,537	34,489

Increase - 448

(b) Recruiting Activities from May 14th, 1942, to May 21st, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	51	54
R.C.N.R.	4	9	13
R.C.N.V.R.	37	383	420
TOTAL	44	443	487

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
(a) Med. Unfit	0	12	12
(b) Other Reasons	1	26	27
TOTAL	1	38	39

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R. (Div. Strength)		50	50
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	50	50

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
298	1,491	1,789

II. CASUALTIES

Eric Raymond JACKSON, Stoker II, V17704, dangerously ill from extensive burns.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	49	424	473
Other Deaths.....	6	52	58
TOTAL.....	55	476	531
Wounded or Injured.....	2	67	69
Prisoners of War.....	3	1	4

III. OPERATIONS

- At Halifax -

- Arrivals -

(i) H.M.C.S. "WETASKIWIN" ex Pictou. 15.5.42.

(ii) H.M.C.S. "CHAMBLY" ex O.N. 90. 15.5.42.

(iii) H.M.C.S. "WEYBURN" ex O.N. 91. 16.5.42.

(iv) H.M.S. "VANQUISHER" ex O.N. 91. 16.5.42.

(v) H.M.C.S. "ST. CLAIR". 16.5.42.

(vi) H.M.S. "LINCOLN" from O.N. 90. 17.5.42.

(vii) H.M.S. "CALDWELL". 17.5.42.

(viii) H.M.C.S. "QUINTE" from BX 17. 17.5.42.

(ix) H.M.C.S. "FENNEL". 17.5.42.

(x) H.M.C.S. "FLEUR DE LIS". 18.5.42.

(xi) H.M.C.S. "LAURIER". 18.5.42.

(xii) H.M.C.S. "NAPANEE" from CL 38. 18.5.42.

(xiii) H.M.C.S. "NIPIGON" escorting BX 18. 20.5.42.

(xiv) H.M.C.S. "SNOWBERRY" 19.5.42.

(xv) H.M.C.S. "MAHONE". 20.5.42.

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(xvi) H.M.C.S. "HEPATICA" escorting BX 18. 20.5.42.

(xvii) H.M.C.S. "ARROWHEAD" 20.5.42.

(xviii) H.M.C.S. "BARRIE" escorting CL 39. 20.5.42.

(xix) H.M.S. "WEDGEPORT". 20.5.42.

- Departures -

(xx) H.M.C.S. "SACKVILLE" 15.5.42.

(xxi) H.M.S. "MONTGOMERY" to St. John's, 15.5.42.

(xxii) H.M.C.S. "ELK" for Sydney, 15.5.42.

(xxiii) H.M.C.S. "GALT" to St. John's, 15.5.42.

(xxiv) H.M.C.S. "NIPIGON" with XB 20. 15.5.42.

(xxv) H.M.S. "WITCH" for HX 190. 17.5.42.

(xxvi) H.M.C.S. "WETASKIWIN" 17.5.42.

(xxvii) H.M.C.S. "SOREL" for HX 190. 17.5.42.

(xxviii) H.M.C.S. "MELVILLE" for Shelburne. 17.5.42.

(xxix) H.M.C.S. "HAMILTON" for HX 190. 17.5.42.

(xxx) H.M.C.S. "CHEDABUCTO" 17.5.42.

(xxxi) H.M.C.S. "CAMROSE" 17.5.42.

(xxxii) H.M.C.S. "MAHONE", escorting HS 2. 18.5.42.

(xxxiii) H.M.C.S. "VEGREVILLE" to Sydney 20.5.42.

N.S. 9 - Sailed Halifax, May 18th through escorts - U.S. Destroyer "BUCK", U.S.S. "BRISTOL".

H.X. 190- Sailed Halifax, May 17th under local escort "WITCH", "HAMILTON", "SASKATOON", "SOREL", and ocean escort "CAMPBELL", "INGHAM", "ROSTHERN", "AGASSIZ", "MAYFLOWER" and "COLLINGWOOD".

- At St. John's -

- Arrivals -

(xxxiv) H.M.C.S. "ST. CROIX" ex HX 189. 15.5.42.

(xxxv) H.M.C.S. "BUCTOUCHE" 15.5.42.

(xxxvi) H.M.C.S. "BRANDON" 17.5.42.

(xxxvii) H.M.C.S. "ARVIDA" 17.5.42.

(xxxviii) H.M.C.S. "CHAMBLY" 17.5.42.

(xxxix) P. 514. 17.5.42.

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(xl) H.M.S. "MONTGOMERY" SC 84. 18.5.42.

(xli) H.M.C.S. "SKEENA" from O.N. 93. 18.5.42.

(xlii) H.M.C.S. "SHEDIAC" 18.5.42.

(xliii) H.M.C.S. "SAGUENAY" 18.5.42.

(xliv) H.M.C.S. "SACKVILLE" 18.5.42.

(xlv) H.M.C.S. "MALPEQUE" 18.5.42.

(xlvi) H.M.C.S. "GALT" 18.5.42.

(xlvii) H.M.C,S. "TADOUSSAC" 18.5.42.

(xlviii) H.M.C.S. "ALGOMA" 19.5.42.

(xlix) H.M.C.S. "BITTERSWEET" 19.5.42.

(l) H.M.C.S. "CAMROSE" 19.5.42.

(li) H.M.C.S. "GEORGIAN" 19.5.42.

(liii) H.M.C.S. "KAMSACK" 19.5.42.

(liv) H.M.C.S. "NANAIMO" 19.5.42.

(lv) H.M.C.S. "OAKVILLE" 19.5.42.

(lvi) H.M.S. "VETERAN" 19.5.42.

(lvii) H.M.C.S. "EYEBRIGHT" 20.5.42.

- Departures -

(lviii) H.M.C.S. "CALGARY" 17.5.42.

(lix) H.M.C.S. "COLUMBIA" for O.N. 92. 17.5.42.

(lx) H.M.C.S. "DRUMHELLER" escorting WSC 84. 18.5.42.

(lxi) H.M.C.S. "DRUMHELLER" to overtake O.N. 92. 17.5.42.

(lxii) H.M.C.S. "MIDLAND" for O.N. 92. 17.5.42.

(lxiii) H.M.C.S. "SNOWBERRY" escorting BX 17.5.42.

(lxiv) H.M.S. "WALKER" to join O.N. 92. 17.5.42.

(lxv) H.M.C.S. "MORDEN" for SC 84. 18.5.42.

(lxvi) H.M.C.S. "MAYFLOWER" for HX 190. 18.5.42.

(lxvii) H.M.C.S. "DUNVEGAN" 18.5.42.

(lxviii) H.M.C.S. "COLLINGWOOD" 18.5.42.

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(lxix) H.M.C.S. "CHAMBLY" 18.5.42.

(lxx) H.M.C.S. "BUCTOUCHE" 18.5.42.

(lxxi) H.M.C.S. "BRANDON" 18.5.42.

(lxxii) H.M.C.S. "AGASSIZ" for HX 190. 18.5.42.

(lxxiii) H.M.C.S. "ROSTHERN" to HX 190. 18.5.42.

(lxxiv) H.M.C.S. "ST. CROIX" 18.5.42. to overtake SC 84. 18.5.42.

(lxxv) H.M.S. "BROADWAY" to overtake SC 84. 18.5.42.

(lxxvi) H.M.S. "POLYANTHUS" for SC 84. 18.5.42.

(lxxvii) H.M.S. "WEDGEPORT" 19.5.42.

(lxxviii) H.M.C.S. "COBALT" escorting CL 40. 19.5.42.

(lxxix) H.M.C.S. "CAMROSE" to Harbour. 20.5.42.

(lxxx) H.M.C.S. "COWICHAN" to Grand Banks Patrol 20.5.42.

(lxxxi) H.M.C.S. "GALT" to Harbour Grace for A/S exercises 20.5.42.

(lxxxii) H.M.C.S. "GEORGIAN" with CL 41 H.M.C. 20.5.42.

(lxxxiii) H.M.C.S. "SACKVILLE" to Harbour Grace for A/S exercises 20.5.42.

(lxxxiv) P. 514 for A/S exercises in Grace Harbour 20.5.42.

(lxxxv) H.M.C.S. "NAPANEE" 15.5.42.

- Arrivals -

- At Sydney -

(lxxxvi) H.M.C.S. "CLAYOQUOT" 15.5.42.

(lxxxvii) H.M.C.S. "DRUMMONDVILLE" 15.5.42.

(lxxxviii) H.M.C.S. "ELK" 15.5.42.

(lxxxix) H.M.C.S. "LOOS" 16.5.42.

(xc) H.M.C.S. "ARROWHEAD" escorting SH 2 19.5.42.

(xci) "CHEDABUCTO" ex QS 1. 19.5.42.

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- Departures -

(xcii) H.M.C.S. "FENNEL" escorting SH 1. 15.5.42.

(xciii) H.M.C.S. "LOOS" for Pictou via Cape North. 16.5.42.

H.M.C.S. "SWIFT CURRENT" 16.5.42.

(xciv) H.M.C.S. "DRUMMONDVILLE" for Gaspe with SQ 1. 17.5.42.

(xcv) H.M.C.S. "CLAYOQUOTE" 16.5.42.

(xcvi) H.M.C.S. "ARROWHEAD" escorting SH 2. 19.5.42.

(xcvii) H.M.C.S. "RACOON" 19.5.42.

(xcviii) H.M.C.S. "CHEDABUCTO" 20.5.42.

- Quebec -

- Arrivals -

(xcix) H.M.C.S. "BRANTFORD" 19.5.42.

- Departures -

(c) H.M.C.S. "BURLINGTON" with Qssl 19.5.42.

(ci) H.M.C.S. "KENOGAMI" with Qssl 19.5.42.

- Gaspe -

- Arrivals -

(cii) H.M.C.S. "MEDICINE HAT" 15.5.42.

(ciii) H.M.C.S. "BURLINGTON" 16.5.42.

(civ) H.M.C.S. "CLAYOQUOT" 18.5.42.

(cv) H.M.C.S. "WOODSTOCK" 18.5.42.

(cvi) H.M.C.S. "CLAYOQUOT" 19.5.42.

(cvii) H.M.C.S. "DRUMMONDVILLE" 20.5.42.

- Departures -

(cviii) H.M.C.S. "MEDICINE HAT" 15.5.42.

(cvix) H.M.C.S. "CLAYOQUOT" 18.5.42.

(cx) H.M.C.S. "CLAYOQUOT" 19.5.42.

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(cxii) H.M.C.S. "MEDICINE HAT" 20.5.42.

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- Shelburne -

- Arrivals -

(cxiii) H.M.C.S. "LAURIER" 17.5.42.

- Departure -

(cxiv) H.M.C.S. "FLEUR DE LIS" 17.5.42.

(cxv) H.M.C.S. "FRENCH" arrived Pictou ex Shelburne 19.5.42.

(cxvi) H.M.C.S. "MADAWASKA" arrive Rimouski 15.5.42.

(cxvii) H.M.S. "VERITY" departed Argentia for Boston 18.5.42.

(cxviii) H.M.S. "WITHERINGTON" departed Argentia for Boston 18.5.42.

ROUTEING AND CONVOY SECTION

A slow convoy comprising 39 ships of which 13 were British, 12 Norwegian, 9 U.S., 3 Panamanian, 1 Icelandic and 1 Greek sailed from Halifax on May 14th under the A/S escort of H.M.C. Ships "DRUMHELLER", "MORDEN", "BRANDON", "BUCTOUCHE", "CHAMBLY", "ST. CROIX" and H.M. Ships "BROADWAY", "DUNVEGAN", "POLYANTHUS".

A convoy comprising 18 ships of which 14 were British, 2 Norwegian, 1 Belgian and 1 U.S. sailed from Halifax on May 17th under the A/S escort of H.M.C. Ships "AGASSIZ", "MAYFLOWER", "COLLINGWOOD" and U.S. Ships "CAMPBELL", "INGHAM" and "ROSTHERN".

There were three independent trans-ocean sailings this week.

DIRECTOR OF OPERATIONS DIVISION

U-Boat Activities

ATLANTIC COAST

During the past week enemy submarines have been less active on the Atlantic Coast but attacks have been made, and submarines sighted in the Gulf of Mexico and Caribbean Sea areas. In view of the U-boat activity in the Gulf of Mexico it is probable that shipping in and to and from that area will be temporarily suspended by the U.S. Naval authorities.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:

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TIME	NAME	POSITION Lat.(N) Long.(W)	REMARKS
1610/17	"SKOTTLAND"	43° 07'N 67° 18'W	Norwegian, Torpedoed and sunk.
1045Z/13	"TOLKEN"	51° 50'N 33° 35'W	Swedish - 32 survivors landed Halifax.
2235/12	"KGENJIT"	Hfx. to Capetown	Torpedoed - sunk. 4551 Tanker.
0600Z/12	"COCLE"	52° 37'N 29° 13'W	Torpedoed - sunk. In convoy ON 92.
1758Z/20	"NORDLAND"	31° 22'N 55° 46'W	Torpedoed & sunk. Tanker 8,145 tons. In convoy ON 93.
----/16	"SAN VICTORIO"	11° 40'N 62° 33'W	British Tanker. Torpedoed & sunk. Sailed Aruba 14/5 for Freetown.
0537Z/14	"ETTRICK BANK"		Torpedoed & sunk. Tanker. Sailed Colon 8/5 for Hfx.
2054/14	"DAVID MCKELVEY"	28° 30'N 89° 17'W	Torpedoed & sunk. U.S. Tanker. Sailed Corpus Christie 13/5 New York. 22 survivors.
2054/14	"GULF PENN"	28° 29'N 89° 17'W	Torpedoed and sunk. U.S. tanker. Sailed Port Arthur 12/5 Philedelphia 25 survivors.
0235/17	"FORT"	43° 07'N 67° 18'W	Torpedoed and sunk. Sailed Kingston to 9/5 Halifax 34 survivors- 10 lost.
1610/18	"BATNA"	52° 09'N 35° 56'W	Torpedoed and sunk. Sailed U.K. Convoy ON 92.
1533/18	"SAN ELIESEO"	15° 20'N 54° 18'W	British. Torpedoed and sunk. Sailed U.K. in Convoy O.S. 27.
1030/18	"ESSO HOUSTON"	12° 12'N 57° 25'W	U.S. Torpedoed and sunk. Bound for Montevideo from Aruba. 23 survivors 19 others unaccounted for.
1620	"FOAM"	32° 20'N 63° 08'W	Trawler. Torpedoed & sunk.

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TIME	NAME	POSITION Lat.(N) Long.(W)	REMARKS
1017P/15	"S.S. STANBANK"	34° 55'N 61° 47'W	Torpedoed and sunk. Sailed New York to Capetown 1/5.
0838/15	"CAMAYAGUA"	14 mi. West Grand Cayman.	Torpedoed and sunk. Cargo ship. 35 survivors - 6 crew killed.
2353/12	"EMPIRE DELL"	53° 00'N 29° 57'W	Torpedoed and sunk.
0210/12	"CHRISTALES"	52° 55'N 29° 50'W	Torpedoed and sunk.
2012/19	"CHALLENGER"	12° 36'N 62° 11'W	U.S. Torpedoed and sunk. 55 survivors.
	The following ships were attacked by U-boats, but no further word as to the result has been received:		
0200Z/18	"FORT BINGER"	43° 01'N 67° 03'W	Torpedoed and shelled. Torpedo failed to explode; suffered superficial upper deck damage; returned fire, estimate 3 hits. 1 killed, 3 seriously wounded - Arrived Yarmouth safely.
2232Z/15	UNKNOWN	26° 40'N 89° 10'W	S/M attack.
2050Z/18	UNKNOWN	40° 08'N 64° 12'W	A/C reports lifeboat steering North.
1318Z/20	UNKNOWN	39° 22'N 74° 10'W	S/M attack.

ATTACKS IN GULF OF ST. LAWRENCE

Since last week's report no further attacks on shipping in the Gulf of St. Lawrence have occurred, although D/F reports and reports of sightings indicate that there have been, and possibly still are, at least two submarines in the Gulf.

Convoys between Quebec and Sydney are now being escorted by minesweepers assisted by R.N. and R.C.N. new construction ships.

Coastal convoys between Cornerbrook and Sydney will be run as often as possible, escorted by armed yachts and fairmiles. This convoy cycle will have to depend on the availability of escorts, more escort vessels being allocated as they become available.

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Patrols in the vicinity of Bic Island, Father Point and Anticosti Island are being carried out as often as possible by available patrol vessels.

COUNTER ATTACKS

At 2190Z/15 H.M.S. "LINCOLN", while escorting O.N. 90 attacked a submarine contact in 042° 20'N. 067° 14'W. Results of attack are unknown. H.M.C.S. "SNOWBERRY" attacked a separate contact in this vicinity with indefinite results.

H.M.C.S. "KENOGAMI" carried out six attacks on a contact in the Gulf of St. Lawrence at 0815Z/16 in 049° 03'N, 064° 02'W. about 20 miles N.N.E. of Cape de Rosiers. Contact faded after the last attack. Thirty-three charges were fired and search abandoned at 1045Z.

"COMINCH" reported that a submarine was driven down by an aircraft in position 26° 35'N 79° 45'W. at 1345Q on the 18th.

PACIFIC COAST

There is nothing of particular interest to report from the West Coast during the past week. Patrols of Vancouver, Queen Charlotte Islands continue to be carried out regularly by all available craft.

GENERAL

The only available escorts for the newly organized tanker convoys between Trinidad and Halifax (designated H.T. and T.H.) are two groups of two corvettes each. In view of the lack of air or other coverage during most of the passage, N.S.H.Q. does not consider that more than six tankers should be included in each convoy. R.N. tankers will be included in these convoys if numbers permit.

H.M. Trawler "BEDFORDSHIRE" (on loan from R.N. to U.S.N.) was last heard from 2000Z/11, when she was patrolling off Cape Lookout, North Carolina. Search by surface craft and aircraft was fruitless, but on May 15th, the body of one of her officers was washed ashore. It is presumed that the ship was lost by enemy action. "BEDFORDSHIRE" is the fourth of 24 A/S trawlers, originally lent by the Admiralty, to be lost.

NEW CONSTRUCTION

During the past week H.M.C. Corvette "PORT ARTHUR" completed at her name town and proceeded to Toronto for gun and depth charge trials. H.M. Bangor M/S "QUALICUM" commissioned on May 18th and is gun fitting and working up at Toronto.

Fairmiles Q 062 and Q 072 completed trials at Toronto are en route Montreal. Q 051 arrived Montreal on May 18 and is fitting W/T and R.D.F.

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H.M.C. Corvette "BRANTFORD" and H.M.C. Minesweeper "NORANDA" have completed A/S trials, etc. at Quebec and will act as additional escorts, to QS Convoys en route Halifax for working-up.

H.M.C. Corvette "WOODSTOCK" is escorting two merchant ships from Quebec to Sydney, whence she will proceed to Halifax to work-up.

WORKS

DIRECTOR OF DEFENSIVELY EQUIPPED MERCHANT SHIPS

One hundred and fourteen D.E.M.S. inspections were carried out this week in the following ports: Halifax (92), Saint John (9), Montreal (8), Quebec (3), Esquimalt (2).

Information in connection with arming, etc. has been received regarding the following ships:

"FORT FRASER"	4" gun mounted	ESQUIMALT
"SOUTHOLM"	3" 23 Calibre gun mounted	ESQUIMALT
"FORT McLEOD"	In hand arming	ESQUIMALT

Degaussing inspections were carried out on 106 ships in Canadian Ports of which 104 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 13 ships in United States Ports.

SENIOR TECHNICIAN; TECHNICAL DIVISION

Following a visit to the Toronto Shipyards during the week in connection with the installation of "LL" gear in four Bangors still in those yards, an Officer of the Branch reports that the work there is well organized and perfectly satisfactory.

S.T.T.D. attended a series of Conferences whose chief aim was to co-ordinate the work of all Canadian Universities for the training and instruction of Technical Personnel of all categories that may be needed for Wartime requirements.

Besides a number of reports from the Metallurgical Laboratory, some useful information has been received from N.S.O., Halifax, which will make it possible to consider revised specifications for a number of types of rubber sheet, so as to reduce the crude rubber content.

SUPERINTENDENT OF BOOM DEFENCE

Work at the various bases throughout the week consisted principally of repairing and painting Gate Vessels and equipment, and inspecting and adjusting Nets.

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Dragging operations were continued at Prince Rupert, B.C., to remove an obstruction in the line of the A/S Gate. This proved to be a 14-ton Concrete Mooring Clump, which, performing no function in regard to the Gate Vessel Moorings, was removed.

Considerable time was also spent in shipping A/T Gear from Gaspe, P.Q., to Sydney Base.

DIRECTOR OF RADIO SUPPLY

Trials involving Radio Direction Finding Identification equipment (Identification of Friend or Foe) to determine the power of the equipment required for our purposes, which in turn controls the dimensions of the equipment and hence the space required in R.C.N. ships, were carried out in Toronto, between May 12th and 15th. The trials were attended by representatives from R.C.A.F., Canadian Army, U.S. Navy and R.D.F. manufacturers for the U.S. Navy, British Air Commission, National Research Council and Research Enterprises Limited. A separate report has been made - (file N.S. 1052-4-6).

DIRECTOR OF A/S

Work is progressing with the projects enumerated in last week's report, as follows:-

(a) A/S Fixed Defences:- Orders for the the equipment for the Loop Station at Prince Rupert and the Harbour Defence Asdics Station at Vancouver are now being placed through the Director of Naval Stores.

(b) Duplicate Installation H.M.C.S. "SANS PEUR":- Arrangements for fitting A/S gear are going forward. The gyro compass is to be secured through Naval Stores.

(c) The Supply of E/S to R.C.N. Ships:- Staff approval has been given to provide one hundred sets for new construction vessels.

INSPECTOR OF CONTRACT BUILT SHIPS

During the week one Minesweeper and six Fairmiles were launched, H.M.C.S. "BLAIRMORE", "Q-074", "Q-078", "Q-075", "Q-081", "Q-082" and "Q-084", respectively. In addition, one Corvette, H.M.C.S. "BRANTFORD", one Minesweeper H.M.C.S. "NORANDA", one Fairmile, H.M.C.S. "Q-079" were commissioned, and Trials were carried out with nine other Vessels.

DEGAUSSING OFFICER

Degaussing work was carried out on twelve vessels during the past week, and three others were depermed. As well, all coastal shipping in the lower St. Lawrence and on the East Coast is being degaussed. An experimental "A" coil is being fitted

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in H.M.C.S. "WASAGA" during her present re-fit at an estimated cost of $1500.00. This coil was designed by National Research Council scientists in Halifax, and will be fitted under their direction.

The Quebec Degaussing Range is proceeding satisfactorily.

RESEARCH LIAISON OFFICER

No report has been received from this Branch, as the R.L.O. was absent throughout the week.

STORES

The equipment purchased by the Naval Stores amounted this week to $548,014.01.

CHIEFS OF STAFF COMMITTEE
May 23rd
1 9 4 2.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22.
Ottawa, 6th June, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 135

(For week ending 6th June)

-vVv-

I. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 4th, 1942:

	Officers	Ratings	TOTAL
R.C.N.	452	3,502	3,954
R.C.N.R.	847	4,320	5,167
R.C.N.V.R.	2,785	23,554	26,339
TOTAL	4,084	31,376	35,460

Increase - 371

(b) Recruiting Activities from May 28th, 1942, to June 4th, 1942:

	Officers	Ratings	TOTAL
R.C.N.	0	0	0
R.C.N.R.	4	18	22
R.C.N.V.R.	23	360	383
TOTAL	27	378	405

(c) Deductions from Strength:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	1	2
(a) Med. Unfit	0	14	14
(b) Other reasons	0	18	18
TOTAL	1	33	34

(d) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	0	0

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:

Officers	Ratings	TOTAL
250	1,632	1,882

2. CASUALTIES

F.G.B. WHITEHEAD, Lieutenant, R.C.N.V.R. lost at sea, presumed drowned, 23rd May, 1942.

Lloyd J. STEWART, Stwd. Prob., V32989, drowned.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	51	427	478
Other Deaths.....	6	53	59
TOTAL.....	57	480	537
Wounded or Injured.....	2	67	69
Prisoners of War.....	3	1	4

3. OPERATIONS

- At Halifax -

- Arrivals -

1. H.M.C.S, "KAMSACK" from TH 3. 29.5.42.
2. H.M.C.S. "CHICOUTIMI" from Liverpool 30.5.42.
3. H.M.C.S. "MAHONE" escorting SH 7. 30.5.42.
4. H.M.C.S. "MINAS" 31.5.42.
5. H.M.C.S. "NANAIMO" escorting BX 21. 31.5.42.
6. H.M.C.S. "NORANDA" 31.5.42.
7. H.M.C.S. "OAKVILLE" escorting BX 21. 31.5.42.
8. H.M.S. "MONTGOMERY" escorting BX 21. 31.5.42.
9. H.M.S. "VETERAN" escorting BX 21. 31.5.42.
10. H.M.C.S. "GRANBY" 1.6.42.
11. H.M.C.S. "SNOWBERRY" from Sydney 2.6.42.
12. H.M.C.S. "UNGAVA" 2.6.42.
13. H.M.C.S. "VISON" from Lunenburg 2.6.42.

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14. H.M.C.S. "CHILLIWACK" from Liverpool 3.6.42.

- Departures -

15. H.M.C.S. "ST. FRANCIS" escorting HT 3, 29.5.42.

16. H.M.C.S. "SNOWBERRY" escorting HS 7, 29.5.42.

17. H.M.C.S. "UNGAVA" escorting HS 7, 29.5.42.

18. H.M.C.S. "ARROWHEAD" escorting HX 192. 31.5.42.

19. H.M.C.S. "FREDERICTON" escorting HX 192. 31.5.42.

20. H.M.C.S. "GRANBY" escorting HX 192. 31.5.42.

21. H.M.C.S. "WEYBURN" escorting HX 192. 31.5.42.

22. H.M.C.S. "VANQUISHER" escorting HX 192. 31.5.42.

23. HX 192, 31.5.42. under local escort of above five ships.

24. H.M.C.S. "RIMOUSKI" en route Pictou 1.6.42.

25. H.M.S. "BURNHAM" en route Pictou. 1.6.42.

26. H.M.S. "CALDWELL" with XB 23. 1.6.42.

27. H.M.C.S. "FENNEL" for Pictou. 2.6.42.

28. H.M.C.S. "NIPIGON" escorting HS 8. 2.6.42.

29. H.M.C.S. "QUINTE" 2.6.42.

30. H.M.C.S. "CALGARY" with HX 9. 3.6.42.

31. H.M.C.S. "COLUMBIA" with HS 9. 3.6.42.

32. H.M.C.S. "HEPATICA" escorting HT 2. 3.6.42.

33. H.M.C.S. "SNOWBERRY" escorting HT 2. 3.6.42.

34. H.M.S. "WALKER" for Sydney 3.6.42.

35. N.A. 10 under Ocean Escort of U.S. Ships "NEW YORK", "NIBLACK", "BENSON", "GLEAVES", "MAYO", "LIVERMORE", "KEARNY", 3.6.42.

36. A.T. 16 same Ocean Escort as N.A. 10. 3.6.42.

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- At St. John's -

- Arrivals -

37. H.M.C.S. "CHARLOTTETOWN" from Halifax, 29.5.42.

38. H.M.C.S. "OTTAWA" from local exercises. 29.5.42.

39. H.M.C.S. "CHAMBLY" from Harbour Grace. 30.5.42.

40. H.M.C.S. "GEORGIAN" from Botwood. 31.5.42.

41. H.M.C.S. "LUNENBURG" from S.C. 85. 31.5.42.

42. H.M.C.S. "MINAS" 31.5.42.

43. H.M.C.S. "ST. CLAIR" 31.5.42.

44. H.M.C.S. "ST. FRANCIS" 31.5.42.

45. H.M.C.S. "ST. FRANCIS" 31.5.42. (delete)

46. H.M.S. "LINCOLN" from S.C. 85. 31.5.42.

47. H.M.C.S. "COBALT" from S.C. 85. 31.5.42.

- Departures -

48. H.M.C.S. "CHAMBLY" to Harbour Grace. 29.5.42.

49. H.M.C.S. "MALPEQUE" 29.5.42.

50. S.C. 85 under local escort H.M.C. Ships "ST. CLAIR", "COBALT", "LUNENBURG", "MINAS", ocean escort of H.M.C. Ships "OTTAWA", "CHAMBLY", "BITTERSWEET", "ST. FRANCIS", "EYEBRIGHT", "ARVIDA", "LETHBRIDGE", "PRESCOTT", local escort of H.M.S. "LINCOLN" 29.5.42.

51. H.M.C.S. "GEORGIAN" to escort three merchant ships from Botwood to Stl John's, 30.5.42.

52. H.M.C.S. "ARVIDA" to S.C. 85. 31.5.42.

53. H.M.C.S. "BARRIE" to O.N. 96. 31.5.42.

54. H.M.C.S. "BITTERSWEET" to S.C, 85. 31.5.42.

55. H.M.C.S. "CHAMBLY" to S.C. 85. 31.5.42.

56. H.M.C.S. "EYEBRIGHT" to S,C. 85. 31.5.42.

57. H.M.C.S. "MINAS" 31.5.42.

58. H.M.C.S. "OTTAWA" to S.C. 85. 31.5.42.

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59. H.M.C.S. "SUMMERSIDE" to O.N. 96. 31.5.42.

60. H.M.S. "ROXBOROUGH" to O.N. 96. 31.5.42.

61. H.M.S. "WANDERER" to O.N. 96. 31.5.42.

62. H.M.C.S. "CHARLOTTETOWN" to O.N. 97. 1.6.42.

63. H.M.C.S. "COWICHAN" to O.N. 97. 1.6.42.

64. H.M.C.S. "HALIFAX" to O.N, 97. 1.6.42.

65. H.M.C.S. "LETHBRIDGE" to S.C. 85. 1.6.42.

66. H.M.C.S. "PRESCOTT" to S.C, 85. 1.6.42.

67. H.M.C.S. "ST. FRANCIS" to S.C. 85. 1.6.42.

68. H.M.C.S. "MINAS" 2.6,42.

69. H.M.C.S. "GEORGIAN" en route Sydney. 2.6.42.

- At Sydney -

- Arrivals -

70. H.M.C.S. "ST. CLAIR" 29.5.42.

71. H.M.C.S. "ELK" 31.5.42.

72. H.M.C.S. "LORD KELVIN" (cableship) 31.5.42.

73. H.M.C.S. "MALPEQUE" 31.5.42.

74. H.M.C.S. "SNOWBERRY" from HS 7. 31.5.42.

75. H.M.C.S. "UNGAVA" 31.5.42.

76. H.M.C.S. "VEGREVILLE" 31.5.42.

77. H.M.C.S. "MEDICINE HAT" from QS 4. 1.6.42.

78. H.M.C.S. "MEDICINE HAT" as escort for "LORD KELVIN" 3.6.42.

79. H.M.C.S. "FENNEL" 4.6.42.

- Departures -

80. H.M.C.S. "CLAYOQUOT" with SQ 5. 29.5.42.

81. H.M.C.S. "COBALT" with S.C. 85. 29.5.42.

82. H.M.C.S. "LUNENBURG" escorting S.C. 85. 29.5.42.

83. H.M.C.S. "NORANDA" escorting SH 8. 29.5.42.

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84. H.M.C.S. "ST. CLAIR" to overtake S.C. 85, 29.5.42.

85. H.M.S. "LINCOLN" escorting S.C. 85. 29.5.42,

86. H.M.C.S. "MALPEQUE" 1.6.42.

87. H.M.C.S. "SNOWBERRY" with SH 9. 1.6.42.

88. H.M.C.S. "UNGAVA" escorting SH 9. 1.6.42.

89. H.M.C.S. "VEGREVILLE" escorting SQ 6. 1.6.42.

90. H.M.C.S. "LORD KELVIN" 2.6.42.

.....

H.M.C.S. "CHEDABUCTO" arrived Gaspe May 30th, from QS 4.

H.M.C.S. "DRUMMONDVILLE" arrived Rimouski, May 29th, with SQ 4.

H.M.C.S. "ELK" arrived Cornerbrook, May 29th. Departed Cornerbrook, May 30th.

H.M.C.S. "MEDICINE HAT" departed Gaspe, May 30th.

H.M.C.S. "PRINCE DAVID" arrived Esquimalt, May 29th.

H.M.C.S. "RACOON" departed Ellis Bay escorting "FLEUER", May 29th. Arrived Gaspe, May 30th.

H.M.C.S. "REINDEER" escorting SC Convoy, June 1st, departed South Head, June 3rd.

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ROUTEING AND CONVOY SECTION

A convoy comprising 56 ships of which 23 were British, 9 Greek, 12 Norwegian, 1 Belgian, 4 Swedish, 2 Dutch, 1 Y/S, 2 Russian, 1 Icelandic, 1 Panamanian sailed from Sydney on May 29th under the A/S Escort of H.M.C. Ships "OTTAWA", "LETHBRIDGE", "PRESCOTT", "ST. FRANCIS", "EYEBRIGHT", "ARVIDA", "CHAMBLY", "BITTERSWEET".

A convoy comprising 28 ships of which 13 were British, 5 Norwegian, 2 Greek, 2 Swedish, 2 Dutch, 3 Panamanian, 1 U.S. sailed from Halifax on May 31st.

There were no independent trans-ocean sailings from the Atlantic or the Pacific Coast this week.

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84. H.M.C.S. "ST. CLAIR" to overtake S.C. 85, 29.5.42.

85. H.M.S. "LINCOLN" escorting S.C. 85. 29.5.42,

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C179717

DIRECTOR OF OPERATIONS DIVISION

U-BOAT ACTIVITIES

Attacks by enemy submarines in Canadian waters and along the Atlantic Seaboard have been noticeably fewer in recent weeks but U-boat activity has increased to a marked extent against unescorted vessels in the Caribbean and the Gulf of Mexico. Of the 26 merchant ships sunk during the week, 11 were lost in Caribbean waters, 5 in the Gulf of Mexico and 3 in the neighborhood of Bermuda. None of the vessels lost were being escorted in convoy.

The total tonnage of sinkings reported this week was particularly heavy in comparison with previous weeks. The percentage of tankers lost to cargo vessels rose from 26% in the preceding week to 37%.

MERCHANT VESSELS SUNK IN WESTERN ATLANTIC

Week ending	Cargo	Tankers	Total	Tonnage
May 14th	15	4	19	101,300
May 21st	16	1	17	76,100
May 28th	13	5	18	92,500
June 4th	19	7	26	147,000
Total for 4 weeks	63	17	80	416,900

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:

TIME	NAME OF SHIP	POSITION	TONS	REMARKS
May 15	"SILJESTAD" (Norwegian)	15° 20' N 52° 40' W	4,301	Cargo ship sailed New York 6/5 for Capetown. Due 5/6. Torpedoed - 17 survivors - 1 boat missing.
2230Z/18	"TISNAREN" (Swed.)	03° 38' N 32° 01' W	5,747	Cargo ship sailed Bombay 3/2 for Capetown. Due 17/3 sunk by torpedo gunfire - 42 survivors.
----/20	"ELIZABETH" (U.S.)	21° 41' N 84° 54' W	4,727	Cargo ship sailed Norfolk 14/5 San Juan 23/5 - Torpedoed - Sunk - 36 survivors.

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TIME	NAME OF SHIP	POSITION	TONS	REMARKS
1215Z/24	"CONCLAVES DIAS" (Braz.)	16° 09' N 70° 00' W	4,996	Cargo ship sailed Pernambuco 12/5 N.O. Torpedoed - sunk.
-----/24	"PERSEPHONE" (Pan.)	Sunk off Barnegat, N.J.	8,426	Tanker - sailed Aruba 15/5 New York due 27/5 - Torpedoed - sunk.
-----/24	"HECTOR" (Dutch)	20° 03' N 81° 50' W	1,828	Cargo - Sailed Norfolk 17/5 Curacao. Due 26/5. Torpedoed. Sunk - 29 survivors - 2 missing.
2107/26	"BRITISH COLONY" (B.R.)	14° 20' N 58° 19' W	6,917	Tanker - Sailed Port of Spain 12/5 Gibraltar. Due 27/5. Torpedoed - Sunk 13 May - 40 survivors.
-----/26	"POLYPHEMEMOS" (Dutch)	38° 11' N 63° 20' W	6,269	Passenger Sailed Colon 19/5 Halifax - Torpedoed - sunk.
-----/27	"JACK" (U.S.)	17° 36' N 74° 42' W		Ocean-going tug - No movement - torpedoed - sunk.
-----/27	"MENTOR"	24° 11' N 87° 02' W		Not known Torpedoed-sunk.
0900Z/27	"HAMLET" (Nor.)	28° 32' N 91° 30' W	6,578	Tanker - Sailed Beaumont 26/5 U.K. Torpedoed - Sunk. 30 survivors.
0115Z/28	"YORKMOOR"	29° 54' N 72° 25' W	4,457	Tramp - Sailed St. Thomas 22/5 New York. Due 2/6. Torpedoed - sunk. 44 survivors.
1925Q/28	"WESTERN HEAD" (Br)	20° 00' N 74° 00' W	2,599	Cargo - Sailed Kingston Jamaica 27/4 for Sydney, C.B. Torpedoed - sunk.

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TIME	NAME OF SHIP	POSITION	TONS	REMARKS
1957Z/28	"SYLVAN ARROW" (U.S.)	11° 22' N 62° 15' W	7,797	Tanker - sailed Curacao 18/5 Capetown - Due 18/6. Torpedoed - sunk. All crew landed Halifax.
2304Z/28	"NORMAN PRINCE" (Br.)	14° 40' N 62° 15' W	1,913	Cargo - Approaching Curacao - Torpedoed - sunk.
-----/28	"NEW JERSEY" (U.S.)	19° 00' N 81° 00' W	6,414	Tanker - sailed Norfolk 20/5 K.S. 502 for Aruba - sunk.
-----/28	"CHARLBURY" (U.S.)	06° 30' N 30° 00' W	4,836	Cargo - Movement Oct./41. Torpedoed and sunk.
2040/29	"BARRDALE" (Br.)	15° 15' N 52° 27' W	5,072	Cargo - sailed New York 8/5 Capetown. Due 9/6. Torpedoed - sunk - 52 survivors - 1 casualty.
2040/29	"MARGOT" (Br.)	39° 00' N 68° 00' W	4,545	Sailed New York 22/5 to Trinidad 31/5 - Torpedoed - sunk - 39 survivors - 1 missing.
-----/29	"HALO" (U.S.)	29° 00' N 90° 00' W	6,986	Tanker - Arrived Galveston 18/5. Torpedoed - sunk.
P.M./30	"SONIA" (Br.)	15 Mi. West Seal Is.(Cape of Good Hope)	1,188	Tramp - sailed New York 28/5 - Halifax. Torpedoed - 19 survivors - 2 killed.
0822/30	"ALCOA" (Carrier)	38° 37' N 67° 20' W		Not known Torpedoed 35 survivors.
JUNE 1036Z/1	"WESTMORLAND" (Br.)	35° 54' N 63° 35' W	9,001	Cargo - sailed Colon 22/5 Halifax. Torpedoed.
2156Z/1	"PUWS"	13° 40' N 61° 30' W		Not known. Torpedoed.

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TIME	NAME OF SHIP	POSITION	TONS	REMARKS
-----/1	"ALEGRETE" (Braz.)	13° 40' N 61° 30' W	5,970	Cargo - sailed Curacao
		26/5 New Orleans - Torpedoed.		
-----/1	"KNOXVILLE CITY" (U.S.)	21° 25' N 83° 50' W	5,686	Cargo - arrived Norfolk
		24/5 for shelter - torpedoed.		
0531Z/2	"NATTAWIN" (Br.)	40° 15' N 66° 00' W	6,919	Cargo - sailed New York
		30/5 Capetown. Torpedoed.		
1847Z/2	"BEREANGER" (Nor.)	39° 02' N 70° 00' W	6,826	Cargo - sailed Santos
		16/5 Boston. Torpedoed.		
	The following ships were attacked by U-boats but no further word as to the result has been received:			
1805Z/1	"J.D. ARCHBOLD" (U.S.)	28° 52' N 90° 25' W	12,590	Tanker - Arrived Mobile 18/5
	UNKNOWN	29° 20' N 85° 40' W		Submarine trying to broadside ship.

GULF OF ST. LAWRENCE

No attacks, sightings or D/F reports have been made during the past week.

Coast convoys have now been in operation for the past two weeks. They are designated as follows:

QS - SQ	Quebec - Sydney and reverse
CL - LC	St. John's, Nfld. - Sydney and reverse
SB - BS	Sydney - Cornerbrook and reverse
HJ - JH	Halifax - Sydney and reverse
JN - NJ	St. John's, Nfld. - East coast Nfld. & Labrador and reverse.

COUNTER ATTACKS

Commander in Chief U.S. Fleet reported that a patrol plane attacked a submarine in 019° 47' N, 073° 57' W at 0254Z/28. Plane dropped 4 depth charges. The submarine engaged with machine gun fire then submerged. No further report was received.

Naval Officer in Charge, Gaspe, instructed H.M.C.S. "MEDICINE HAT" to proceed to investigate Eastern Air Command report of a submarine sighted 3 miles N.W. of Miscon Island, steering west, entering Chaleur Bay at 0315Z/30. Investigation presumed unsuccessful.

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The Commanding Officer Atlantic Coast reported that an aircraft attacked a submarine in 043° 13' N. 066° 50' W at 2014Z/2 June. Nothing further has been heard.

H.M.C.S. "MALPEQUE" made an attack on a submerged contact in 046° 29' N, 054° 39' W., at 2049Z/2 without definite results.

PACIFIC COAST

H.M.C.S. "PRINCE ROBERT" arrived Esquimalt on May 28th from patrol. She was docked for examination and repairs to A/S dome and undocked May 30.

A force of bombers and fighters attacked the U.S. air base at Dutch Harbour in the Aleutian Islands early on the morning of June 3rd. A second attack was made a few hours later. Little damage has been reported.

On June 4th Midway Island was attacked.

GENERAL

Sydney has been reopened as a convoy port commencing with S.C. 85 which sailed on May 29th. The cycle of QS and HS convoys has been altered to two convoys per week in order to fit in with the weekly sailings of ocean convoys.

H.T.1 escorted by H.M.C.S. "SUDBURY" and "THE PAS" arrived Trinidad June 1, completing the first Canadian Tanker Convoy from Halifax to Trinidad.

In view of the allocation of the 6 R.N. Bangor Minesweepers for A/S and M/S duties on the West Coast, the Admiralty has been asked that these vessels be loaned to the R.C.N. and commissioned as H.M.C. ships for the duration of the war on a similar basis to that of the 10 Flower Class Corvettes.

H.M.C.S. "GRANBY" and "GRANDMERE" will complete working up and sail for Sydney from Pictou on 11th June for Sydney - Cornerbrook convoys.

NEW CONSTRUCTION

No commissionings have occurred during the week, but a large number of ships are approaching completion.

The movement of newly completed ships from the St. Lawrence and Great Lakes Basin to Halifax for working up has progressed smoothly. Already a number have sailed from Quebec as additional escorts to QS convoys, having successfully completed gun, depth charge and A/S trials, etc. at various stages of their progress toward the sea.

Two corvettes "VILLE DE QUEBEC" and "PORT ARTHUR", and five Fairmiles are now at Quebec awaiting the next convoy.

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CANADA

Five Fairmiles are at Toronto doing gun and depth charge trials and minor repairs before proceeding.

Q-081 grounded on May 30th near Tobermory, Ontario, en route Toronto from Midland and has put back for repairs. A Court of Enquiry will be held.

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4. WORKS

SENIOR TECHNICIAN; TECHNICAL DIVISION

A visit from Lieut, Commander D. D. Mathews, R.N.V.R., now attached to British Admiralty Delegation, Washington, to N.S.H.Q. during the week proved to be very helpful. Among other things, Lieut. Commander Mathews expressed the opinion that it would be advantageous for development work to be done here on the "Spring Hammer" in accordance with the drawings which have been already sent. It is proposed to accept this recommendation rather than wait for the revised drawings reported by Admiralty, which according to Lieut. Commander Mathews, are largely matters of mechanical construction.

The officer in charge of Bomb Disposal has left for Halifax well equipped as far as Class Room material is concerned, although it will take a few weeks to obtain all the equipment needed for actual work on bombs. Following the submission to Staff of a general comprehensive scheme for the setting up of Bomb Disposal Centres throughout Canada, arrangements are being made for the provisions of men and equipment, Staff having reduced the number of centres from that recommended.

At a meeting in connection with the conservation of rubber a number of useful ideas were introduced.

SUPERINTENDENT OF BOOM DEFENCE

Besides the work of repairing and servicing equipment and of general maintenance at all bases, experiments were carried out at Prince Rupert, B.C., which proved that by adding ninety feet of chain to the Gate Vessel Bridle, the Gate would work smoothly, no fouling having occurred during a 48-hour full working test.

Experiments were also carried out at Boom Defence Headquarters on an electrically operated signal device.

Attention is called to the excellent work of the officers and men of the Boom Defence Depot at North Sydney, N.S., who, under the supervision of the Assistant Superintendent of Boom Defence, succeeded in completing the laying of the A/S Boom in nine working days.

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A visit from Lieut, Commander D. D. Mathews, R.N.V.R., now attached to British Admiralty Delegation, Washington, to N.S.H.Q. during the week proved to be very helpful, Among other things, Lieut, Commander Mathews expressed the opinion that it would be advantageous for development work to be done here on the "Spring Hammer" in accordance with the drawings which have been already sent. It is proposed to accept this recommendation rather than wait for the revised drawings reported by Admiralty, which according to Lieut. Commander Mathews, are largely matters of mechanical construction.

The officer in charge of Bomb Disposal has left for Halifax well equipped as far as Class Room material is concerned, although it will take a few weeks to obtain all the equipment needed for actual work on bombs. Following the submission to Staff of a general comprehensive scheme for the setting up of Bomb Disposal Centres throughout Canada, arrangements are being made for the provisions of men and equipment, Staff having reduced the number of centres from that recommended.

At a meeting in connection with the conservation of rubber a number of useful ideas were introduced.

SUPERINTENDENT OF BOOM DEFENCE

Besides the work of repairing and servicing equipment and of general maintenance at all bases, experiments were carried out at Prince Rupert, B.C., which proved that by adding ninety feet of chain to the Gate Vessel Bridle, the Gate would work smoothly, no fouling having occurred during a 48-hour full working test.

Experiments were also carried out at Boom Defence Headquarters on an electrically operated signal device.

Attention is called to the excellent work of the officers and men of the Boom Defence Depot at North Sydney, N.S., who, under the supervision of the Assistant Superintendent of Boom Defence, succeeded in completing the laying of the A/S Boom in nine working days.

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INSPECTOR OF CONTRACT BUILT SHIPS

During the week Inspecting Officers of the Branch paid a visit to Marine Industries at Sorel and inspected H.M.C.S. "PRESERVER" on completion of Dock Trials.

Members of the Staff are also detailed to carry out a completion trial of H.M.C.S. "GRANDMERE" at Halifax, on June 4th.

Commissioning took place of 2 Minesweepers (RN) of the Bangor Class, namely H.M.C.S. "LOCKPORT" & "PARRSBORO" and of 6 Fairmiles.

DIRECTOR OF A/S

Various types of A/S equipment have been approved for fitting in 74 new construction ships building on R.C.N. account.

With regard to the duplicate installation H.M.C.S. "SANS PEUR", A/S gear required has been forwarded and the bulk of the Gyro equipment has also been shipped.

As noted in Staff minute 94-2, Naval Staff has approved the principle of establishing a central authority to deal with the specification, securing and installation of electrical attachments. An organization considered suitable has been drawn up in consultation with others concerned.

DEGAUSSING OFFICER

At a general meeting of Degaussing Officers, held in Ottawa on May 27th and 28th, the proposed new organization of degaussing, without change, was concurred in by all concerned, and questions of personnel, policy, and equipment were discussed.

The D.G. Range at Quebec is progressing favourably and material for the Range is being assembled in Quebec, being drawn from the various Ranges in Canada.

Compass Corrector Coils for Merchant Vessels being constructed in Canada are being fitted now on the binnacles before these are shipped to the various shipyards.

To ease the cable situations certain quantities of cable have been moved from Halifax to Montreal and Esquimalt, and some from Montreal to Esquimalt.

During the past two weeks, D.G. work has been carried out on 57 vessels, but as the Deperming Unit, H.M.C.S. "ROSS NORMAN" has been undergoing refit, no vessels have been depermed in Halifax during this period.

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DIRECTOR OF DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week in connection with D.E.M.S. numbered 83, and with D.G. 79, in Canadian Ports. Of the latter, 75 were reported as satisfactory and repairs have been carried out on the remaining 4 ships.

The British Ministry of War Transport, New York, reported that Degaussing had been installed on 8 ships in United States Ports.

RESEARCH LIAISON OFFICER

Experiments are under way to improve and reduce the porosity and size of life raft biscuit rations.

A Life Jacket utilizing low density cellular rubber is being tested with respect to shrinkage with age.

DIRECTOR OF RADIO SUPPLY

No report has been received from this Branch.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $752,021.87.

CHIEFS OF STAFF COMMITTEE
June 6th, 1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22.
Ottawa, 13th June, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 136

(For week ending 13th June)

-vVv-

1. PERSONNEL

(a) The mobilized strength of the Royal Canadian Navy and Reserve Forces as at June 11th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	455	3,501	3,956
R.C.N.R.	845	4,320	5,165
R.C.N.V.R.	2,796	23,950	26,747
TOTAL	4,096	31,771	35,867

Increase - 407

(b) Recruiting Activities from June 4th, 1942, to June 11th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	3	0	3
R.C.N.R.	1	5	6
R.C.N.V.R.	11	410	421
TOTAL	15	415	430

(c) Deductions from Strength:-

		Officers	Ratings	TOTAL
Casualties	(See Sec. 2)	0	0	0
	(a) Med. Unfit	0	3	3
	(b) Other Reasons	3	17	20
TOTAL		3	20	23

(d) Transfers between Services:-

-Nil-

(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
282	1,683	1,965

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2. CASUALTIES

-Nil-

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	51	427	478
Other Deaths.....	6	53	59
TOTAL.....	57	480	537
Wounded or Injured.....	2	67	69
Prisoners of War.....	3	1	4

3. OPERATIONS

- At Halifax -

- Arrivals -

1. H.M.C.S. "HAMILTON" escorting B.X. 22. 5.6.42.
2. H.M.C.S. "MINAS" from J.H.4. 5.6.42.
3. H.M.C.S. "NIPIGON" from S.H. 10. 5.6.42.
4. H.M.C.S. "QUINTE" with SH 10. 5.6.42.
5. H.M.C.S. "SASKATOON" escorting B.X. 22. 5.6.42.
6. H.M.C.S. "SOREL" escorting B.X. 22. 5.6.42.
7. H.M.S. "ROXBOROUGH" from Sydney 5.6.42.
8. H.M.S. "WITCH" escorting B.X. 22. 5.6.42.
9. H.M.C.S. "COWICHAN" from O.N. 97. 6.6.42.
10. H.M.C.S. "TRAIL" from O.N. 96. 6.6.42.
11. H.M.C.S. "NIAGARA" 7.6.42.
12. H.M.C.S. "REGINA" with J.H. 5. 10.6.42.
13. H.M.C.S. "PORT ARTHUR" from Sydney 10.6.42.
14. H.M.S. "ROXBOROUGH" escorting B.X. 23. 10.6.42.
15. H.M.C.S. "UNGAVA" escorting S.H. 11.
16. H.M.C.S. "NIAGARA" 12.6.42.
17. H.M.C.S. "BARRIE" escorting B.X. 23.

- Departures -

18. H.M.C.S. "MONCTON" for Pictou 5.6.42.
19. H.M.C.S. "SHAWINIGAN" with H.S. 10. 5.6.42.

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20. H.M.C.S. "UNGAVA" with H.S. 10. 5.6.42.

21. H.M.S. "ROXBOROUGH" to rejoin O.N. 96. 5.6.42.

22. H.M.C.S. "NANAIMO" 7.6.42.

23. H.M.C.S. "TRAIL" en route Pictou. 7.6.42.

24. H.M.S. "MONTGOMERY" with X.B. 24. 7.6.42.

25. H.X. 193 under local escort of H.M.C. Ships "RIMOUSKI", "KAMSACK", "OAKVILLE", "COWICHAN", and H.M.S. "BURNHAM". Ocean Escort of H.M. Ships "HURRICANE", "ROCKINGHAM", "MONKSHOOD", "SNOWFLAKE", "DAHLIA", "ANCHUSA" 7.6.42.

26. H.M.C.S. "BRANTFORD" for area C thence Pictou 8.6.42.

27. H.M.C.S. "MALBAIE" for Pictou. 8.6.42.

28. H.M.C.S. "NIAGARA" for Pictou. 8.6.42.

29. H.M.C.S. "NORANDA" for area C thence Pictou 8.6.42.

30. H.M.C.S. "HAMILTON" with H.S. 11. 9.6.42.

31. H.M.C.S. "MINAS" for Lunenburg. 9.6.42.

32. H.M.C.S. "QUINTE" with H.S. 11. 9.6.42.

33. H.M.C.S. "WOODSTOCK" for area C thence Pictou 8.6.42.

34. H.M.C.S. "SASKATOON" escorting H.S. 11. 9.6.42.

35. H.M.C.S. "UNGAVA" for Lunenburg. 9.6.42.

36. H.M.S. "SECURITY" (tug) 9.6.42.

37. H.M.S. "WITCH" to Sydney for S.C. 87. 10.6.42.

- At St. John's -

- Arrivals -

38. H.M.C.S. "BITTERSWEET" from S.C. 85. 5.6.42.

39. H.M.C.S. "CHAMBLY" from S.C. 85. 5.6.42.

40. H.M.C.S. "MALPEQUE" from N.J. 1. 7.6.42.

41. H.M.C.S. "CALGARY" from S.C. 86. 8.6.42.

42. H.M.C.S. "COLUMBIA" from S.C. 86. 8.6.42.

43. H.M.C.S. "FENNEL" from S.C. 86. 8.6.42.

44. H.M.S. "PRIMROSE" from O.N. 98. 8.6.42.

45. H.M.S. "WALKER" from S.C. 86. 8.6.42.

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46. H.M.C.S. "GEORGIAN" escorting L.C. 22. 8.6.42.

47. H.M.C.S. "CHAMBLY" 9.6.42.

48. H.M.C.S. "COWICHAN" from H.X.193. 10.6.42.

49. H.M.C.S. "KAMSACK" from H.X. 193. 10.6.42.

50. H.M.C.S. "OAKVILLE" from H.X. 193. 10.6.42.

51. H.M.C.S. "RIMOUSKI" from H.X. 193. 10.6.42.

52. H.M.S. "BURNHAM" from H.X. 193. 10.6.42.

- Departures -

53. H.M.C.S. "MALPEQUE" from N.J. 1. 5.6.42.

54. S.C. 85 under Local escort of H.M.C. Ships "OTTAWA", "COLUMBIA", "FENNEL", "CALGARY", "CHAMBLY" and H.M.S. "WALKER". Ocean Escort of H.M.S. "HESPERUS", "VANESSA", "CAMPANULA", "CLEMATIS", "MIGNONETTE", "SWEETBRIAR", 5.6.42.

55. H.M.C.S. "ARROWHEAD" to O.N. 98. 6.5.42.

56. H.M.C.S. "COBALT" to O.N. 99. 6.6.42.

57. H.M.C.S. "FREDERICTON" to O.N. 98. 6.6.42.

58. H.M.C.S. "LUNENBURG" to O.N. 99. 6.6.42.

59. H.M.C.S. "ST. CLAIR" to O.N. 99. 6.6.42.

60. H.M.C.S. "WEYBURN" 6.6.42.

61. H.M.S. "LINCOLN" to O.N. 99. 6.6.42.

62. H.M.S. "VANQUISHER" to O.N. 98. 6.6.42.

63. H.M.C.S. "CHAMBLY" to W.S.C. 86. 7.6.42.

64. H.M.C.S. "REGINA" to Halifax with J.H. 5. 7.6.42.

65. H.M.C.S. "CHAMBLY" 9.6.42.

66. H.M.C.S. "ORILLIA" 9.6.42.

67. H.M.S. "FRISKY" (tug) 9.6.42.

68. H.M.S. "PRIMROSE" 11.6.42.

69. H.M.C.S. "MALPEQUE" escorting W.H.X. 193.

70. H.M.S. "PRIMROSE" to reinforce O.N. 100.

- At Sydney -

- Arrivals -

71. H.M.C.S. "CALGARY" from H.S. 9. 5.6.42.

72. H.M.C.S. "COLUMBIA" from H.S. 9. 5.6.42.

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73. H.M.C.S. "SHAWINIGAN" from H.S. 10. 7.6.42.

74. H.M.C.S. "UNGAVA" from H.S, 10. 7.6.42.

75. H.M.C.S. "BURLINGTON" escorting S.Q. 8. 8.6.42.

76. H.M.C.S. "REINDEER" from B.S. 4. 8.6.42.

77. H.M.C.S. "PORT ARTHUR" 9.6.42. and departed for Halifax 10.6.42.

- Departures -

78. H.M.C.S. "COLUMBIA" escorting S.C. 86. 5.6.42.

79. H.M.C.S. "DRUMMONDVILLE" to overtake and relieve "REINDEER" 5.6.42.

80. H.M.C.S. "FENNEL" escorting S.C. 86. 5.6.42.

81. H.M.C.S. "GEORGIAN" escorting S.C. 86. 5.6.42.

82. H.M.C.S. "REINDEER" escorting S.Q. 7. 5.6.42.

83. H.M.S. "WALKER" escorting S.C. 86. 5.6.42.

84. H.M.C.S. "SHAWINIGAN" escorting S.Q. 8. 8.6.42.

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H.M.C.S. "CHAMBLY" arrived Harbour Grace June 8th.

H.M.C.S. "CLAYOQUOT" departed Gaspe, June 7th, arrived Quebec, June 9th, departed Quebec, June 9th.

H.M.C.S. "DRUMMONDVILLE" arrived Gaspe June 8th, from Bic Island.

H.M.C.S. "ELK" arrived Cornerbrook June 10th.

H.M.C.S. "MELVILLE" arrived Saint John, N.B. escorting Saint John, N.B. portion of O.N. 96. Departed Saint John, N.B. with B.X. 23, June 9th.

"N.B. MACLEAN" (icebreaker) sailed Quebec with Q.S.8 to Gaspe for escort to Hamilton Inlet, June 10th.

H.M.C.S. "PORT ARTHUR" departed Quebec June 6th for Bic Island where ship will join "CHEDABUCTO" and escort Q.S. 7 to Sydney.

H.M.C.S. "RACOON" arrived Gaspe June 9th, departed June 9th.

H.M.C.S. "REINDEER" arrived Cornerbrook June 6th from S.B. 4, departed South Head with B.S. 4, June 7th.

H.M.C.S. "TRAIL" arrived Gaspe June 11th.

H.M.C.S. "VEGREVILLE" departed Gaspe June 7th arrived Gaspe June 7th, departed Gaspe June 10th.

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H.M.C.S. "VILLE DE QUEBEC" departed Quebec for Bic Island June 6th.

H.M.S. "RENONCULE" departed Argentia June 9th arrived Argentia June 10th.

H.M.C.S. "HUSKY" departed Saint John, N.B., with B.X. 23 June 9th.

H.M.S. "QUALICUM" departed Montreal for Quebec via Shell Oil June 10th.

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ROUTEING AND CONVOY SECTION

A convoy comprising 35 ships of which 11 were British, 10 Norwegian, 5 Greek, 4 Dutch, 2 Swedish, 1 Polish, 2 Yugo Slav sailed from Sydney on June 5th.

A convoy comprising 32 ships of which 20 were British, 7 Norwegian, 4 Dutch, 1 U.S. sailed from Halifax on June 7th under the A/S Escort of H.M. Ships "HURRICANE", "ROCKINGHAM", "MONKSHOOD", "SNOWFLAKE", "DAHLIA", "ANCHUSA".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

.....

DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-Boat Activities

The total tonnage of ships sunk during the week ending 11th June was less than half that of the preceding week. Only two Tankers were lost out of a total of 22 ships. Twelve of these vessels were sunk in Caribbean waters and five along the Atlantic Seaboard. Three ships, including one Corvette, were with O.N. 100, all others were unescorted.

The total tonnage and number of ships reported sunk this week is shown for comparison with the preceding three weeks.

Merchant Vessels Sunk in Western Atlantic

Week ending	Cargo	Tankers	Total	Tonnage
May 21st	16	1	17	76,100
May 28th	13	5	18	92,500
June 4th	19	7	26	147,000
June 11th	20	2	22	70,692
Total 4 weeks	68	15	83	386,292

The following list gives particulars of the ships sunk on which information has been received during the past week:

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TIME	POSITION	NAME OF SHIP	TONS	REMARKS
----/28	16° 28' N 67° 37' W	ALCOAPILGRIM	6,750	Torpedoed sunk. Cargo U.S. sailed Trinidad 27/5 Mobile.
----/30	15° 15' S 17° 08' W	GEORGE CLYMER	N.K.	Torpedoed sunk. U.S. Navy.
----/31	18° 15' N 81° 25' W	BUSHRANGER	4,536	Torpedoed. Cargo. Panama. Sailed St. Thomas 26/5 N.Y.
----/1	36° 16' N 69° 08' W	WEST NOTUS	5,492	Shelled Sunk cargo. U.S. sailed Trinidad 24/5 N.Y.
1410Z/2	00° 23' N 62° 30' W	CITY OF ALMA	5,446	Passenger, torpedoed. Sunk.
2003Z/3	12° 04' N 63° 49' W	M.F. ELLIOTT	6,940	Torpedoed. Cargo U.S. sailed Norfolk 20/5 for Caripito.
----/3	34° 10' N 68° 22' W	ANNA	1,345	Sunk. Cause unknown. Cargo Sweden. Sailed Norfolk 30/5 Bermuda.
----/3	200 miles E. Boston	AEOLUS	41	Sunk by submarine. Fishing boat.
----/3	200 miles E. Boston	BEN JOSEPHINE	N.K.	Sunk by submarine.
0300Q/3	40 miles S. Barbados	LILLIAN	N.K.	Sunk.
----/5	17° 30' N 68° 34' W	PARAGUAY	931	Torpedoed. Cargo. Braz. No movement.
----/5	40 miles S. Saona Is.	C.O. STILLMAN	13,006	Torpedoed. Tanker. Panama. Sailed Aruba 4/6 N.Y.
0414Z/5	20° 22' N 67° 07' W	DELFINA	3,480	Torpedoed. sunk. Cargo U.S. Sailed San Juan 4/6 Charlesto
----/7	15° 00' S 18° 00' W	W.V.P.A. Unknown	N.K.	Torpedoed
2030Q/8	11° 00' N 66° 43' W	BRUXELLES	5,085	Sunk by Submarin
		Cargo Belgium. Sailed U.K. Trinidad 5/		
2030Q/8	11° 00' N 66° 43' W	F.K. LANE	6,589	Sunk by submarin
		Tanker U.S. Sailed Aruba via Port of Spain.		

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TIME	POSITION	NAME OF SHIP	TONS	REMARKS
----/8	18° 54' N 84° 56' W	ROSENBORG	1,997	Shelled. Cargo.
		British. Sailed Trinidad 29/5		Mobile.
1009Z/9	42° 53' N 67° 11' W	KRONPRINSEN	N.K.	Torpedoed. Norwegian.
		Sailed New York 7/6 Halifax.		
0230Z/9	52° 30' N 31° 15' W	MIMOSA	Sunk 950	Corvette. Sailed convoy
		U.K. in O.N. 100.		
0120Z/10	51° 34' N 37° 07' W	RAMSAY	4,855	Sunk by submarine.
		Cargo British. With O.N. 100.		
0120Z/10	51° 34' N 37° 07' W	EMPIRE CLOUGH	N.K.	Sunk by submarine
		with O.N. 100.		
----/17	25° 05' N 85° 35' W	SUWIED	3,249	Torpedoed sunk.
		Cargo U.S. last move arrived Kingston 31/5.		

The following ships were attacked by U-boats but no further word as to the result has been received.

2339Z/8	29° 50' N 64° 45' W	ANNISTON CITY	5,687	Attacked by
		submarine. Cargo U.S. sailed Capetown 16/5 N.Y.		
0400Z/9	11° 40' N 81° 26' W	DORSET	10,624	Attacked by
		submarine. Cargo. British last move arrived Balboa 6/6.		
1045Z/11	35° 01' N 75° 45' W	F.W. ABRAMS	9,310	Attacked by
		submarine. Tanker U.S. sailed Aruba 2/6 N.Y.		

ATTACKS ON CONVOYS

BX 23A

On June 9th at 1109Z H.M.S. "WANDERER" escorting BX 23A reported that the convoy had been attacked and two ships torpedoed. It was later reported that only one ship, the "KRONSPRINSEA" (Nor.), had been torpedoed. Tugs are now endeavouring to tow this ship to Shelburne and an escort vessel is screening.

A possible submarine contact in 043° 00' N., 067° 06' W., 8 miles from "KRONSPRINSEA" was obtained at 1758Z/9 but later lost. Search was continued by H.M.S. "WANDERER" and "SUMMERSIDE" with no definite results.

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O.N. 100.

At 0943Z/9 F.N.F.L. "MIMOSA", one of the escorts of O.N. 100, was sunk in 32° 30' N, 31° 15' W. The next day two ships "RAMSAY" and "EMPIRE CLOUGH" were torpedoed and sunk in 51° 34' N, 37° 07' W. D/F bearings indicate that this convoy is still being shadowed. "CHAMBLY", "ORILLIA" and "PRIMROSE" have been sent from St. John's to reinforce this escort. "MIMOSA" is the second ship of the Free French Naval Forces which has been sunk to date in the North Atlantic, "ALYSSE" having been sunk by torpedo February 9th, 1942.

Gulf of St. Lawrence

No attacks, sightings or D/F reports have been made during the past week.

A new cycle has been put into effect for QS and SQ convoys (Quebec - Sydney and return). The cycle is to be as follows:

Day 1 - P.M. - Lv. Gaspe
Day 2 - P.M. - Arr. Bic.
Day 3 - P.M. - Lv. Bic. (QS)
Day 7 - A.M. - Arr. Sydney
Day 8 - A.M. - Lv. Sydney (SQ)
Day 11- A.M. - Arr. Bic.
- - Lv. Bic.
Day 12- P.M. - Arr. Gaspe

Ships will be about six days in Gaspe between cycles. Two convoys will leave quebec each week, one P.M. Sunday and one P.M. Wednesday and two will leave Sydney, one on Monday A.M. and one on Friday A.M.

The two corvettes "VILLE DE QUEBEC" and "PORT ARTHUR" and the five Fairmiles Q-051, Q-058, Q-062, Q-072, and Q-073 mentioned in last week's report sailed from Quebec escorting QS7. Gunnery and depth charge trials will be carried out by "VILLE DE QUEBEC" on passage to Bic Island. They are expected to arrive in Sydney on June 10th.

Counter Attacks

At 0530Z/7 U.S. Destroyer "HAMILTON" observed a submarine coast dive in position 034° 04' N., 066° 16' W. A depth charge attack was delivered on a good sound contact. At last report "HAMILTON" had lost contact but was continuing search.

Cominch reported that at 1556Q/7 an army B 25 sighted a submarine in 039° 40' N, 070° 49' W. Four depth charges were dropped and relief plane despatched. Nothing further has been heard.

Pacific Coast

All available craft are being employed in patrol work on the West Coast.

At 0705Z/9 Commanding Officer Pacific Coast reported that S.S. "COAST TRADER" was lost by explosion in position 125° 40' W., 048° 15' N., at 1410 on Sunday, June 7th.

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CANADA

C179734

H.M.C.S. "SANS PEUR" and "EDMUNSTON" were despatched to position and all survivors were picked up. There is no evidence to show this was the result of U-boat attack and it is probable that the cause was an internal explosion.

Dutch Harbour on Unilaskan Island was attacked by Japanese pursuit planes and bombers on June 3rd and 4th, slight damage being caused. On the 5th and 6th, an attacking force composed of aircraft carriers, heavy cruisers and destroyers was located west of Umnak Island. A force of similar strength was also observed S.W. of Dutch Harbour. Attacks were carried out by U.S. Bombers and Fighters and a carrier and a cruiser were believed damaged. Heavy weather has obscured further enemy movements. Strong U.S. Forces are proceeding northward.

On the same day that the Aleutian Islands were attacked, a strong force of Battleships, Aircraft Carriers, Seaplane Carriers, Cruisers, Destroyers and Transports were sighted west of Midway Island.

These were immediately attacked by U.S. Air and Sea Forces with the result that the enemy was forced to withdraw having suffered heavy losses.

The U.S. lost one Destroyer, sunk, a number of planes shot down and one aircraft carrier was seriously damaged.

Enemy casualties are estimated at:

4 Aircraft carriers sunk or damaged
5 Heavy Cruisers " " "
8 Transports " " "
1 - 3 Destroyers " " "
3 Battleships damaged

The enemy was last reported steaming towards home ports.

GENERAL

The S.S. "SONJA MARSK", a British Cargo vessel of 1,909 tons, ran aground at Ketch Harbour on June 5th and sank in 15 fathoms. The entire crew and C.B.'s were landed at Halifax.

The Gaspe A/S defence was completed on June 4th and the gate is now in operation.

Revision of Atlantic Escort Arrangements

A conference held in Washington on June 8th to review the escort situation for coastal and Caribbean Convoys was attended by representatives of Cominch, B.A.D., Cinclant. Com. East. Sea Frontier, and by D.N.I., and D.O.D. from N.S.H.Q. and C. of S. to F.O.N.F.

The conference recommended that mid-ocean escorts be reduced to six ships, thus releasing approximately ten Corvettes.

After discussion regarding the best uses for these corvettes, it was recommended that they be used for direct

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Tanker Convoys for ships of 10 knots and over between Curacao, Aruba, and Halifax. These convoys will run every 10 days and be known as A.H. and H.A. Convoys and will replace TH - HT convoys.

These proposals have been concurred in by N.S.H.Q., Cominch, and Admiralty and the new convoys are expected to be put into effect early in July.

Two corvettes and possibly a third have been allocated to escort shipping to Hamilton Inlet. This new commitment will continue throughout the summer and will include the escort of troop ships.

New Construction

No new ships have been commissioned during this week, but H.M.C. Minesweeper "LACHINE" (diesel) and H.M.C. Corvette "KITCHENER", both at Lauzon are approaching completion.

Six Fairmiles are in commission at Toronto and will be proceeding shortly. Two are at Montreal fitting W/T and R.D.F.

H.M. Minesweeper "QUALICUM", built for the R.N. at Toronto, is at Montreal. She damaged a propeller in the canal and was to be docked on arrival.

H.M. Rescue Tug "AIMWELL" (B.A.T. No. 7), built at Bay City, Michigan, is at Montreal en route New York.

No new construction ships are in commission at Quebec, five Fairmiles and two corvettes having sailed June 6th with Q.S. 7.

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4. WORKS

SUPERINTENDENT OF BOOM DEFENCE

At Gaspe, P.Q. the A/S Boom is completed and the Gate reported in operation, but adverse weather conditions have delayed the laying of the A/T Net at Sydney, N.S., which has in turn delayed work on the Slab; the Paint Shed, however, has now been completed.

Cement floors of New Boom Defence Buildings at Esquimalt, B.C. are completed and work begun on Board Walk.

Dredging at the Naval Base at Shelburne, N.S. is now completed and repairs have begun on the Flat Scow, which B.D.1 and "North Star" succeeded in turning over.

Inspector of Booms East Coast and Boom Design Officer are visiting the United States Net Depot at Newport, R.I., to examine a new type of A/S Gate.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

During the week 90 inspections were made in connection with D.E.M.S. at Halifax, St. John, Montreal and Quebec,

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and in connection with D.G., 86 inspections were carried out in Canadian Ports, with 9 ships being degaussed in United States Ports.

Five vessels are in hand arming at Esquimalt.

DEGAUSSING OFFICER

During the week D.G. work has been carried out with 15 ships, with equipment for the 10,000 Ton Cargo Vessels progressing satisfactorily. The 4,700 Ton Cargo Vessels will be degaussed in the same manner and use the same equipment as the 10,000 Tonners.

The degaussing scheme for Algerine Class Minesweepers has been decided upon definitely, and while complete drawings and specifications are being drawn up, the manufacturer is proceeding with the procurement of raw materials and manufacture of equipment.

The question of establishing a Mobile Deperming Unit in Vancouver has been approved by Naval Staff.

R.N. ships completing in the Great Lakes and River Area are being treated in a similar manner to R.C.N. vessels at Quebec.

The construction of the Quebec Range is progressing favourably and it is expected that laying operations will commence about June 15th.

DIRECTOR OF A/S

An officer from the A/S Directorate has now been assigned to duty with the Personnel department for the purpose of co-ordinating A/S requirements of personnel with provision made by the Personnel Department.

Gear required for fitting of Asdics in "Bassett" Class Minesweepers has been assembled and D.N.C. has prepared drawings for the hull work.

Plans are under study as submitted by Commanding Officer Pacific Coast for the Fixed Defences for the Strait of Juan de Fuca.

Approval has been given to secure seventy-five sets of conversion apparatus required in the fitting of Hedgehogs in R.C.N. ships.

SENIOR TECHNICIAN; TECHNICAL DIVISION

Following a visit to Halifax an Officer of the Branch reports that the installation of "LL" gear in H.M.C.S. "GANANOQUE" is making satisfactory progress.

During the week additional work has been done with the Rubber Technicians at the National Research Council and arrangements made for additional physical tests. It is hoped to be able soon to issue completely revised specifications for sheet rubber jointings which will allow a considerable saving in crude rubber.

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At a meeting of the Chemical Warfare from Inter-Service Board there was much discussion with regard to the establishment of the Chemical Warfare Training Centre at Suffield, Alberta, but the Board was informed that it would not be possible to formulate any definite requirements for R.C.N. Personnel at the Training Centre until after the return of Lieutenant Gray from the United Kingdom.

Arrangements have been completed for the manufacture of all special equipment for Bomb Disposal Units.

INSPECTOR OF CONTRACT BUILT SHIPS

Accompanied by members of his staff the I.C.B. completed an inspection trip to Quebec and Sorel.

During the week Trials were recorded of 2 Corvettes, 1 Minesweeper, and 2 Fairmiles. One Fairmile was also commissioned.

RESEARCH LIAISON OFFICER

A model calibrator for comparing explosive gas detectors with a standard instrument has been constructed and tested in the Laboratory. The tests indicate that such an instrument could be operated by personnel with elementary technical training.

Other tests include:

(a) Cellulose sponge, as substitute for sea-sponge in feedwater filters.

(b) Kapok substitutes for life-jacket packing.

(c) Determination of the optical properties of the Kodak Aircraft Spotting Filter.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $769,605.46.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22.
Ottawa, 20th June, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 137

(For week ending 20th June)

-vVv-

I. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 18th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	466	3,491	3,957
R.C.N.R.	848	4,326	5,174
R.C.N.V.R.	2,808	24,277	27,085
TOTAL	4,122	32,094	36,216

Increase - 349

(b) Recruiting Activities from June 11th, 1942, to June 18th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	11	0	11
R.C.N.R.	3	8	11
R.C.N.V.R.	15	366	381
TOTAL	29	374	403

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	2	2	4
(a) Med. Unfit	1	11	12
(b) Other Reasons	0	38	38
TOTAL	3	51	54

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	0	0
To R.C.N.R. from R.C.N.V.R.	1	0	1
TOTAL	1	0	1

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
209	2,112	2,321

2. CASUALTIES

(a) Fraser J. KELLY, Lieut. Cmdr., R.C.N.V.R. died June 13, 1942, of heart failure.

(b) James A.D. ANTHONY, Skipper, R.C.N.R., died following herniotomy, June 17th, 1942.

(c) Royston Wm. NUDD, Act. Shpwrt. 4cl., V37377, killed accidentally.

(d) Ronald KENNEDY, Ord. Smn. V2704, died of gun shot wound June 7th, 1942.

(e) R. CLAYTON, Sub-Lieut., R.C.N.V.R., injured during machine gun practice.

(f) James D. MOORE, Sub-Lieut., R.C.N.V.R., wounded by gunshot during action.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	51	427	478
Other Deaths.....	8	55	63
TOTAL.....	59	482	541
Wounded or Injured.....	4	67	71
Prisoners of War.....	3	1	4

3. OPERATIONS

1. H.M.C.S. "NANAIMO" 12.6.42.
2. H.M.C.S. "NIAGARA" 12.6.42.
3. H.M.C.S. "QUINTE" 12.6.42.
4. H.M.C.S. "VILLE DE QUEBEC" 12.6.42.
5. H.M.S. "MONTGOMERY" with B.X. 24. 12.6.42.
6. H.M.S. "VETERAN" with B.X. 24. 12.6.42.
7. H.M.S. "WANDERER" 12.6.42.
8. H.M.S. "PENNYWORT" 13.6.42.
9. H.M.S. "FRISKY" 13.6.42.

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10. H.M.C.S. "COBALT" from Boston 14.6.42.
11. H.M.C.S. "LUNENBURG" from Boston 14.6.42.
12. H.M.C.S. "ST. CLAIR" from Boston 14.6.42.
13. H.M.S. "LINCOLN" from Boston 14.6.42.
14. H.M.C.S. "ARROWHEAD" 15.6.42.
15. H.M.C.S. "DAUPHIN" from Pubnico 15.6.42.
16. H.M.C.S. "FREDERICTON" 15.6.42.
17. H.M.C.S. "GRANDMERE" from Sydney 15.6.42.
18. H.M.C.S. "MALPEQUE" escorting J.H.6. 15.6.42.
19. H.M.C.S. "QUINTE" with S.H. 14. 15.6.42.
20. H.M.C.S. "SUDBURY" with T.H.2. 15.6.42.
21. H.M.C.S. "THE PAS" with T.H.2. 15.6.42.
22. H.M.C.S. "UNGAVA" 15.6.42.
23. H.M.C.S. "WEYBURN" 15.6.42.
24. H.M.S. "BITER" 15.6.42.
25. Dutch Sub "O-15". 15.6.42.
26. H.M.S. "RANPURA" from Norfolk. 15.6.42.
27. H.M.S. "VANQUISHER" 15.6.42.
28. H.M.S. "DURBAN" 16.6.42.

- Departures -

29. H.M.C.S. "GRANDMERE" with H.S.12. 12.6.42.
30. H.M.C.S. "QUINTE" with H.S.12. 12.6.42.
31. H.M.C.S. "UNGAVA" with H.S.12. 12.6.42.
32. H.M.S. "WEDGEPORT" with H.S.12. 12.6.42.
33. H.M.C.S. "AMHERST" 13.6.42.
34. H.M.C.S. "CHICOUTIMI" 13.6.42.
35. H.M.C.S. "DAUPHIN" to Pubnico, N.S. 13.6.42.
36. H.M.C.S. "SOREL" en route Pictou. 13.6.42.
37. H.M.C.S. "VISON" en route Pictou. 13.6.42.
38. H.M.C.S. "CHARLOTTETOWN" escorting X.B.25. 14.6.42.
39. H.M.C.S. "HALIFAX" escorting X.B. 25. 14.6.42.

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40. H.M.C.S. "NANAIMO" escorting X.B.25. 14.6.42.

41. H.M.C.S. "SUMMERSIDE" escorting H.S.194. 14.6.42.

42. H.M.S. "MONTGOMERY" escorting X.B.25. 14.6.42.

43. H.M.S. "VETERAN" X.B.25. 14.6.42.

44. H.X.194 under Local Escort of H.M.C.S. "LA MALBAIE" and H.M. Ships "WANDERER", "ROXBOROUGH" and Ocean Escort of H.M. Ships "HARVESTER", "PIORUN", "RENONCULE", "ORCHIS", "LOBELIA" 14.6.42.

45. H.M.C.S. "CHILLIWACK" for St. John's, 16.6.42.

46. H.M.C.S. "GRANDMERE" with H.S.13. 16.6.42.

47. H.M.C.S. "LUNENBURG" with H.S.13. 16.6.42.

48. H.M.C.S. "MALPEQUE" escorting H.J.4. 16.6.42.

49. H.M.C.S. "NIPIGON" with H.S.13. 16.6.42.

50. H.M.C.S. "MAHONE" with H.S.13. 16.6.42.

51. H.M.S. "BITER" with N.A.11 from Halifax. 16.6.42.

52. H.M.S. "FRISKY" for St. John's. 16.6.42.

53. H.M.S. "RANPURA" with N.A.11. 16.6.42.

54. N.A.11 under Ocean Escort of U.S. Destroyers "ROE", "EBERLE", "ERICSSON" 16.6.42.

55. H.M.C.S. "ALACHASSE" 17.6.42.

56. H.M.C.S. "BARRIE" escorting HS 14. 17.6.42.

57. H.M.C.S. "COBALT" for Sydney 17.6.42.

58. H.M.C.S. "LADY RODNEY" 17.6.42.

59. H.M.C.S. "ST. CLAIR" with H.S.14. 17.6.42.

60. H.M.S. "DURBAN" 17.6.42.

61. H.M.S. "VERITY" 17.6.42.

62. H.M.S. "VISCOUNT" for Argentia 18.6.42.

- At St. John's -

- Arrivals -

63. H.M.C.S. "MALPEQUE" from escorting "SARNOLITE" 12.6.42.

64. H.M.C.S. "ASSINIBOINE" from O.N. 100. 13.6.42.

65. H.M.C.S. "COWICHAN" from N.J.2. 13.6.42.

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66. H.M.S. "DIANTHUS" from O.N.100. 14.6.42.

67. F.F. "VERVAIN" from O.N.101. 14.6.42.

68. H.M.C.S. "MONCTON" from S.C.87. 16.6.42.

69. H.M.C.S. "SASKATOON" from S.C. 87. 16.6.42.

70. H.M.S. "ACONITE" 16.6.42.

71. H.M.S. "WITCH" 16.6.42.

72. H.M.C.S. "BITTERSWEET" from O.N.100. 17.6.42.

73. H.M.C.S. "CHAMBLY" from O.N.100. 17.6.42.

74. H.M.C.S. "ORILLIA" from O.N.100. 17.6.42.

75. H.M.S. "PRIMROSE" from O.N.100. 17.6.42.

76. H.M.S. "WEDGEPORT" 17.6.42.

77. H.M.C.S. "LA MALBAIE" from H.X.194. 18.6.42.

78. H.M.C.S. "SUMMERSIDE" from H.X.194. 18.6.42.

79. H.M.S. "ROXBOROUGH" from H.X.194. 18.6.42.

80. H.M.S. "WANDERER" 18.6.42.

81. H.M.C.S. "HAMILTON" from S.C.87.

- Departures -

82. H.M.C.S. "BITTERSWEET" escorting O.N.100. 12.6.42.

83. H.M.C.S. "CALGARY" to O.N.101. 13.6.42.

84. H.M.C.S. "COLUMBIA" to O.N.101. 13.6.42.

85. H.M.C.S. "FENNEL" to O.N.101. 13.6.42.

86. H.M.C.S. "KAMSACK" to O.N.100. 13.6.42.

87. H.M.C.S. "MALPEQUE" with "FORT TOWNSEND" to Halifax 13.6.42.

88. H.M.C.S. "OAKVILLE" to O.N.100. 13.6.42.

89. H.M.C.S. "RIMOUSKI" to O.N.100. 13.6.42.

90. H.M.S. "BURNHAM" to O.N.100. 13.6.42.

91. H.M.S. "WALKER" to O.N.101. 13.6.42.

92. H.M.C.S. "GEORGIAN" with C.L.42. 16.6.42.

93. F.F."VERVAIN" 17.6.42.

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- At Sydney -

- Arrivals -

94. H.M.C.S. "ELK" from B.S.5. 12.6.42.

95. H.M.C.S. "MEDICINE HAT" for Port-aux-Basques. 12.6.42.

96. H.M.C.S. "CLAYOQUOT" for Q.S.8. 13.6.42.

97. H.M.C.S. "GRANDMERE" from H.S.12. 14.6.42.

98. H.M.C.S. "QUINTE" from H.S.12. 14.6.42.

99. H.M.C.S. "UNGAVA" from H.S.12. 14.6.42.

100. H.M.C.S. "WEDGEPORT" from H.S.12. 14.6.42.

101. H.M.C.S. "MEDICINE HAT" 16.6.42.

102. H.M.C.S. "GEORGIAN" from C.L.42. 17.6.42.

103. H.M.C.S. "VEGREVILLE" from Q.S.9. 17.6.42.

104. H.M.C.S. "VISON" 18.6.42.

105. H.M.C.S. "ELK" from B.S.6.

- Departures -

106. H.M.C.S. "CHEDABUCTO" 12.6.42.

107. H.M.C.S. "MEDICINE HAT" for Port-aux-Basques 12.6.42.

108. S.C.87 under Local Escort of H.M.Ships "HIGHLANDER", "WINCHELSEA", "ASPHODEL", "OXLIP", "BORAGE", "CLOVER" and Ocean Escort of H.M.S. "WITCH" and H.M.C. Ships "HAMILTON", "SASKATOON", "MONCTON", "COWICHAN" 12.6.42.

109. H.M.C.S. "ELK" escorting S.B.6. 13.6.42.

110. H.M.C.S. "GRANDMERE" to Halifax 14.6.42.

111. H.M.C.S. "MEDICINE HAT" escort Port-aux-Basques Convoy 14.6.42.

112. H.M.C.S. "QUINTE" 14.6.42.

113. H.M.C.S. "UNGAVA" escorting S.H.14. 14.6.42.

114. H.M.C.S. "WEDGEPORT" with L.C.24. 14.6.42.

115. H.M.C.S. "CLAYOQUOT" with S.Q.10. 15.6.42.

116. H.M.C.S. "ELK" with S.B.7. 17.6.42.

117. H.M.C.S. "GEORGIAN" for St. John's 17.6.42.

118. H.M.C.S. "MEDICINE HAT" 17.6.42.

119. H.M.S. "LINCOLN" for Halifax 18.6.42.

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H.M.C.S. "ALACHASSE" arrived Lunenburg 17.6.42.

H.M.C.S. "AMHERST" arrived Liverpool, N.S. 13.6.42.

H.M.C.S. "BURLINGTON" left Gaspe to rendez-vous Q.S.10. 18.6.42.

H.M.C.S. "CHARLOTTETOWN" arrived Saint John, N.B. 16.6.42. departed Saint John, N.B. 18.6.42.

H.M.C.S. "CHEDABUCTO" arrived Gaspe 16.6.42 departed Gaspe June 18 to rendezvous Q.S.10.

H.M.C.S. "DRUMMONDVILLE" arrived Gaspe, 14.6.42. departed Gaspe 15.6.42, departed Father Point, with Q.S.10. 17.6.42.

H.M.C.S. "ELK" arrived Cornerbrook from S.B.6. 14.6.42.

H.M.S. "GLENGLOVA" (tug) departed Quebec with Q.S. 16 for Sydney 16.6.42.

"N.B. McLEAN" (icebreaker) departed Gaspe 12.6.42.

H.M.C.S. "PRINCE ROBERT" arrived Esquimalt 12.6.42.

H.M.C.S. "RACCOON" sailed Gaspe June 17th.

H.M.C.S. "SHAWINIGAN" departed Gaspe 12.6.42.

H.M.C.S. "SWIFT CURRENT" arrived Charlotte-town 15.6.42.

H.M.C.S. "TRAIL" departed Gaspe 12.6.42.

H.M.C.S. "VEGREVILLE" departed Rimouski 14.6.42. escorting Q.S.9.

H.M.S. "AIMWELL" departed Montreal 14.6.42. for Quebec arrived Quebec 15.6.42., sailed Father Point 17.6.42. with Q.S.10.

P512 arrived Charlottetown 15.6.42.

H.M.S. "PARRSBORO" sailed Saint John, N.B. with B.X.25.

H.M.S. "QUALICUM" sailed Quebec 16.6.42. arrived Rimouski 16.6.42. Sailed Father Point, with Q.S.10. 17.6.42.

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ROUTEING AND CONVOY SECTION

A convoy comprising 35 ships of which 15 were British, 9 Norwegian, 4 U.S., 2 Greek, 2 Ice-landic, 1 Dutch, 1 Panamanian, 1 Polish sailed from

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Sydney June 12 under the A/S Escort of H.M.S. "HIGHLANDER", "WINCHELSEA", "ASPHODEL", "OXLIP", "BORAGE", "CLOVER".

A convoy comprising 31 ships of which 18 were British, 7 Norwegian, 3 U.S., 1 Dutch, 1 Swedish, 1 Panamanian sailed from Halifax on June 14 under escort of H.M.S. "HARVESTER", "PIORUN", "RENONCULE", "ORCHIS", "LOBELIA".

There were no independent trans-ocean sailings this week.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-BOAT ACTIVITIES

The number of U-boat attacks and vessels sunk in the Western Atlantic has risen sharply, the tonnage of shipping lost during the last week being considerably over that of the preceding week. Out of a total of 35 ships sunk, 13 were lost in the Caribbean, 5 in the Gulf of Mexico area and 4 along the Atlantic Seaboard. Five of these ships were tankers. Four of the vessels sunk were in convoy and the rest were unescorted.

The total tonnage and number of ships reported sunk for this period is shown below for comparison with the previous three weeks.

Week ending	Cargo	Tankers	Total	Tonnage
28th May	13	5	18	92,500
4th June	19	7	26	147,000
11th June	19	2	21	70,700
18th June	30	5	35	185,300
Total 4 weeks	81	19	100	495,500

The following list gives particulars of the ships sunk on which information has been received during the past week:-

TIME	POSITION	NAME OF SHIP	TONS	REMARKS
June 1	26° 00' N 53° 34' W	TRITON	2,078	Torpedoed. Sunk. Dutch passenger. Sailed Trinidad 28/5. N.Y.

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TIME	POSITION	NAME OF SHIP	TONS	REMARKS
0058Z/2	24° 00' N 60° 00' W	ILLINOIS	5,447	Torpedoed. Sunk. U.S. Cargo. Sailed Capetown, Baltimore 7/5.
-/3	21° 17' N 85° 07' W	NIDARNES	2,647	Torpedoed. Sunk. Nor. Cargo. Sailed New Orleans 30/5 for Colon.
-/3	16° 52' N 42° 02' W	HOEGHGIANT	10,990	Torpedoed. Nor. Tanker. Sailed Freetown 27/5 Trinidad.
June 4	21° 21' N 86° 36' W	VELMALYKES	2,572	Torpedoed. Sunk. U.S. Cargo. Sailed Galveston 1/6 Cristobal.
1515/6	23° 08' N 84° 42' W	HERMIS	5,234	Pan. Cargo. Due La Guaira 12/6 New Orleans. Torpedoed. Sunk.
June 6	20° 15' N 83° 18' W	CASTILLA	3,910	Torpedoed. Sunk. Hond. Passenger. Sailed Mobile 4/6 Kingston.
-/7	N.K.	TOLOSO	N.K.	Torpedoed. Sunk. Norwegian. N.K.
1210Z/8	12° 47' N 49° 44' W	SOUTH AFRICA	9,234	Torpedoed. Sunk. Nor. Tanker. Arrived Curacao 31/5.
-/9	N.K.	EDITH	3,382	Torpedoed. Sunk. U.S. Cargo. Sailed Tampa 30/5 San Juan.
-/10	N.K.	L.A. CHRISTENSEN	4,362	Torpedoed. Sunk. Nor. Cargo. To sail U.K. 14/6 N.Y.
0425Z/10	12° 25' N 80° 28' W	ARDENVOHR	4,800	Torpedoed. Sunk. Br. Cargo. Sailed Norfolk 29/5 Australia.
0435Z/10	12° 25' N 80° 25' W	SURREY	8,581	Torpedoed. Sunk. Br. Cargo. Sailed Norfolk 29/5 Australia.
1005Z/10	12° 17' N 80° 20' W	PORT MONTREAL	5,882	Torpedoed. Sunk. Br. Cargo. Sailed Norfolk 1/6 Australia. Convoy K.S. 506.
1056Z/11	10° 20' N 80° 10' W	FORT GOOD HOPE	N.K.	Torpedoed. Sunk. Br. Sailed Colon 10/6 Key West.
-/11	17° 00' N 82° 00' W	CRIJNSSEN	4,282	Torpedoed. Sunk. Dutch Passenger. Sailed Puerto Cabell 3/6 Curacao.
--/11	28° 30' N 91° 20' W	SHEHERAZADE	13,469	Panamanian. Sailed Norfolk 4/6 Houston. Torpedoed. Sunk.

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TIME	POSITION	NAME OF SHIP	TONS	REMARKS
1310Z/11	49° 50' N 41 20' W	PONTYPRIDD	4,458	Torpedoed. Sunk. Br. Cargo. Sailed U.K. O.N. 100 Sydney.
June 11	17° 58' N 84 28' W	AMERICAN	4,846	Torpedoed. Sunk. U.S. Cargo. Sailed Santos 22/5 New Orleans.
2353P/12	20 miles W Bermuda	PLEASANTVILLE	4,549	Sunk. Nor. Cargo. Sailed Norfolk 10/6 Capetown.
0419Z/12	49° 43' N 42 48' W	DARTFORD	4,093	Torpedoed. Sunk. Br. Cargo. Sailed U.K. O.N. 100 Sydney.
p.m./13	09° 41' N 81 10' W	SIXACOLA	4,693	Sunk. U.S. Passenger. Sailed Colon 12/6 Puerto Barrios.
June 13	29° 02' N 91 59' W	CITY SERVICE TOLEDO	8,192	Torpedoed. Sunk. U.S. Tanker. Sailed Corpus Christi 10/6 Portland, Maine.
June 13	17° 30' N 71 20' W	SICILIAN	1,654	Torpedoed. Sunk. U.S. Cargo. Arrived Key West 18/5.
1900Q/14	13° 46' N 60 06' W	DUTCH PRINCESS	N.K.	Shelled. Sunk. No information.
1301Z/15	130° 7 miles Camperdown	KAAPAREN	3,386	Sunk in collision. Swed. Cargo. Arrived Halifax 12/6 for Convoy.
1180/15	16° 50' N 75° 50' W	KINGSTON CEYLONITE		Sunk. No information.
-/15	11° 40' N 62 55' W	COLD HARBOUR	9,310	Torpedoed. Sunk. U.S. Tanker. Sailed Norfolk 29/5 Capetown.
1753Q/15	36° 51' N 75 50' W	ROBT C. TUTTLE	11,615	Torpedoed. Sunk. U.S. Tanker. Sailed Key West 11/6 Norfolk.
1615Z/15	12° 11' N 63 48' W	WEST HARDAWAY	5,702	Torpedoed. U.S. Cargo. Sailed Norfolk 29/5 Capetown.
1733Q/15	36° 51' N 75 50' W	Unidentified Trawler		Torpedoed. Sunk.
0200/16	42° 18' N 69 13' W	PORT NICHOLSON	8,402	Sunk. Br. Cargo. Sailed Halifax 14/6 New York X.B. 25 Convoy.
June 16	42° 18' N 69 13' W	CHEROKEE	5,896	Sunk. U.S. Passenger. Sailed Halifax 14/6 New York X.B. 25 Convoy.

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TIME	POSITION	NAME OF SHIP	TONS	REMARKS
0230Z/16	22° 00' N 80° 00' W	MANAQUA	2,220	Sunk. Nica. Cargo. Sailed Charleston 11/6 Havana.
0258/17	07° 18' N 41° 03' W	COLUMBIAN	4,954	Torpedoed. U.S. Cargo. Sailed Norfolk 26/5 Trinidad.

The following ships were attacked by U-boats but no further word as to their fate has been received.

1700Z/13	30° 25' N 63° 38' W	LILLIAN LUCH-ENBACH	6,369	Attacked. U.S. Cargo. Sailed Norfolk 10/6 Trinidad.
0044Z/18	34° 34' N 70° 58' W	DRAGA	1,671	Attacked. Nor. Cargo. Sailed Bermuda 16/6 New York.

ATTACKS ON CONVOYS

The attack on ON 100 on June 10th was followed by a further attack at 0419Z/12 in 049° 43' N., 042° 48' W., when the "DARTFORD" (Br.) was sunk.

While no attacks have been made on ocean convoys since that on ON 100 D/F bearings would indicate that ON 102, ON 103 and SC 87 have been sighted by U-boats and are being shadowed.

At 2241Z/15 Convoy XB 25 was attacked in position 042° N., 070° W. (off Cape Cod) and two ships "PORT NICHOLSON" (Br.) and "CHEROKEE" (US) were sunk. It was at first hoped that the "PORT NICHOLSON" could be salvaged but the vessel later sank at 1040Z/16.

COUNTER ATTACKS

"C.T.F. 24" reported that a plane depth charged a submarine in position 046° 15' N., 049° 50' W. at 1815Z/11. No visual evidence of damage was reported.

A U.S. Navy aircraft reported having bombed a submarine in position 046° 15' N., 050° 00' W. P.M. of June 11th. Nothing has been heard of the result of this attack.

"COMINCH" reported that at 1500Z/12 a navy plane attacked a submarine in position 028° 58' N., 092° 10' W. with unknown results.

GENERAL

H.M.C.S. "MELVILLE" sailed June 11th to take charge of the salvage operations "KRONSPRINSEN" (torpedoed in the attack on BX 23A last week's report). She acted as a screen for tugs "SECURITY" and "BANSURF" who towed the damaged ship to Pubnico Harbour where she is unloading into another ship.

Due to the loss of the Corvette "MIMOSA" and to the allocation of one additional corvette for escort of shipping to Hamilton Inlet and other air bases further north, only eight escort vessels will be released from mid-ocean escort groups for AH - HA Convoys.

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Confirmation has been requested that the submarines O15 and L27 would be available for A/S training in Halifax and Newfoundland respectively. N.S.H.Q. stressed the importance of adequate A/S training facilities at Halifax due to:

(a) Increase in the A/S forces operating under the Command of Commanding Officer Atlantic Coast.

(b) Large number of British and Canadian New Construction A/S vessels which will be working up at Halifax.

(c) Large expansion of A/S personnel of R.C.N. who are trained at Halifax.

H.M.C.S. "TRAIL" and "SHAWINIGAN" escorting three merchant ships sailed Gaspe on 12th June to Hamilton Inlet via Belle Isle Strait. They have now arrived at Hamilton Inlet thus completing the first run in this newly inaugurated convoy commitment.

H.M.C.S. "VEGREVILLE" grounded off Rimouski Wharf at 1347Z/12. She was towed off by H.M.C.S. "MADAWASKA" with no apparent material damage.

N.O.I.C. Gaspe reported that gunfire has been heard off Table Head Anticosti Island at 0630Z/12 and 1330Z/12. H.M.C.S. "DRUMMONDVILLE" was despatched to investigate but returned with nothing to report. Gaspe suggests that occasional explosions of fog signal at Heath Point might be a possible explanation.

H.M.C.S. "COWICHAN" was despatched from St. John's to search for two life boats sighted under sail by an aircraft at 1710Z/14 in position 048° 52' N., 043° 52' W. Neither of the two boats has yet been sighted.

"EMPIRE CLOUGH" one of the ships torpedoed in the attack on ON 100 is still afloat and at present in position 051° 30' N., 037° 00' W. Flag Officer Newfoundland Force reported that tug "FRISKY" will be available 19th June for towing this ship to the Eastward.

British Admiralty Repair Mission reported the loss of H.M.T. "KINGSTON CEYLONITE" due to enemy action in position 036° 50' N., 075° 50' W., at 1800Z/15. This is the fifth A/S Trawler lost out of the original twenty-four loaned by Admiralty to the U.S. Navy.

PACIFIC COAST

Enemy casualties in the Dutch Harbour engagement on June 6th are reported to be -

1 heavy cruiser - sunk
1 seaplane tender - sunk
1 submarine - sunk
1 heavy cruiser - damaged
1 submarine - damaged, probably sunk
9 planes, including 3 zero fighters, shot down.

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Strong occupation forces have been landed on Attu and Kiska Islands. A landing field and base are being constructed at Kiska.

There is a strong Japanese naval force in the Kiska area composed of heavy cruisers, light cruisers, aircraft carriers, seaplane tenders, destroyers, gunboats, transports and submarines.

Between June 11th and 14th U.S. Aircraft sighted and bombed enemy Naval Forces in Kiska Harbour scoring direct hits on 3 cruisers and a destroyer and setting fire to 2 other cruisers and one destroyer, damaging a transport and sinking one submarine. They experienced heavy and accurate land-based A/A fire.

At 0910Z/13 an enemy submarine was sunk by aircraft at 51° N., 171° W., when it was caught on the surface.

Several 4-engined flying boats have been sighted at Kiska. One was sunk by aircraft attack at 0521Z/14 and at 2330Z/14, U. S. Bombers shot down two catapult seaplanes.

NEW CONSTRUCTION

Two Fairmile Motor Launches were commissioned at Toronto during the week, Q.080 on the 13th and Q.085 on the 17th. The latter was built at Orillia and delivered at Toronto by the builders. All but three of the original 36 ordered are now completed. It is hoped to complete a further order of 18 placed early this spring before the end of the year.

H.M.C.S. "PRESERVER" will be the first of the two new Base Supply Ships to complete. She is now undergoing trials at the yards of her builders, Marine Industries Limited, Sorel.

Four new Fairmiles are in commission at Toronto and five are at Montreal en route Halifax.

4. WORKS

SUPERINTENDENT OF BOOM DEFENCE

Adverse weather conditions prevented much progress being made with the work of laying nets, booms, etc., at Halifax, Sydney and St. John's, Nfld., but lifting of Boom Nets at Sections "B", "D", "F" and "H" at Halifax for inspection revealed that in general the Nets were in good condition.

At Esquimalt testing of various types of paint on barrels has been completed and report submitted. Since adverse reports have been received concerning the 30-day, battery-operated Anchor Lights, experiments with gas lights are proceeding.

Considerable correspondence has been carried on with the Department of Munitions and Supply with a

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view to improving purchase and delivery of supplies. Installation of New Defences and repair of existing nets must of necessity be retarded until new materials are obtained.

A flood of six knots is reported to be running at Prince Rupert, which is due to Spring freshets from the Skeena River. The anchors of the A/S Boom have been reinforced and no dragging of the moorings has been reported.

SENIOR TECHNICIAN, TECHNICAL DIVISION

According to present advice, the "LL" gear for 105 ft. Minesweepers will be complete and ready for operation before the ships will be, in all other respects, ready for service.

The necessary financial encumbrance for the manufacture of the special bomb disposal equipment has now been raised and work is in hand.

A report is being submitted separately from Lieut. Moore of Suffield, Alta., who went to Halifax as a member of the party to investigate the possibilities of the protection of Dockyard, Harbour and Basin by means of a smoke screen. A complete report from the Chief Superintendent at Suffield will be submitted through the Director of Chemical Warfare in due course.

INSPECTOR OF CONTRACT BUILT SHIPS

During the week the Inspector of Contract Built Ships accompanied by another member of his Staff completed the inspection of Minesweeper H.M.C.S. "PORT HOPE" building at Toronto Shipbuilding Company.

Trials were carried out with Fairmiles "Q-075" and "Q-085" and the latter was commissioned.

DIRECTOR OF NAVAL ORDNANCE

The first group of Twin Vickers Mountings has been received from Canadian manufacturers, so that from the 62 guns received from the United Kingdom, 31 units will be available for mounting on Bangor Class Minesweepers.

Production of Oerlikon Mountings is being undertaken in Canada shortly probably by General Motors, but in the meantime they are being steadily supplied from United States production and are being mounted on Corvettes.

The supply of filled Depth Charges is becoming more satisfactory since the recent hold-up of empty cases due to shortage of tubular steel has been remedied.

Inspection of all Ammunition landed at Halifax, Esquimalt, and St. John's, Nfld., from Canadian and Imperial Ships is being carried out satisfactorily in increasing volume. In view of the serious rubber shortage, a reduction in the rubber content of all items

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for which orders are being placed is carried out as much as possible, and where possible substitutes for rubber are being used.

Seventy-four Q.F. 4" MK.XIX Guns have been ordered for Corvettes to be constructed, and Q.F. 12 pounders are now being supplied and mounted in Canadian Bangors. The modification from L.A. to H.A. of 20 Q.F. 12 pounders is being carr ed out in the Naval Armament Depot at Esquimalt.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections of D.E.M.S. numbered 136 this week, and of D.G. 133 in Canadian Ports with 9 ships being degaussed in U.S. Ports.

Arming and gun mounting of 9 ships was carried out at Esquimalt, Quebec and Halifax.

DIRECTOR OF A/S

The question of the Training Programme for A/S Ratings has been again discussed with Commander M as the current shortage amounts to approximately 265. However, the A/S schools are reported under way and output should resume shortly.

The Harbour Defence Asdics, control buildings, etc., will be required for the Fixed Defences approved to be set up to guard the Straits of Juan de Fuca.

DEGAUSSING OFFICER

No report has been received from this Branch.

RESEARCH LIAISON OFFICER

No report has been received from this Branch.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,367,784.98.

CHIEFS OF STAFF COMMITTEE
20th June
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22.
Ottawa, 27th June, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 138

(For week ending 27th June)

-vVv-

1. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve Forces as at June 25th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	475	3,492	3,967
R.C.N.R.	852	4,336	5,188
R.C.N.V.R.	2,880	24,980	27,860
TOTAL	4,207	32,808	37,015

Increase - 799

(b) Recruiting Activities from June 18th, 1942, to June 25th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	9	1	10
R.C.N.R.	4	14	18
R.C.N.V.R.	74	730	804
TOTAL	87	745	832

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
(a) Med. Unfit	0	9	9
(b) Other Reasons	2	22	24
TOTAL	2	31	33

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	0	1	1
TOTAL	0	2	2

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
338	1,853	2,191

2. CASUALTIES

- Nil -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	51	427	478
Other Deaths.....	8	55	63
TOTAL.....	59	482	541
Wounded or Injured.....	4	67	71
Prisoners of War.....	3	1	4

3. OPERATIONS

- At Halifax -

- Arrivals -

1. H.M.S. "VERITY" from St. John's 19.6.42.
2. H.M.C.S. "HALIFAX" with BX 25 19.6.42.
3. H.M.S. "MONTGOMERY" with BX 25 20.6.42.
4. H.M.S. "PARRSBORO" with BX 25 20.6.42.
5. H.M.S. "QUALICUM" 20.6.42.
6. H.M.S. "VETERAN" with BX 25 20.6.42.
7. H.M.C.S. "CHARLOTTETOWN" with BX 25 20.6.42.
8. H.M.C.S. "MAHONE" with S.H. 15 20.6.42.
9. H.M.C.S. "NANAIMO" with BX 25 20.6.42.
10. H.M.C.S. "NIPIGON" from S.H. 15 20.6.42.
11. H.M.S. "AIMWELL" 20.6.42.
12. H.M.S. "BURNHAM" from Boston 21.6.42.
13. H.M.S. "WALKER" with BX 25 B 21.6.42.
14. H.M.C.S. "CALGARY" with BX 25 B 21.6.42.
15. H.M.C.S. "FENNEL" with BX 25 B 21.6.42.
16. H.M.C.S. "KAMSACK" from Boston 21.6.42.

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17. H.M.C.S. "MEDICINE HAT" from Sydney 21.6.42.

18. H.M.C.S. "OAKVILLE" from Boston 21.6.42.

19. H.M.C.S. "RIMOUSKI" from Boston 21.6.42.

20. H.M.C.S. "COLUMBIA" from Boston 22.6.42.

21. H.M.C.S. "BUCTOUCHE" from O.N. 103 23.6.42.

22. H.M.C.S. "CHICOUTIMI" with S.H.16 23.6.42.

23. H.M.C.S. "COWICHAN" with J.H.7 23.6.42.

24. H.M.C.S. "DUNVEGAN" from O.N.103. 23.6.42.

25. H.M.C.S. "QUINTE" with S.H.16 23.6.42.

26. H.M.S. "VANOC" 24.6.42.

27. H.M.C.S. "WEYBURN" from H.X.195 24.6.42.

- Departures -

28. H.M.C.S. "QUINTE" with H.S.15 19.6.42.

29. H.M.C.S. "LAURIER" 20.6.42.

30. H.M.C.S. "SUDBURY" with H.T.3 20.6.42.

31. H.M.C.S. "THE PAS" with H.T.3 20.6.42.

32. H.M.S. "AIMWELL" in X.B. 26 21.6.42.

33. H.M.C.S. "DAUPHIN" escorting H.J. 6 21.6.42.

34. H.M.C.S. "MIDLAND" escorting X.B.26 21.6.42.

35. H.X.195 under Local Escort of H.M.S. "VANQUISHER", and H.M.C. Ships "ARROWHEAD", "FREDERICTON", "WEYBURN". Ocean Escort of "ASSINIBOINE", "PRIMROSE", "DIANTHUS", "ORILLIA", "NASTURTIUM", "CHILLIWACK", "ACONITE" 21.6.42.

36. H.M.C.S. "BUCTOUCHE" to join O.N.102 23.6.42.

37. H.M.C.S. "CHICOUTIMI" with H.S.16 23.6.42.

38. H.M.C.S. "COLUMBIA" with H.S.16 23.6.42.

39. H.M.C.S. "MEDICINE HAT" escorting H.S.16 23.6.42.

40. H.M.C.S. "NIPIGON" with H.S.16 23.6.42.

41. H.M.C.S. "UNGAVA" with H.S.16 23.6.42.

42. H.M.C.S. "REGINA" escorting X.B.26 21.6.42.

43.(a) H.M.S. "WALKER" for Sydney 24.6.42.

(b) H.M.C.S. "CALGARY" 24.6.42.

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- At St. John's -

- Arrivals -

44. H.M.S. "FRISKY" 19.6.42.
45. H.M.C.S. "COWICHAN" 19.6.42.
46. H.M.C.S. "LADY RODNEY" 19.6.42.
47. H.M.C.S. "MALPEQUE" from H.J.4 20.6.42.
48. H.M.C.S. "SHAWINIGAN" 20.6.42.
49. H.M.C.S. "TRAIL" from Hamilton Inlet 20.6.42.
50. H.M.S. "BROADWAY" from O.N.103 21.6.42.
51. H.M.S. "LINCOLN" from S.C.88 21.6.42.
52. H.M.C.S. "BARRIE" 21.6.42.
53. H.M.C.S. "BRANDON" from O.N.103 21.6.42.
54. H.M.C.S. "COBALT" from S.C.88 21.6.42.
55. H.M.C.S. "ORILLIA" from O.N.102 21.6.42.
56. H.M.C.S. "ST. CLAIR" from S.C.88 21.6.42.
57. H.M.C.S. "LUNENBURG" from S.C.88 21.6.42.
58. "ACONITE" (Free French) from St. Pierre 22.6.42.
59. H.M.S. "DIANTHUS" 22.6.42.
60. H.M.S. "PRIMROSE" 22.6.42.
61. H.M.S. "WEDGEPORT" 22.6.42.
62. H.M.C.S. "CHILLIWACK" from O.N.102 22.6.42.
63. H.M.C.S. "COLLINGWOOD" from O.N.102 22.6.42.
64. H.M.C.S. "DRUMHELLER" from O.N.103 22.6.42.
65. H.M.C.S. "MALPEQUE" 22.6.42.
66. H.M.C.S. "MAYFLOWER" from O.N.102 22.6.42.
67. H.M.C.S. "MORDEN" from O.N.103 22.6.42.
68. H.M.C.S. "ST. CROIX" from O.N.103 21.6.42.
69. H.M.C.S. "AGASSIZ" from O.N.102 23.6.42.
70. H.M.C.S. "DAUPHIN" from Halifax 23.6.42.
71. H.M.C.S. "RESTIGOUCHE" from O.N.102.23.6.42.
72. H.M.C.S. "ROSTHERN" from O.N.102 23.6.42.
73. H.M.C.S. "ARROWHEAD" from H.X.195 24.6.42.

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74. H.M.C.S. "FREDERICTON" from H.X.195 24.6.42.

75. H.M.C.S. "BITTERSWEET" from search for P 514 25.6.42.

76. H.M.C.S. "CHAMBLY" 24.6.42.

- Departures -

77. H.M.C.S. "BITTERSWEET" escorting O.N.102 19.6.42.

78. H.M.C.S. "ORILLIA" 19.6.42.

79. "ACONITE" (Free French) for St. Pierre 20.6.42.

80. H.M.S. "ROXBOROUGH" 20.6.42.

81. H.M.S. "TEAKWOOD" with J.H.7 20.6.42.

82. H.M.S. "WANDERER" with J.N.3 20.6.42.

83. H.M.S. "WITCH" to O.N.103 20.6.42.

84. H.M.C.S. "GEORGIAN" escorting C.L.43 20.6.42.

85. H.M.C.S. "HAMILTON" to O.N.103 20.6.42.

86. H.M.C.S. "HAMILTON" to O.N.103 20.6.42. (delete)

87. H.M.C.S. "LA MALBAIE" for O.N.102. 20.6.42.

88. H.M.C.S. "MONCTON" to O.N.103 20.6.42.

89. H.M.C.S. "SASKATOON" to O.N.103 20.6.42.

90. H.M.C.S. "SUMMERSIDE" for O.N.102 20.6.42.

91. H.M.C.S. "COWICHAN" escorting J.H.7 20.6.42.

92. H.M.S. "DIANTHUS" to assist "PRIMROSE" in search for P 514 21.6.42.

93. H.M.S. "WEDGEPORT" with JN 3 21.6.42.

94. H.M.C.S. "LADY RODNEY" 21.6.42.

95. H.M.C.S. "SHAWINIGAN" escorting J.N.4 21.6.42.

96. H.M.C.S. "TRAIL" escorting J.N.4 21.6.42.

97. H.M.C.S. "MORDEN" for Halifax 22.6.42.

98. H.M.S. "DIANTHUS" to H.X.195 23.6.42.

99. H.M.S. "FRISKY" to H.X.195 23.6.42.

100. H.M.S. "NASTURTIUM" to H.X.195 23.6.42.

101. H.M.C.S. "ASSINIBOINE" to H.X.195 23.6.42.

102. H.M.C.S. "CHILLIWACK" to H.X.195 23.6.42.

103. H.M.S. "PRIMROSE" 24.6.42.

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104. H.M.S. "WEDGEPORT" escorting N.S.3 24.6.42.

105. H.M.C.S. "ORILLIA" to H.X.195 24.6.42.

106. H.M.S. "BROADWAY" to O.N.104 26.6.42.

107. H.M.S. "VANQUISHER" to O.N.104 26.6.42.

108. H.M.C.S. "ARROWHEAD" to O.N.104 26.6.42.

109. H.M.C.S. "FREDERICTON" to O.N.104 26.6.42.

110. H.M.C.S. "WEYBURN" to O.N.104 26.6.42.

111. "ACONITE" (Free French) to H.X.195 detaching in 35° 25' W to search for "EMPIRE CLOUGH".

111.(a) H.M.C.S. "MALPEQUE" escorting W.S.C.88.

- At Sydney -

- Departures -

112. H.M.S. "LINCOLN" with S.C.88 19.6.42.

113. H.M.C.S. "BARRIE" escorting S.C.88 19.6.42.

114. H.M.C.S. "COBALT" escorting S.C.88 19.6.42.

115. H.M.C.S. "GRANBY" 19.6.42.

116. H.M.C.S. "LUNENBURG" with S.C.88 19.6.42.

117. H.M.C.S. "MEDICINE HAT" escorting U.S.S. "BRANT", "HIBISCUS" 19.6.42.

118. H.M.C.S. "ST. CLAIR" 19.6.42.

119. H.M.C.S. "VEGREVILLE" with S.Q.11 19.6.42.

120. S.C.88 under Local Escort of H.M.S. "LINCOLN" H.M.C. Ships "ST. CLAIR", "BARRIE", "COBALT", "LUNENBURG", "MALPEQUE". Ocean Escort H.M. Ships "BUXTON", "VISCOUNT", "ACANTHUS", "VERVAIN", "MONTBRETTA", "POTENTILLA", "ROSE" 19.6.42.

121. H.M.S. "AIMWELL" 20.6.42.

122. H.M.C.S. "MEDICINE HAT" 20.6.42.

123. H.M.C.S. "ELK" escorting S.B.8 21.6.42.

124. H.M.C.S. "GRANBY" 21.6.42.

125. H.M.C.S. "QUINTE" 21.6.42.

126. H.M.C.S. "DRUMMONDVILLE" escorting S.Q.12 22.6.42.

127. H.M.C.S. "GEORGIAN" for Halifax 24.6.42.

128. H.M.C.S. "GRANBY" 24.6.42.

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- Arrivals -

129. H.M.C.S. "VISON" from Pictou 19.6.42.

130. H.M.C.S. "DRUMMONDVILLE" from Q.S.10 20.6.42.

131. H.M.C.S. "ELK" from B.S.7 20.6.42.

132. H.M.C.S. "GRANBY" 20.6.42.

133. H.M.C.S. "QUINTE" 21.6.42.

134. H.M.C.S. "GEORGIAN" 22.6.42.

135. H.M.C.S. "GRANBY" 23.6.42.

136. H.M.C.S. "ELK" from B.S.8 24.6.42.

137. H.M.C.S. "BURLINGTON" 24.6.42.

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P514 departed Argentia June 20th.

H.M.S. "PRIMROSE" departed Argentia to St. John's June 20th.

H.M.S. "SAXIFRAGE" arrived Argentia June 23rd.

H.M.C.S. "BURLINGTON" sailed Gaspe, June 19th.

H.M.C.S. "CAROLUS" departed Hamilton Inlet June 26th to Gaspe.

H.M.C.S. "CHEDABUCTO" departed Gaspe June 22nd. Arrived Rimouski, June 23rd. Departed Quebec June 24th.

H.M.C.S. "CHICOUTIMI" arrived and departed Sydney approaches June 21.

H.M.C.S. "CLAYOQUOT" sailed Gaspe June 23rd.

H.M.C.S. "DRUMMONDVILLE" departed Gaspe for gun and speed trials June 23rd.

H.M.C.S. "ELK" arrived Cornerbrook June 22nd with S.B.8, departed South Head with B.S.8 June 22nd.

H.M.C.S. "GLENGLOVA" arrived Rimouski, June 19th. Sailed Rimouski to Gaspe, June 19th. Arrived Gaspe June 21. Sailed Gaspe for Sydney, June 23rd.

H.M.C.S. "MIDLAND" arrived Saint John, N.B. June 23rd.

H.M.C.S. "MOOSE JAW" departed Saint John, N.B. June 24th escorting "MOSEFRUIT".

H.M.C.S. "RACCOON" departed Gaspe June 20th. Departed Gaspe for speed trials and gunnery, June 23rd. Arrived Gaspe, June 24th.

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H.M.C.S. "SHAWINIGAN" arrived off Goose Bay, with JN 4, June 24th.

H.M.C.S. "VEGREVILLE" arrived Gaspe, June 22nd. Arrived Father Point with SQ 11, June 23rd.

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DIRECTOR OF OPERATIONS DIVISION

U-BOAT ACTIVITIES

Although the tonnage of shipping lost during the last week is much less than that of the preceding week, D/F bearings and sightings indicate that the number of U-boats operating in the Atlantic has not diminished. As in the past four weeks, the Caribbean has been the area of concentrated attacks. Out of a total of 17 ships sunk, 9 were lost in the Caribbean, 2 in the Gulf of Mexico and 3 along the Atlantic Seaboard. Two of these ships were Tankers. One of the vessels sunk was in convoy and the rest were unescorted.

The total tonnage and number of ships reported sunk for this period is shown below with the previous three weeks for comparison.

Week ending	Cargo	Tankers	Total	Tonnage
June 4th	19	7	26	147,000
June 11th	19	2	21	70,700
June 18th	30	5	35	185,300
June 25th	15	2	17	67,300
Total 4 weeks	83	16	99	470,300

The following list gives particulars of the ships sunk on which information has been received during the past week:-

Time	Position	Name of Ship	Tons	Remarks
/13	18° 00' N 86° W	REGENT	1,211	Torpedoed, sunk, U.S. Tanker, sailed Key West 31/5 Houston.
/13	10° 45' N 80° 24' W	SOLON TURMAN	6,762	Torpedoed, sunk U.S. sailed Norfolk 4/6 Colon.
/14	11° 50' N 62° 57' W	SCOTTSBURG	8,001	Torpedoed, sunk U.S. Cargo, sailed Norfolk 29/5 Capetown.
/14	12° 53' N 80° 40' W	LEBORE	8,289	U.S. Cargo, sailed Norfolk 4/6 Cristobal in convoy k.s. 507. Torpedoed, sunk.

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Time	Position	Name of Ship	Tons	Remarks
/15	10° 47' N 82° 12' W	BENNESTINET	2,438	Torpedoed, sunk, Norwegian cargo, sailed New Orleans 8/6 Colon.
/16	11° 54' N 63° 07' W	KAHUKA	6,062	Sunk, U.S. Cargo, sailed Norfolk 29/5 Trinidad.
/16	12° 67' N 62° 51' W	ARKANSAN	6,997	Sunk U.S. Cargo, sailed Santos 30/5 New Orleans.
/17	36° 53' N 75° 51' W	SANTOBE	7,117	Sunk, torpedoed or mined. U.S. Cargo sailed Baltimore 8/6 Balboa.
/17	23° 10' N 79° 35' W	MILLINOCKET	3,274	Torpedoed, sunk U.S. Cargo, sailed St. Thomas 13/6 Mobile.
/17	12° 00' N 72° 55' W	FLORA	1,417	Sunk, Dutch Cargo, sailed Colon 15/6 Curacao.
/17	25° 35' N 96° 20' W	MOIRA	1,560	Torpedoed, sunk Norwegian Tanker, sailed New Orleans 14/6 Vera Cruz.
/18	50° 24' N 42° 37' W	SEATTLE SPIRIT	5,627	Torpedoed, sunk U.S. Cargo sailed Iceland 10/6 Boston.
/19	18° 02' N 67° 40' W	CHERRIO		Shelled and sunk, U.S. arrived Mayaquez 30/5.
2106/19	37° 17' N 75° 44' W	BOSILJKA	3,009	Sunk, mined Y/S Cargo sailed New Orleans 3/6 Colon.
/21	08° N 79° W at Cristobal	LINA MATKOVIC	2,325	Y. Slav. Cargo sailed New Orleans 9/6 Colon. Sunk mined.
0740Z/23	24° 42' N 87° 46' W	HENRY GIBBONS		Torpedoed, sunk. U.S. arrived Aruba 11/3.
0340Q/24	34° 30' N 75° 40' W	LJUBICA MATKOVIC		Torpedoed, sunk. Y. Slav. sailed Cuidad Triyello 17/6 New York.

The following ships were attacked by U-boats but no further word as to their fate has been received.

/10	19° 45' N 85° 55' W	MERRIMAC	2,606	Torpedoed. U.S. Cargo, sailed New Orleans 3/6 Colon.
2015/17	50 miles E. of Rio Hacha	VIC	1,772	Torpedoed. Y. Slav. Cargo sailed Guayaquil 19/6 Arica.

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Time	Position	Name of Ship	Tons	Remarks
0300Z/18	70 miles N. N.W. Colon	OS MOTOREX	1,958	Attacked & abandoned on fire. U.S. Tanker, sailed Corpus Christi 9/6 Cristobal.
0145Z/21		CANTAL		Attacked by submarine. believed sunk. With O.N. 102.
0292/21	12° 28' N 57° 05' W	WEST IRA	5,681	Torpedoed. U.S. Cargo, sailed Trinidad 19/6 Capetown.
/22	39° 15' N 72° 32' W	RIO TERCERO	4,866	Torpedoed, Argentine Cargo, sailed New York 21/6 Buenos Aires.
/23	28° 53' N 89° 15' W	RAWLEIGH WARNER	3,664	Attacked by sub. U.S. tanker arrived Port Arthur 16/4.

Attacks on Convoys

At 0154Z/21 O.N. 102 was attacked by two submarines and one ship; the "CANTAL" was believed sunk. Both submarines were sighted on the surface and driven down. Exact details of the attack and sinkings are not yet available.

Although the above was the only attack on Convoys during the week, Admiralty reported that at 1305Z/23 T.H.3 had probably been reported by a U-boat. N.S.H.Q. requested that any available surface or air assistance at Bermuda be given this Convoy.

Troop Convoy C.T.18 was also probably reported by U-boat at 1623Z/24 and there was a concentration of about 10 U-boats between Halifax and Bermuda.

Counter Attacks

COMINCH reported that S.S. "THOMAS" sighted a periscope in 021° 41' N., 061° 32' W. at 1549Z/22. The periscope disappeared after being fired upon by the S.S. "THOMAS".

C.E.S.F. reported that a submarine contact was obtained by a Coast Guard Cutter in position 035° 07' N, 075° 03' W. at 0945Z/24. A depth charge attack was carried out but with no visible results.

Pacific Coast

Heavy weather and varying visibility have restricted aerial observation of enemy operations in the Aleutians.

Enemy surface forces at present in North Pacific waters appear to be composed of 1 or 2 Battleships, 9 cruisers, 4 to 6 Aircraft Carriers, seaplane tenders, destroyers and submarines.

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Enemy bombers attacked the village at Atka on June 14th.

On June 18th two transports, one cruiser, three destroyers, and seven seaplanes were sighted and bombed in Kiska Harbour. One transport was sunk. Tents, six tin covered, two wooden buildings, and gun emplacements were observed at Kiska. A large quantity of stores on shore was bombed with incendiaries.

At 1000Z/19 U.S. Army Transport "GENERAL GORGAS" was shelled by a submarine 200 miles southeast of Kodiak. She was hit twice but is proceeding under her own power to Seattle escorted by a destroyer.

At 0455Z/20 the S.S. "FORT CAMOSUN" was torpedoed in 47° N 125° W. 60 miles off the coast of Washington. She was towed to Esquimalt by Tug "DAUNTLESS" escorted by H.M.C.S. "EDMUNSTON", H.M.C.S. "QUESNEL" and H.M.C.S. "VANCOUVER".

At 2235/20 Point Estevan Lighthouse and W/T station on Vancouver Island were shelled by one or two submarines. There was no damage. A portion of a 5.5" shell was found. H.M.C.S. "SANS PEUR", "TIMMINS" and "LOCKEPORT" were immediately despatched to carry out a search. Investigation was negative. H.M.C.S. "MOOLOCK" took evacuees to Port Alberni and is returning to Esquimalt with fragment of enemy shell.

At 1135/21 Fort Stevens, Oregon, was shelled from 20,000 yards probably by U-boat. No damage was reported.

On June 23rd several surface vessels or submarines were indicated by D/F to be 500 miles southeast of Queen Charlotte Is.

General

H.M.C.S. "PRINCE DAVID" is on patrol off the west coast of Vancouver Island, "PRINCE ROBERT" is in Esquimalt for boiler cleaning and "PRINCE HENRY" is refitting in Vancouver. All other available craft are on patrol on the West Coast.

H.M.Rescue Tug "FRISKY" departed St. John's June 24th to join H.X. 195 then to detach to search for "EMPIRE CLOUGH" torpedoed, while in convoy O.N. 100. (See last week's report).

The new Tanker Convoy A.H. - H.A. starts 4th July when H.A. 1 leaves Halifax for Curacao, which will be the southern terminus of these convoys instead of Aruba.

At 0530Z/21 H.M.C.S. "GEORGIAN" escorting C.L. 43 in 046° 38' N., 053° 39' W. rammed and sank a submarine which failed to identify herself. This later turned to be the P. 514 on passage from Argentia to St. John's, escorted by H.M.C.S. "PRIMROSE". "DIANTHUS", "CHAMBLY", "BITTER-SWEET" &"PRIMROSE" conducted a search of the area without success. "GEORGIAN" sustained damage to her bows and is now en route to Halifax for repairs.

"N.B. MCLEAN", "FLEURUS", "CAROLUS", "ERICUS" and "LADY RODNEY" have arrived safely at Hamilton Inlet. Belle Isle Strait is now considered safe for navigation and Hamilton Inlet is clear of ice.

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Consideration is being given to the possibility of developing St. Pierre and Miquelon for operational purposes with particular reference to the use of repair facilities and W/T station.

Admiralty regretted that other commitments did not permit of O. 15 and L. 27 remaining in Canadian waters for A/S training. In view of this and of the loss of P.514, N.S.H.Q. requested that the allocation of submarines for A/S training at Halifax and Newfoundland be reviewed.

Fourteen Corvettes have now been allocated to the Halifax Force:-

A - 12 for H.A. - A.H. Convoys

B - 2 for Labrador Convoys

A third Corvette will be allotted for B as soon as available from New Construction.

New Construction

H.M. Minesweeper "SHIPPIGAN" commissioned 19th June at Toronto where she was built for the R.N.

H.M.C. Minesweeper "LACHINE" commissioned at Lauzon on 20th June.

Fairmiles Q.075 and Q.076 commissioned at Bracebridge on 22nd June and are en route Toronto for gun and depth charge trials. Q.081 which has been undergoing repairs at Midland after grounding is expected to complete about 6th July.

Two Fairmiles, Q.080 and Q.085 arrived at Toronto 21st June and are completing W/T and R.D.F. fittings. Four more, Q.077, Q.078, Q.079, Q.082 are at Quebec for A/S trials. The first three together with "LACHINE" (above) will sail 28th June as additional escort to Q.S.10.

N.S.H.Q. has been notified that U.S. Submarine Chaser "P.C. 633" will pass through the Welland Canal on 28th June. No further details have been received.

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ROUTEING AND CONVOY SECTION

A convoy comprising 35 ships of which 14 were British, 8 Greek, 7 Norwegian, 1 Swedish, 1 Panamanian, 2 Dutch, 1 Belgian, 1 Yugo Slav sailed from Sydney on June 19th under the A/S Escort of H.M.Ships "VISCOUNT", "ACANTHUS", "BUXTON", "VERVAIN", "MONTBRETIA", "POTENTILLA", "ROSE".

A convoy comprising 29 ships of which 19 were British, 4 Norwegian, 1 Dutch, 1 Panamanian, 1 Polish, 2 U.S., 1 Egyptian sailed from Halifax on June 21st under the A/S Escort of H.M.C. Ships "ASSINIBOINE", "ORILLIA", "CHILLIWACK" and H.M. Ships "PRIMROSE", "DIANTHUS", "NASTURTIUM", and "ACONITE" (Free French).

There were seven independent trans-ocean sailings from the Atlantic Coast this week.

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4. WORKS

SENIOR TECHNICIAN; TECHNICAL DIVISION

Acting upon Staff's decision, this Division had complete sets of buoyant cable tails transferred to Toronto, so that when the four ships remaining at Toronto are commissioned, they will be prepared to conduct "LL" sweeping if and when needed.

The complete report covering Air Raid Shelter protection for all coastal establishments has been approved in principle.

The Senior Technician; Technical Division is spending a week in Halifax in connection with Magnetic and Acoustic Minesweeping, Bomb Disposal and Chemical Warfare.

DEGAUSSING OFFICER

During the past two weeks D.G. work has been carried out on 51 vessels with 3 others being depermed. The cost of deperming neutral vessels engaged in Empire trade is being borne by the owner or agent of the vessel concerned.

The Wartime Merchant Shipping Limited is salvaging short ends of rubber covered cable used in degaussing New Construction Cargo Vessels. Lead sheathed paper insulated cable, on order now, is to be used instead. Rear Admiral Barry, New York, has been requested to forward to H.M.C. Dockyard, Esquimalt, a considerable amount of degaussing equipment for Canadian Merchant Vessels now in commission.

The two Ranges at Halifax, one at Sydney, and one at Vancouver are operating successfully, with the construction of the Quebec Range progressing satisfactorily. It is anticipated that a new Range will be established at Esquimalt in the near future.

SUPERINTENDENT OF BOOM DEFENCE

At Halifax the inspection of the Harbourward Line of Nets has been completed and the work of extending the wharf, commenced last week by the Foundation Maritime Limited, is proceeding satisfactorily.

The laying of the A/T Boom at Sydney has been completed so that work on the Boom Defence Buildings and Slab, delayed by these operations, can now be continued.

The Gate at Prince Rupert, B.C. was out of operation for twelve hours as a result of damage done by the large number of Tugs with Tows using the Gate. Arrangements have therefore been made with the Chief Examination Officer to have these tows controlled and grouped for passing through the Gate.

Work of maintenance, repair and construction is being carried out at the various other bases.

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DEFENSIVELY EQUIPPED MERCHANT SHIPS

During the week 160 D.E.M.S. and 155 D.G. inspections were carried out in Canadian ports.

Five vessels are in hand at Esquimalt for arming, etc., and Degaussing has been installed on 6 ships in United States Ports.

DIRECTOR OF A/S

It has developed that the Bassett class ships do not have adequate space for placing D.C. rails, etc. on the stern; recommendations in this respect have been made to Staff by Director of Naval Construction.

Arrangements are under way for the stocking of A/S stores in the two depot ships. A/S personnel, both officer, artificer, and ratings, has been chosen and is being given special training.

It has been agreed by D/C.N.P. that failing the supply of sufficient ratings from sea to keep Westdale course full, ratings will be drafted direct from Divisions for this course, and will go thence to the A/S schools.

Arrangements have been made for training of R.C.N. officers now in England in the various aspects of Hedgehog installation and operation.

INSPECTOR OF CONTRACT BUILT SHIPS

Full Power Trials were successfully carried out with the Corvette, H.M.C.S. "KITCHENER", and Acceptance Trials with the Minesweeper H.M.C.S. "LACHINE". Full Power Trials are also being carried out with the Base Supply Ship H.M.C.S. "PRESERVER".

Three Fairmiles, H.M.C.S. "Q-80", "Q-075", and "Q-076" were commissioned.

RESEARCH LIAISON OFFICER

Tests are to be carried out in the Ottawa River on an A/S Oscillator, which has been assembled with Rochelle Salt Crystal substituted for the conventional quartz.

Some success has been achieved in blowing of cellulose acetate and Alberta tar, with chemical agents to produce a closed cell buoyant material, and with a suggested improvement in blowing technique, the density of both materials will probably be decreased.

Steel cores from the defective boiler furnace of H.M.C.S. "ALBERNI" are undergoing examination to determine the cause of the excessive distortion experienced in certain sections of the furnace wall.

Tests are also being carried out with:

(a) Three sample log lines.
(b) Oil samples clarified by the Briggs Clarifier installed in H.M.C.S. "MELVILLE".
(c) Oil samples collected from the surface of the water after various attacks on enemy submarines.

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DIRECTOR OF NAVAL ORDNANCE

The supply of depth charges, which was causing some concern, has improved and no future shortages are anticipated. The production in Canada of the Various types of armament for Merchant ships has also increased. The quantity of armament stores handled by Naval Armament Depots has almost doubled over the last six months with consequent strain on personnel, storage, and handling capacities.

Articles hitherto not obtainable in Canada are now being produced and orders have been placed for tools, side arms, cleaning equipment and spare gear.

Pending the training of Air Force personnel, the Naval Armament depot on the West Coast has been assisting the R.C.A.F. in the overhaul and maintenance of their torpedoes. Despite the shortage of qualified personnel, the arming of H.M.C. Ships at inland and coastal ports is being satisfactorily carried out.

Protection fittings for asdic domes and sights for various guns have been designed and progress is reported in the design of a Portable Torpedo Hoist for installation at St. John's, Nfld.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,231,839.46.

CHIEFS OF STAFF COMMITTEE
27th June,
1 9 4 2.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 22.
Ottawa, 30th June, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 134

(For week ending 30th May)

-vVv-

I. PERSONNEL

(a) The mobilised strength of the Royal Canadian Navy and Reserve.Forces as at May 28th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	452	3,503	3,955
R.C.N.R.	843	4,311	5,154
R.C.N.V.R.	2,763	23,217	25,980
TOTAL	4,053	31,031	35,089

Increase - 600

(b) Recruiting Activities from May 21st, 1942, to May 28th, 1942:-

	Officers	Ratings	TOTAL
R.C.N.	15	0	15
R.C.N.R.	9	14	23
R.C.N.V.R.	85	518	603
TOTAL	109	532	641

(c) Deductions from Strength:-

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	3	4
(a) Med. Unfit	1	5	6
(b) Other Reasons	1	30	31
TOTAL	3	38	41

(d) Transfers between Services:-

	Officers	Ratings	TOTAL
R.C.N. from R.C.N.R.	0	2	2
R.C.N. from R.C.N.V.R.	0	0	00
R.C.N.R. from R.C.N.V.R.	0	0	0
TOTAL	0	2	2

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(e) Complement Borne at R.C.N.V.R. Divisions NOT on Active Service:-

Officers	Ratings	TOTAL
255	1,555	1,810

2. CASUALTIES

(a) Alan Rudolph JOHNSON, Sub-Lieut., killed in Flying Accident 22.5.42.

(b) Frank L. Evans, A.B., V13257, missing in "EMPIRE AMETHYST".

(c) James L. McCAULEY, Ord. Smn. V16559, missing - presumed dead.

(d) Russell S. DAVIS, Ord. Smn., V26270, missing - presumed dead.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	50	427	477
Other Deaths.....	6	52	58
TOTAL.....	56	479	535
Wounded or Injured.....	2	67	69
Prisoners of War.....	3	1	4

3. OPERATIONS

- At Halifax -

- Arrivals -

1. H.M.C.S. "NANAIMO" to ON 94. 22.5.42.
2. H.M.C.S. "HALIFAX" BX19. 23.5.42.
3. H.M.C.S. "KENOGAMI" SH3. 23.5.42.
4. H.M.C.S. "REGINA" from BX19. 23.5.42.
5. H.M.C.S. "SHEDIAC" escorting JH1. 23.5.42.
6. H.M.C.S. "WOODSTOCK" 23.5.42.
7. H.M.S. "VERITY" from BX19. 23.5.42.
8. H.M.C.S. "WEYBURN" 24.5.42.
9. H.M.C.S. "ALGOMA" 24.5.42.
10. H.M.C.S. "OAKVILLE" 25.5.42.
11. H.M.C.S. "ST. CLAIR" from ON94. 25.5.42.

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12. H.M.C.S. "ST. FRANCIS" from Argentia 25.5.42.

13. H.M.C.S. "UNGAVA" 25.5.42.

14. H.M.C.S. "QUINTE" from Sable Island 25.5.42.

15. H.M.C.S. "CALGARY" escorting BX20. 27.5.42.

16. H.M.C.S. "COLUMBIA" from BX20. 27.5.42.

17. H.M.C.S. "MIDLAND" escorting BX20. 27.5.42.

18. H.M.C.S. "NIPIGON" 27.5.42.

19. H.M.C.S. "WEYBURN" 27.5.42.

20. H.M.S. "WALKER" escorting BX20. 27.5.42.

21. H.M.C.S. "FREDERICTON" 28.5.42.

22. H.M.C.S. "SHAWINIGAN" from ON95. 27.5.42.

- Departures -

23. H.M.C.S. "BRANTFORD" escorting QS3. 22.5.42.

24. JOHN W. MACKAY (Cable Ship) with H.T.1. 22.5.42.

25. H.M.C.S. "NORANDA" escorting QS3. 22.5.42.

26. H.M.C.S. "OTTAWA" with HJ2. 22.5.42.

27. H.M.C.S. "QUINTE" 22.5.42.

28. H.M.C.S. "SUDBURY" with HT1. 22.5.42.

29. H.M.C.S. "THE PAS" escorting HT1. 22.5.42.

30. H.M.C.S. "FREDERICTON" 24.5.42. with HS5.

31. HX 191 under Local Escort of H.M. Ships "WANDERER", "ROXBOROUGH" and H.M.C. Ships "SUMMERSIDE", "BARRIE". Ocean escort of H.M.C. Ships "WETASKIWIN", "SAGUENAY", "SKEENA", "SACKVILLE", "GALT", "CAMROSE" 24.5.42.

32. H.M.C.S. "BARRIE" escorting HX 191. 25.5.42.

33. H.M.C.S. "NIPIGON" with HS5. 25.5.42.

34. H.M.C.S. "ST. CLAIR" for ON 94. 25.5.42.

35. H.M.S. "SECURITY" (Tug) for Sable Island. 25.5.42.

36. H.M.S. "WANDERER" 25.5.42.

37. H.M.C.S. "HALIFAX" to Saint John's. 26.5.42.

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38. H.M.C.S. "MAHONE" escorting HS 6. 26.5.42.

39. H.M.C.S. "OAKVILLE" escorting XB22. 25.5.42.

40. H.M.C.S. "REGINA" to Saint John's. 26.5.42.

41. H.M.S. "VERITY" 26.5.42.

42. H.M.C.S. "ALGOMA" for Liverpool, N.S. 27.5.42.

43. H.M.C.S. "COBALT" to Sydney 27.5.42.

44. H.M.C.S. "LUNENBURG" to Sydney 27.5.42.

45. H.M.C.S. "ST. CLAIR" for Sydney 27.5.42.

46. H.M.S. "LINCOLN" 27.5.42.

47. H.M.C.S. "SHEDIAC" for Liverpool 27.5.42.

- At St. John's -

- Arrivals -

48. H.M.C.S. "SASKATOON" 21.5.42.

49. H.M.C.S. "COWICHAN" 25.5.42.

50. H.M.C.S. "MINAS" 25.5.42.

51. H.M.C.S. "CAMROSE" 26.5.42.

52. H.M.C.S. "CHAMBLY" 26.5.42.

53. H.M.C.S. "GALT" 26.5.42.

54. H.M.C.S. "LETHBRIDGE" from ON95. 26.5.42.

55. H.M.C.S. "MALPEQUE" 26.5.42.

56. H.M.C.S. "OTTAWA" 26.5.42.

57. H.M.C.S. "PRESCOTT" from ON95. 26.5.42.

58. H.M.C.S. "SACKVILLE" 26.5.42.

59. H.M.C.S. "WETASKIWIN" 26.5.42.

60. P14 (Sub) 26.5.42.

61. H.M.C.S. "BARRIE" 27.5.42.

- Departures -

62. H.M.C.S. "ALGOMA" escorting TH2 to Halifax 21.5.42.

63. H.M.C.S. "WETASKIWIN" 21.5.42.

64. H.M.C.S. "OAKVILLE" to ON94. 22.5.42.

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65. H.M.S. "MONTGOMERY" to ON94. 22.5.42.

66. H.M.C.S. "MALPEQUE" to Botwood, Nfld. 23.5.42.

67. H.M.C.S. "MINAS" to Harbour Grace 23.5.42.

68. H.M.S. "VETERAN" 23.5.42.

69. H.M.C.S. "HAMILTON" to ON95. 25.5.42.

70. H.M.C.S. "KAMSACK" escorting SH3 to Halifax. 25.5.42.

71. H.M.C.S. "SASKATOON" to ON95. 25.5.42.

72. H.M.C.S. "SOREL" to ON95. 25.5.42.

73. H.M.S. "WITCH" for ON95. 25.5.42.

74. H.M.C.S. "CAMROSE" to HX191. 26.5.42.

75. H.M.C.S. "CHAMBLY" 26.5.42.

76. H.M.C.S. "GALT" to HX191. 26.5.42.

77. H.M.C.S. "SACKVILLE" to HX191. 26.5.42.

78. H.M.C.S. "SAGUENAY" 26.5.42.

79. H.M.C.S. "SKEENA" 26.5.42.

80. H.M.C.S. "WETASKIWIN" to HX191. 26.5.42.

81. P514 (Sub) to Argentia 26.5.42.

82. H.M.C.S. "LETHBRIDGE" to overtake SC85. 26.5.42.

83. H.M.C.S. "PRESCOTT" to overtake SC85. 27.5.42.

84. H.M.C.S. "MALPEQUE" 29.5.42.

- At Sydney -

- Arrivals -

85. H.M.C.S. "DRUMMONDVILLE" 22.5.42.

86. H.M.C.S. "GEORGIAN" from CL41. 22.5.42.

87. H.M.C.S. "KENOGAMI". 22.5.42.

88. H.M.C.S. "RACCOON" escorting SQ3. 23.5.42.

89. H.M.C.S. "UNGAVA" 23.5.42.

90. H.M.C.S. "WEYBURN" 23.5.42.

91. H.M.C.S. "QUINTE" 24.5.42.

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92. H.M.C.S. "BRANTFORD" 25.5.42.

93. H.M.C.S. "BURLINGTON" 25.5.42.

94. H.M.C.S, "NORANDA" 25.5.42.

95. H.M.C.S. "FREDERICTON" 26.5.42.

96. H.M.C.S. "NIPIGON" 26.5.42.

97. H.M.C.S. "NORTH WIND" 26.5.42.

98. H.M.C.S. "WOODSTOCK" 22.5.42.

- Departures -

99. H.M.C.S. "CARIBOU" for Port aux Basques 23.5.42.

100. H.M.C.S. "DRUMMONDVILLE" escorting SQ3. 23.5.42.

101. H.M.C.S. "GEORGIAN" escorting LC19. 23.5.42.

102. H.M.C.S. "KAMLOOPS" for Pictou. 23.5.42.

103. H.M.C.S. "LORD KELVIN" (Cable Ship) 23.5.42.

104. H.M.C.S. "UNGAVA" escorting SH4. 23.5.42.

105. H.M.C.S. "VEGREVILLE" escorting "LORD KELVIN" 23.5.42.

106. H.M.C.S. "WEYBURN" 23.5.42.

107. SQ3 Escort H.M.C.S. "RACCOON" 23.5.42.

108. H.M.C.S. "QUINTE" 24.5.42.

109. H.M.C.S, "NORANDA" 25.5.42.

110. H.M.C.S. "BURLINGTON" 26.5.42.

111. H.M.C.S. "FREDERICTON" 26.5.42.

112. H.M.C.S. "NIPIGON" 26.5.42.

113. SQ4 Escort H.M.C.S. "BURLINGTON" 26.5.42.

114. H.M.C.S. "WOODSTOCK" 22.5.42.

- At Gaspe -

- Arrivals -

115. H.M.C.S. "BURLINGTON" 23.5.42.

116. H.M.C.S. "CLAYOQUOT" 24.5.42.

117. H.M.C.S. "DRUMMONDVILLE" 25.5.42.

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118. H.M.C.S. "RACCOON" from SQ3. 25.5.42.

119. H.M.C.S. "MEDICINE HAT" from QS3. 27.5.42.

- Departures -

120. H.M.C,S. "CLAYOQUOT" 26,5.42,

121. H.M.C.S. "RACCOON" 27.5.42.

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H.M.C.S. "BRANTFORD" departed Quebec to A/S patrol, escort for QS2, 23.5.42.

H.M.C.S. "CHEDABUCTO" arrived Gaspe 22.5.42.

H.M.C.S. "DRUMMONDVILLE" departed Quebec 28.5.42.

H.M.C.S. "GRANDMERE" arrived Pictou. 24.5.42.

H,M.C.S. "HUSKY" returned to Saint John, N.B. due to engine trouble. 23.5.42.

H.M.C.S. "LA MALBAIE" arrived Pictou 24.5,42.

H.M.C.S. "NORANDA" departed Quebec for exercises 22.5.42.

H,M,C.S. "PRINCE HENRY" sailed Esquimalt for Vancouver 25.5.42. arrived Vancouver 25.5.42.

QS 4 sailed Father Point 29.5.42.
Escort H.M.C.S. "CHEDABUCTO".

QS 3 sailed Father Point 25.5.42.
Escort H.M.C.S. "MEDICINE HAT".

QS 2 sailed Father Point 23.5.42.
Escort H.M.C.S. "CLAYOQUOT".

H.M.C.S. "WEYBURN" sailed Sydney for Sable Island 25.5,42.

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ROUTEING AND CONVOY SECTION

A convoy comprising 26 ships of which 18 were British, 3 U.S., 1 Swedish, 1 Greek, 2 Belgian, 1 Norwegian sailed from Halifax 24.5.42. under the A/S Escort of H.M.C. Ships "WETASKIWIN", "SAGUENAY", "SKEENA", "SACKVILLE", "GALT", "CAMROSE".

There were three independent trans-ocean sailings from the Atlantic Coast this week.

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DIRECTOR OF OPERATIONS DIVISION

U-Boat Activities

Atlantic Coast

There have been fewer attacks on shipping by U-boats off the U.S. coast since the introduction of convoys but attacks continue in the Carribean and have increased in the Gulf of Mexico and Yucatan Channel.

The following list gives particulars of the ships sunk in the Western Atlantic on which information has been received during the past week:

TIME	NAME	POSITION Lat.(N) Long.(W)	REMARKS
17/5	"FAUNA" (Dutch)	Turks Island Chipso Passage	Cargo, 1254 tons, after sheltering sailed Norfolk 10/5 Turks Island. 27 survivors and Captain arrived Jamaica.
0153Z/12	"MOUNT PARNES" (Gr)	52° 45' 29° 30'	Cargo, 4371 tons. Torpedoed and sank. Sailed U.K. ON92 Father Point thence Montreal.
1700Z/17	"PEISANDER" (Br)	37° 24' 63° 38'	6225 tons. Br. Passenger; sailed Colon 9/5 Halifax.
----/17	"BETH" (Nor)	11° 48' 57° 32'	6852 tons Nor. tanker; sailed Trinidad 16/5 to Freetown, due 29/5, 29 survivors. Torpedoed and sunk.
----/18	"WM. J. SALMAN" (US)	20° 08' 83° 46'	2616 tons, U.S. Cargo; 22 survivors, 6 missing. Last movement in Galveston.
----/18	"QUAKER CITY" (U.S.)	300 miles east of Barbados.	4961 U.S. Cargo; sailed Capetown 25/4 Norfolk.
----/18	"ISABELLA" (U.S.)	18° 30' 75° 00'	3109 tons, U.S. Cargo; sailed Norfolk 10/5 San Juan. 33 survivors.
----/18	"G.W.E.P." Unknown	21° 01' 84° 26'	Sunk. 28 survivors.
----/19	"OGONTZ" (U.S.)	23° 30' 86° 37'	5037 tons, U.S. Cargo; sailed Colon 15/5 Panama City.

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TIME	NAME	POSITION Lat.(N) Long.(W)	REMARKS
----/20	"CLARE" (U.S.)	21° 33' 84° 39'	3372 U.S. Cargo; sailed Norfolk 14/5 Trinidad 47 survivors.
----/20	"GEORGE CALVERT"(US)	23° 03' 84° 17'	7191 U.S. Cargo; sailed Norfolk 14/5 to Trinidad 47 survivors.
2225Q/20	"FAJA DEORO" (Mex)	23° 30' 84° 24'	Torpedoed & sunk, en route Norfolk 16/5 destination unknown; 28 survivors, 9 missing; 6,067 Mexican tanker.
2000Z/20	"DARINA" (Br)	29° 17' 54° 25'	8000 ton Br. tanker; sailed U.K. Convoy ON93 to Texas.
1823Z/21	"PLOW CITY" (U.S.)	38° 53' 69° 00'	U.S. Cargo, 3,282 tons torpedoed and sank, sailed Trinidad 10/5 New York.
1645Z/21	"PRES. TRUJILLIO" (Dom.)	14° 38' 61° 11'	Cargo, 1,668 tons. Torpedoed and sank, sailed Cuidad Trujillo 16/5 Martinique.
1630Z/21	"TROIS DOC" (Can)	18° 15' 79° 12'	Cargo, 1925 tons; torpedoed and sank; sailed Mobile 15/5 Georgetown, U.S.S. "MOHAWK" picked up 18 survivors.
1330Z/22	"FRANK B BAIRD" (Br)	28° 05' 58° 50'	British Cargo, 1,748 tons;sailed St. Lucia 14/5 Sydney sunk by S/M gunfire; all rescued.
-----/22	"WM.B. THOMPSON"(US)	100 miles South of Jamaica.	Tanker, 7,061 tons; torpedoed and sunk, sailed Montego Bay 24/5 for Guantanamo, due 25/5. Entire crew survived.
-----/23	"SAMUEL Q. BROWN"(US)	20° 15' 84° 37'	Tanker, 6624 tons; sailed New Orleans 20/5 Colon.
1615/23	"WATSONVILLE" (Pan)	17° 56' 76° 48'	Cargo, 2,220 tons; sailed St. Vincent 23/5 Trinidad.

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CANADA

TIME	NAME	POSITION Lat.(N) Long.(W)	REMARKS
0235Z/25	"HAAKAN HAUAN" (Nor)	28° 45' 90° 03'	Tanker, 6,582 tons; sailed Norfolk 17/5 Galveston.
0934/26	"CARRABULLE" (U.S.)	26° 18' 89° 21'	Tanker, 5,030 tons; sailed New Orleans 20/5.
0313Z/27	"S.S. ATENAS" (U.S.)	25° 50' 89° 05'	U.S. Cargo, 4,639 tons. Arrived New Orleans 22/5.

The following ships were attacked by U-boats but no further word as to the result has been received.

1000Z/24	"KETK"	89 mi. 116° T Isle de Pines	Shelled by 2 subs; planes searched, found nothing.
1412Z/25	"GENERAL GREEN" (U.S.)	41° 20' 69° 15'	Engaging S/M.
0455Z/26	"GOVERNOR JOHN LIND"	17° 51' 73° 44'	Chased and fired on by sub.
0900-0934/26	"CARRABULLE"	26° 18' 89° 21'	Shelled by sub; set on fire.
----/25	"BEATRICE"	17° 21' 76° 07'	Shelled by sub; 22 survivors ashore near Jamaica, no further information.

GULF OF ST. LAWRENCE

There have been no attacks on shipping in the Gulf of St. Lawrence since the commencing of Convoys.

A D/F bearing indicated a submarine in the vicinity of 049° 00'N., 063° 30'W. at 0616Z/31. H.M.C.S. "BURLINGTON" was ordered to proceed to this position from Gaspe Bay to search. The result of her search was negative.

COUNTER ATTACKS

COMINCH reported that a U.S. Army plane sighted and bombed a submarine at 1827Z/24 in position 035° 05' N., 075° 40'W. Results of attack are unknown.

COMINCH reported that a U.S. Navy Coast Guard Cutter sighted and engaged a submarine in position 041° 20'N., 069° 15'W. at 1355Z/25 with no definite results.

A U.S. plane attacked a submarine on the surface in position 017° 23'N, 071° 28'W at 0627/25. Four bombs were dropped and one direct hit obtained.

S.S. "ATENAS" was reported by the U.S. Naval authorities to have fired on a submarine in position 027° 35'N., 089° 28'W. at 1800Z/26. No further report has been received.

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PACIFIC COAST

H.M.C.S. "PRINCE HENRY" is undergoing refit at Vancouver and expects to complete in mid-July.

H.M.C.S. "PRINCE DAVID", "PRINCE ROBERT", all available Corvettes, Minesweepers, and smaller craft are maintaining regular patrols off the West Coast.

GENERAL

The first Canadian Tanker Convoy (H.T.1) sailed from Halifax on 22nd May for Trinidad escorted by two Corvettes.

The revised arrangements for Western Local Escort groups to escort O.N. Convoys from 52° W. to Halifax and on to Cape Cod went into effect with O.N. 95. Owing to irregularity of O.N. Convoys it may be necessary to make some adjustments to this system in order to ensure some regular B.X. Convoys. Discussions have taken place on this subject at Naval Service Headquarters with representatives of Commander Eastern Sea Frontier and Commanding Officer Atlantic Coast.

At 1220Z/25 "ANNA MAZARAKI" grounded off Sable Island. H.M.C.S. "QUINTE" stood by until relieved by H.M.C.S. "WEYBURN" and Tug "SECURITY". Salvage was attempted but ship was abandoned as a total loss at 2045Z/26. "WEYBURN" with all the crew of the abandoned ship on board arrived Halifax on 27th May in company with Tug "SECURITY".

H.M.C.S. "WETASKIWIN" is doing A/S exercises at Harbour Grace with submarine P.514. This submarine will be utilized by B. and C. Escort Groups at Argentia for A/S training until mid-July when the R.N. submarine L.27 is expected to arrive.

The Free French Corvettes "MIMOSA" and "ACONITE" due for refit cannot be accepted at a U.S. port under Lease Lend arrangements. Upon the concurrence of C. in C., W.A. they will be taken in hand at Bermuda in the near future.

NEW CONSTRUCTION

Fairmile Motor Launch Q.079 was commissioned at Toronto on 20th May. Q.074, and Q.059 were commissioned 26th May. They are doing gun and Depth Charge Trials, etc. before proceeding to Montreal.

H.M.C. Corvette "VILLE DE QUEBEC" was commissioned at Quebec on 24th May and is carrying out gun, Depth Charge and A/S trials etc. before proceeding to Halifax for working-up.

H.M.C. Corvette "PORT ARTHUR" was commissioned at Montreal on 26th May. She will proceed to Quebec in a few days for A/S Trials.

H.M. Minesweeper "QUALICUM", built in Toronto for the Admiralty, was commissioned on 18th May and is gun-fitting and doing a brief work-up at Toronto. She is the first R.N. vessel to commission in the St. Lawrence and Great Lakes this year. Only one R.N. Bangor Class M/S, "SHIPPIGAN" at Toronto remains to be commissioned in Canada.

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Q.063 at Toronto, Q.062 and Q.072 at Montreal and Q.051, Q.058, Q.073 at Quebec are at various stages of armament trials, R.D.F. and W/T Fitting, en route Halifax for working-up.

4. WORKS

MERCANTILE EQUIPMENT OFFICER AND DEGAUSSING OFFICER

One hundred and five D.E.M.S. inspections were carried out this week in the following ports: Halifax (70), Saint John (12), Sydney (3), Montreal (13), Quebec (3), Esquimalt (4).

Information in connection with arming etc. has been received regarding the following ships:-

"CAMOSUN"	12 Pdr. LA gun mounted	Esquimalt
"GRIFFCO"	12 Pdr. LA gun mounted	Esquimalt
"FORT GOOD HOPE"	4" gun mounted	Esquimalt
"FORT McLAUGHLIN"	4" gun mounted	Esquimalt
"FORT LA MAUNE"	4" gun mounted	Quebec
"FORT ABITIBI"	4" gun mounted	Montreal

The degaussing equipment of 99 ships was inspected this week in Canadian Ports; 94 were reported as satisfactory; repairs have been carried out on the remainder.

The British Ministry of War Transport, New York reported that Degaussing had been installed on 11 ships in United States Ports.

SUPERINTENDENT OF BOOM DEFENCE

Throughout the week, yard hands were employed at all bases in routine servicing of equipment, changing of buoys, general maintenance and construction work.

At Sydney, N.S., the laying of the A/S Net is completed. A single A/S Gate is installed on Seaward Line and preparations are going forward to hand a gate of A/T Nets in the Harbour Line of Net.

The Boom Defence Crawler Crane at Shelburne, N.S. was employed in loading cement blocks for the Royal Canadian Air Force and reels of wire for the Army Signals, on scows.

Derrick Scow No. MBD-8 arrived at Prince Rupert to be used as a Boom Defence Maintenance Vessel at this port, and C.G.S. "ESSINGTON", on rental since October, 1941, was released to the owners, Department of Public Works.

SENIOR TECHNICIAN; TECHNICAL DIVISION

Arrangements have been made with the National Research Council, Ottawa, for an operating life test on a Black and Decker Hammer.

Sources of supply and manufacturing arrangements are well in hand for both Bomb and Unexploded Mine Disposal equipment.

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The Passive Air Defence Officer is preparing a comprehensive programme of Passive Air Defence organizations to be set up for all the various dockyards and bases.

INSPECTOR OF CONTRACT BUILT SHIPS

During the past week the Inspector of Contract Built Ships has been away at Port Arthur inspecting New Construction there, but it has been reported that one Corvette, H.M.C.S. "PORT ARTHUR" was commissioned, and another, H.M.C.S. "VILLE DE QUEBEC" made satisfactory acceptance trials.

With regard to Fairmiles, one vessel "Q-080" was launched, 5 were accepted, and Trials were carried out successfully with 7 others. The fitting of R.D.F. and W/T on several ships of this type is in hand at Quebec and Montreal.

DIRECTOR OF A/S

Normal complement required as of May 15 was, by classes:-

	S.D.I.	H.S.D.	S.D.
Provided.....	37 4	238 118	724 621
Shortage was, therefore, as of May 15/42.	33	120	103

As noted above, the current shortage of A/S ratings is of serious proportions and unfortunately the demand is increasing faster than training is currently producing. In view of this situation, strong representations have been made to C.N.P. respecting the necessity of supplying suitable ratings for training in larger numbers.

With regard to protection of Domes, an Officer has been assigned to the study of this problem, in consultation with D.N.C. and E. in C.

During the next eighteen months $930,000.00 worth of A/S material is to be used as spares.

RESEARCH LIAISON OFFICER

Among the various experiments being carried on at this Branch are experiments in connection with material which is extremely light and water-resisting, for use as a buoyant packing material for Carley Floats, Life Jackets, etc.

Comparative tests are to be made to determine the weight of non-metallic armour slabs required as a substitute for ten-pound armour plate.

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DEGAUSSING OFFICER

No report has been received from this Branch as the Degaussing Officer is holding a conference in connection with the New D.G. Organization.

DIRECTOR OF RADIO SUPPLY

No report has been received from this Branch.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $495,703.15.

CHIEFS OF STAFF COMMITTEE,

30th May, 1942.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 23.
Ottawa, 4th July, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 139

(For week ending 4th July)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN.	4	0	475	3,492	479	3,491
RCNR.	3	13	852	4,336	854	4,341
RCNVR.	20	657	3218	26,833	3234	27,444
TOTAL	27	670	4545	34,661	4567	35,276

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	4	6	10
Discharges (a) Med. Unfit	0	19	19
(b) Other Reasons	1	30	31
TOTAL	5	55	60

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	1	0	1
TOTAL	1	1	2

2. CASUALTIES.

(a) R.J. BROWNE, Lieutenant, R.C.N.V.R. - died of wounds received in action 16.6.42.

(b) L.P. DOUGLAS, Lieutenant, R.C.N.V.R. - missing, presumed killed.

(c) J.F. MAGILL, Lieutenant (E), R.C.N.R., missing, believed lost.

(d) J.M. WALKLEY, Lieutenant, R.C.N.V.R. - killed on A/S 16.6.42.

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(e) Leslie A. MOORE, A.B., V10278 - died 26.6.42.

(f) Wm. C. DELBRIDGE, Elect., V16342 - killed in accident 29.6.42.

(g) Leslie HORNE, A.B., V9632 - missing, believed killed.

(h) J.F. LOVE, Stoker II, V19486 - missing, believed killed.

(i) C.J. CLEMENTS, Stoker I, V18276 - missing, believed killed.

(j) N.F. HULL, Stoker II, V18387 - missing, believed killed.

TOTAL CASUALTIES TO DATE:

	Officers	Ratings	TOTAL
Killed on Active Service	55	431	486
Other Deaths	8	57	65
TOTAL	63	488	551
Wounded or Injured	4	67	71
Prisoners of War	3	1	4

DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-boat Activities

Shipping losses during the week under review have again shown a sharp increase and the total tonnage reported lost is double that reported last week. U-boats are operating along the Atlantic Coast and between Halifax and Bermuda in increasing numbers and D/F bearings indicate the presence of enemy units in the Atlantic Convoy Shipping Lanes. Out of a total of 22 ships sunk, 6 were lost in the Caribbean, 6 along the Atlantic Coast and 3 in Bermuda waters.

The total tonnage and number of ships reported sunk during this period is shown below with the previous three weeks for comparison:

Week Ending	Cargo	Tankers	Total	Tonnage
11th June	19	2	21	70,700
18th June	30	5	35	185,300
25th June	15	2	17	67,300
2nd July	18	5	23	129,900
Total for 4 weeks	82	14	96	453,200

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The following list gives particulars of the ships sunk on which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
/10	26° 00' N 65° 00' W	HARDWICKE GRANGE	9,005	Torpedoed - sunk. British Cargo. Sailed Norfolk 8/6 - Port of Spain
/15	06° 00' N 47° 00' W	CARGINA	5,586	Torpedoed, Panama. Sailed Buenos Aires 30/5 Trinidad.
/16	13° 27' N 67° 35' W	NOEVA ALTA GRACIA	N.K.	Sunk - no information.
/17	25° 26' N 95° 33' W	SANS BLAS	3,628	Torpedoed and sunk, Pan. Pass. - sailed Galveston 15/6.
/17	12° 00' N 72° 30' W	ANTI MATKAVIC	2,710	U.S. Cargo - sailed Cartagena 17/6 Curacao.
2035Z/22	15° 36' N 67° 52' W	E.J. SADLER	9,639	Torpedoed and sunk, U.S. Tanker - sailed Aruba 21/6 New York.
/23	12° 10' N 59° 10' W	ANDRA BROVIC	10,300	Torpedoed and sunk, Nor. Cargo - sailed Trinidad 22/6 Freetown.
2350Z/24	34° 31' N 75° 42' W	NORDAL	3,825	Torpedoed, Pan. - sailed Bahia 2/6 Baltimore.
2350Z/24	34° 31' N 75° 42' W	MANUELA	4,772	Torpedoed, U.S. Cargo - sailed San Juan 13/6 New York.
/24	Not known	ARRIACA	2,345	Shelled, sunk, Pan. Tanker - sailed Norfolk 7/6 Aruba.
0034Z/26	35° 40' N 75° 30' W	NORVOY	245	Torpedoed, Nor. Cargo.
0845Z/26	32° 02' N 54° 53' W	JAGERSFONTEIN	10,083	Torpedoed, Dutch Passenger - sailed Galveston 18/6 Liverpool.
/26	35° 00' N 75° 30' W	TAMESIS	7,256	Torpedoed, Nor. Cargo - sailed Lubito 10/6 New York.
/26	11° 33' N 59° 33' W	PLYBIUS	7,041	Torpedoed, sunk, U.S. Cargo - sailed Capetown 31/5 Trinidad.
0920Z/27	13° 18' N 59° 57' W	LIEFERIKSSON	9,952	Torpedoed, sunk, Nor. Tanker - sailed Trinidad 29/6 Gibraltar.

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TIME	POSITION	NAME	TONS	REMARKS
0400Z/27		TUGG PAN.	N.K.	Sunk, Mex.
/27	Not known	LAS CHORAS	2,055	Sunk, Honduras - arrived Vera Cruz 23/6.
1507Z/27	34° 45' N 75° 22' W	BRITISH FREEDOM	6,985	Torpedoed, Br. Tanker - sailed Norfolk 26/6 Port of Spain.
/28	35° 07' N 75° 07' W	WILLIAM ROCK-FELLAR	14,054	Torpedoed, U.S. Tanker- sailed Aruba 19/6 New York.
0538Z/29	45° 56' N 34° 23' W	WAIWERA	12,435	Torpedoed, Br. Cargo - sailed Colon 17/6 Liverpool.
1200Z/29	23° 33' N 60° 00' W	K.E.W.O.	N.K.	Torpedoed - no information.
/1	10° 56' N 61° 09' W	WARRIOR	7,551	Torpedoed, U.S. Cargo - sailed Port of Spain 1/7 Capetown.
/	Not known	RESOLUTE	453	Sunk, U.S. Cargo - arrived Pernambuco.

The following ships were attacked by U-boats but no further word as to their fate has been received:

2058Z/28	11° 38' N 54° 28' W	STEEL ENGINEER	5,686	Attacked, U.S. Cargo - sailed Charleston 15/6 Trinidad.
		REINE MARIE STUART	N.K.	Sailed New York 1/4 Laurenco Marques.

Counter Attacks

Cominch reported that a Navy plane attacked a submarine in position 034° 46' N, 075° 56' W at 1325Z/25 with uncertain results.

Cominch reported that a plane attacked a submarine in position 018° 45' N 063° 52' W at 1230Z/29. No further word has been received.

A U.S. Army bomber sighted two submarines in position 038° 20' N 068° 38' W at 0600Z/30. One submarine was bracketed and damaged as it dived. Additional air support was despatched to the position but nothing further has been heard.

Commanding Officer Atlantic Coast reported that an attack was carried out on a submarine by an aircraft in position 044° 12' N 062° 16' W at 1144Z/1 July. No word as to the results of the attack has yet been received.

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Pacific Coast

H.M.C.S. "PRINCE ROBERT" departed Esquimalt 27th June for Nanoose Bay for exercises.

H.M.C.S. "TIMMINS", accompanied by "SANS PEUR", was despatched from Esquimalt on June 29th to position 052° 03' N 130° 06' W where submarine was reported sighted by an R.C.A.F. plane at 0918 P.D.T./29. No further report has been received.

On June 29th a U.S. Blimp reported a suspected enemy minelaying submarine near the Farallone Islands off Monterey, California. An oil trail, air bubbles and many submerged mines were sighted. An air and mine-sweeping search of the area is being carried out. No mines have yet been swept.

From reports received during the week, it appears that the aircraft carriers previously reported in the Aleutian area have been withdrawn to Northern Japanese waters. No word has been received of the enemy warships near Kiska, but on June 29th a force of 7 enemy ships was reported headed in the direction of Nome.

Air reconnaissance from Nome along the sea coast and in the vicinity of the Pribiloff Islands proved negative. An unidentified plane was sighted on June 23rd over Nome.

There is evidence of a seaplane base being constructed at Kiska. Fifty-foot barges for docks, buildings, A/A emplacements, many roads and paths and 7 dummy planes were observed. Pilots report heavy A/A fire from Little Kiska Island at Harbour entrance. Enemy installations at Kiska were bombed by U,S. aircraft during the week, but bad visibility has prevented observation of results of this attack.

Scout seaplanes and three transports were observed at Kiska on June 26th and a destroyer and a tanker were in Sanara Bay, Attu Island on June 21st.

General

At 2111Z/25 H.M.C.S. "MELVILLE" was despatched from Halifax to investigate a submarine sighted in 043° 40' N, 066° 40' W at 1920Z/25. Result of search was negative.

H.M.S. "ROXBOROUGH", while en route from ON 102 to Halifax, grounded in position 216°, eight miles from Chebucto Head Light, at 0745Z/24. Underwater damage was sustained but the ship was refloated at 2035Z/24 and was towed into Halifax.

H.M.S. "BUXTON", due to insufficient fuel, was forced to leave convoy S.C. 88 in 052° 33' N 043° 25' W on 25th June and to proceed to Londonderry. C.T.F. 24 recommends that this ship be replaced by one of adequate steaming power. C.in C., W.A., suggested the exchange of "BUXTON" with "RAMSAY" which is now in the Western Local Escort Force.

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On June 26th a Portuguese Trawler picked up a life boat with the crew of "EMPIRE CLOUGH" in 050 20' N 050 30' W (O.N. 100) at 1032B/29. Admiralty requested Flag Officer, Newfoundland Force, to instruct "ACONITE", "FRISKY" and "SWARTZIE" (which were searching for "EMPIRE CLOUGH") to proceed to the assistance of "WAIWERA" which had been torpedoed and abandoned in position 045 56' N 034 23' W at 0436B/29.

Commanding Officer Atlantic Coast considers that the absence of reports of U-boats in the Sable Island area since the inception of air patrols warrants the continuance of the patrols. This was concurred with by N.S.H.Q.

Commencing July 6th a convoy system will be inaugurated for shipping between Sydney (C.B.) and Greenland (Tunugdliarfik Fjord). The convoys, designated letters S.G. and G.S., will depart from the terminal points every 10 days.

New Construction

H.M.C. Corvette "KITCHENER" was commissioned at Lauzon on June 28th, 1942. This completed the 1941/42 programme of corvettes; no further corvettes will be commissioned in the current year. This brings the total number of R.C.N. Corvettes in commission to seventy-seven.

Fairmiles Q.075 and 76 arrived at Toronto 29th June and are undergoing Gun and D.C. Trials.

There are now two new construction Fairmiles and one Minesweeper at Montreal, four Fairmiles at Quebec, two at Sydney and one at Shelburne (Halifax - Weymouth).

Working up at Halifax and Pictou are four Corvettes, one Minesweeper and nine Fairmiles.

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ROUTEING AND CONVOY SECTION

A convoy comprising 45 ships, of which 18 were British, 11 U.S., 6 Norwegian, 2 Yugo Slav., 2 Dutch, 3 Greek, 1 Polish, 1 Panamanian and 1 U.S.S.R., sailed from Sydney on June 26th under the A/S Escort of H.M.C. Ships "CHAMBLY", "DRUMHELLER", "ST. CROIX", "DAUPHIN" and "BRANDON".

A convoy comprising 43 ships of which 31 were British, 7 Norwegian, 2 Swedish, 1 Dutch and 2 U.S., sailed from Halifax on June 29th under the A/S Escort of U.S. Ships "CAMPBELL", "SPENCER" and H.M.C. Ships "BITTERSWEET", "AGASSIZ" and "MAYFLOWER".

There were no independent trans-ocean sailings this week.

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4. WORKS

SENIOR TECHNICIAN, TECHNICAL DIVISION

The National Research Council is making considerable progress with double pipe acoustic sweeps, particularly those for operating at slow speeds. The chief difficulty is to design a sweep which will operate and have a reasonable life in service.

The new magnetic D.G. range in the Main Channel with the control station on McNabb's Island is now in regular operation, and as practically every ship that goes up or down the channel is ranged, much useful information has already been collected.

SUPERINTENDENT OF BOOM DEFENCE

Inspection, servicing and maintenance of S.B. gear were carried out where necessary. The servicing of Spike Boom for Prince Rupert was completed.

At Gaspe two Derrick Scows were occupied in working at the Naval Base and also for the Army and Air Force.

DIRECTOR OF DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections in Canadian Ports numbered 123 in connection with D.E.M.S. and 121 with D.G. Six ships were degaussed in U.S. Ports.

H.M.C.S. "CHILLIWACK" and "SAUREL" are in hand for gun mounting at Esquimalt and Halifax respectively.

INSPECTOR OF CONTRACT BUILT SHIPS

During the week two ships, H.M.C.S. "KITCHENER", a corvette, and H.M.C.S. "LACHINE", a minesweeper, were commissioned at Quebec.

Various successful trials were also carried out with three other ships, including the Base Supply Ship "PRESERVER".

5. STORES

The equipment purchased by the Naval Stores amounted this week to $716,498.17.

CHIEFS OF STAFF COMMITTEE
4th July
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 23.
Ottawa, 11th July, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 140

(For week ending 11th July)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	6	0	479	3,491	484	3,488
RCNR	1	13	854	4,341	853	4,349
RCNVR	5	599	3,234	27,444	3,239	28,013
TOTAL	12	612	4,567	35,276	4,576	35,850

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	10	10
(b) Other Reasons	3	28	31
TOTAL	3	38	41

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	1	1
To RCN from RCNVR	0	4	4
To RCNR from RCNVR	0	1	1
TOTAL	0	6	6

2. CASUALTIES

- NIL -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	55	431	486

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TOTAL CASUALTIES TO DATE, CONT'D

	Officers	Ratings	TOTAL
(Brought Forward)	55	431	486
Other Deaths	8	57	65
TOTAL.	63	488	551
Wounded or Injured	4	67	71
Prisoners of War	3	1	4

3. OPERATIONS

ROUTEING AND CONVOY SECTION

A convoy comprising 33 ships of which 19 were British, 5 Norwegian, 4 Greek, 1 U.S., 1 Panamanian, 1 Polish, 2 Dutch, sailed from Sydney on July 3rd under the A/S Escort of H.M.C. Ships "SAGUENAY", "SKEENA", "WETASKIWIN", "GALT", "SACKVILLE", "LOUISBURG".

A convoy comprising 27 ships of which 20 were British, 2 U.S., 1 Greek, 2 Dutch, 1 Swedish, 1 Norwegian, sailed from Halifax on July 6th under the A/S Escort of H.M.C. Ships "OTTAWA", "CHAMBLY", "ST. FRANCIS", "ARVIDA", and H.M. Ships "CELANDINE", "SHERBROOKE".

There were three independent trans-ocean sailings this week from the Atlantic Coast.

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DIRECTOR OF OPERATIONS DIVISION

ATLANTIC COAST

U-Boat Activities

Total tonnage reported sunk during the week was considerably lower than during the preceding week.

During the week ending 9th July, 22 ships were reported sunk, two of which were tankers. With the exception of three ships sunk in the Gulf of St. Lawrence, and one with BX27, all vessels were unescorted. In Caribbean and West Indies waters 7 were lost, 8 were sunk in the Gulf of Mexico, Florida, Bahamas area, 3 along the Atlantic coast and 1 in the western Atlantic.

The total tonnage and number of ships reported sunk during this period is shown below with the previous three weeks for comparison.

Week ending	Cargo	Tankers	Total	Tonnage
18th June	30	5	35	185,300
25th June	15	2	17	67,300
2nd July	18	5	23	129,900
9th July	20	2	22	99,600
Total for 4 weeks	83	14	97	484,100

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The following list gives particulars of the ships sunk on which information has been received during the past week.

TIME	POSITION	NAME	TONS	REMARKS
-/26	23°07' N 62°06' W	PEDRINAS	3,666	Torpedoed, sunk Braz.cargo Sailed Santos 12/6 New York.
0330Z/26	24°20' N 63°16' W	PUTNEY HILL	5,216	Torpedoed, sunk British cargo. Sailed Capetown 1/6 New York.
-/28	00°15' N 63°20' W	SAM HOUSTON	6,800	Torpedoed, sunk U.S. cargo. Sailed Houston 7/6 Bombay.
2355Z/28	21°44' N 74°45' W	RUTH	4,833	Torpedoed, U.S. cargo. Sailed Trinidad 25/6 Baltu.
2130Z/28	12°22' N 60°10' W	MONA MARIE	-	Sunk by Sub.
-/29	29°25' N 85°17 W	EMPIRE MICA	8,032	Torpedoed, sunk, British Tanker. Sailed Houston 25/6 U.K.
0530Z/6	49°21' N 06°33' W	DINARIC	2,555	Torpedoed, British cargo. Sailed QS 15.
/29	31°N 70°W	EVERALDA	3,950	Shelled, sunk Latvian cargo. Sailed Norfolk 27/6 Rio de Janeiro.
/30	35°10' N 70°53' W	CITY OF BIRMINGHAM	5,881	U.S.Passenger, Sailed Norfolk 29/6 Bermuda.
/30	22°40' N 61°10' W	SEA THRUSH	5,447	Torpedoed, sunk U.S. cargo sailed Norfolk 23/6 Trinidad,

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/1		EDWARD LUCKEN-BACH	7,934	Struck mine, Sailed Kingston 28/6 Galveston.
/1	23°30' N 92°35' W	GUNDERSON	1,841	Torpedoed, sunk, Nor. Cargo. Sailed Tela 29/6 Galveston.
1/7	25°N 90°W	CADMUS	1,855	Torpedoed, sunk, Nor. cargo. Sailed Tela 29/6 Galveston.
0010Z/3	80 miles N.E. Port of Spain	SAN PABLO	3,305	Torpedoed, sunk Pan. Cargo, Arrived Port Limon 1/7.
0930Z/3	41°40' N 66°53' W	ALEXANDER McCOMB	7,100	Torpedoed, U.S. Sailed New York 30/6 Russia via Sydney Convoy BX27.
4/7	19°39' N 69°10' W.	NORLANDIA	2,689	Torpedoed, sunk, U.S. Sailed San Juan 3/7 Neuvitas.
0418Z/5	24°47' N 80°42' W	J.A.MOFFITT JR.	9,788	Torpedoed, U.S. Tanker Sailed Charleston 5/7 Port Arthur.
0530Z/6	Off Cape Chat	HAINAUT	4,312	Torpedoed, sunk, Belgium cargo. Sailed Montreal 3/7 U.K. with convoy QS 15.
0530Z/6	Off Cape Chat	ANASTASIOS PATERAS	3,382	Torpedoed, sunk, Greek sailed Montreal 3/7 U.K. with convoy QS 15.
6/7	29°35' N 88°45' W	BAYARD	2,160	Torpedoed, sunk, Nor. Cargo. Sailed New Orleans 5/7 Key West.
/7	Off Miami	UMTATA	8,141	Casualty, British Passenger. Sailed Key West 6/7 Port Everglades.
0055Z/9	11°40' N 60°59' W	EMPIRE EXPLORER	5,985	Torpedoed, British Passenger. Arrived Trinidad 1/7.

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The following ships were attacked by U-Boats but no further word as to their fate has been received,

2330Z/29	13°22' N 66°00' W	RIO BRANCO	4,925	Attacked, Braz, Cargo. Sailed Pernambuco 18/6,
/2	80 miles N. E. Port of Spain	GULF BELLE	7,104	Attacked, U.S. Tanker, Sailed Para 28/6 Port of Spain,
1710Z/6	29°19' N 88°50' W	GULF LAND	5,277	Attacked U.S. Tanker in Galveston, 31/5,
/7	29°24' N 88°32' W	P.H.HARWOOD	6,610	Torpedoed, U.S. Tanker, Sailed Norfolk 29/6 Port Arthur,

ATTACKS ON CONVOYS

From May 12th, when two unescorted ships were torpedoed southwest of Anticosti Island, no attacks on shipping in the St. Lawrence occurred until July 6th when QS 15 was attacked.

Convoy QS 15

At 0530Z/6 convoy QS 15 (Quebec to Sydney) was attacked by one or more enemy submarines 8 miles off Cape Chat and the "HAINAUT" and "ANASTASIOS PATERUS" were torpedoed and sunk. The "DINARIC" was also torpedoed but remained afloat and H.M.C.S. "CHEDABUCTO" was despatched from Gaspe to tow her to St. Anne Bay. "DINARIC" finally sank at 1755Z/9 in position 49°28' N, 65°38' W.

H.M.C.S. "DRUMMONDVILLE" escoring QS 15 sighted a submarine during the attack, endeavoured to ram and carried out a depth charge attack. The submarine was believed damaged. The convoy continued to Sydney escorted by "DRUMMONDVILLE", "RACCOON" and Q.050.

H.M.C.S. "CLAYOQUOT", "BURLINGTON", "VILLE DE QUEBEC", "KAMLOOPS", "ELK", "VISON" and "GRANBY" together with Q.053, Q.055, Q.056, Q.057 and Q.061 were despatched to carry out A/S sweeps between Bic Island and Gaspe and in the Gulf of St. Lawrence. All river sailings were immediately stopped until the situation clarified.

At 1710Z /7 a shore watcher sighted a submarine off Seven Island Bay and at 2100Z/7 an R.C.A.F. Hudson carried out an attack on a submarine in the same locality. H.M.C.S. "KAMLOOPS", "PORT ARTHUR", "VILLE DE QUEBEC" and "GRANBY" were immediately despatched to the scene.

Convoy BX 27

On July 3rd Convoy BX 27 was attacked at 0930 and the "ALEXANDER McCOMB", a straggler from convoy BX 27

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was sunk. An attack on the submarine was carried out by H.M.S. "VETERAN" and H.M.S. "LE TIGRE" in approximate position 041°40' N 066°52' W between 1100Z/3 and 1300Z/3. The submarine was believed damaged or possibly destroyed.

COUNTER ATTACKS

An enemy submarine was attacked by aircraft in position 047°37' N 052°14' W at 2226Z/2. H.M.C.S. "KAMSACK" and "MIDLAND" were ordered to proceed to this position with all despatch to assist. No further report was received.

"COMINCH" reported a plane attacked a submarine in position 018°56' N 063°00' W at 1111Z/3 without definite results.

Cominch Gulf Sea Frontier reported that a plane attacked a submarine on the surface in position 021°43' N 085°46' W at 0845Q/5. Two charges were dropped and a slight amount of oil was observed. Nothing further has been heard.

"COMINCH" reported an army plane sighted a U-Boat fully surfaced in position 013°50' N 072°20' W at 1334Z/6. The plane attacked with four depth charges and attack was reported as being probably successful.

PACIFIC COAST

N.C.S.O. San Francisco reported that a U-Boat was sighted by both army and navy observers 177°7½ miles from Point Loma Light at 0105Z/2. Two submarine chasers were despatched and attacked contact with depth charges.

An R.C.A.F. Aircraft carried out an attack on a U-Boat at 1757/7, 150 miles northwest of Prince Rupert and is reported to have scored a direct hit, an oil patch being observed.

It is now reported that the submerged mines sighted by a U.S. Blimp off California on June 29th were jellyfish.

Aleutians

Air reconnaissance off the western Aleutians July 2nd revealed a battleship and large cruiser at Attu and 3 cruisers and a transport at Kiska. On the same day a force of 5 destroyers and 3 transports were sighted and bombed in Macdonald's Cove Agattu Island.

At 1840Z/4 a U.S. submarine attacked 3 destroyers off Kiska Harbour sinking two and setting the third on fire. The submarine was heavily bombed and received slight damage. The shallow water outside the harbour has been mined.

On July 6th another destroyer was attacked and believed sunk by a U.S. submarine off Kiska.

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A Japanese destroyer was sunk by a U.S. submarine at 0340Z/5 off Agattu.

H.M.C.S. "PRINCE DAVID", "PRINCE ROBERT" departed Esquimalt in company at 2255Z/2 to patrol West coast Vancouver Island and Queen Charlotte Island. "PRINCE DAVID" reported development of defects in refrigeration plant endangering 3 months supply of fresh provisions, and returned to Esquimalt on July 6th to effect repairs etc.

Three suitable fishermen's reserve vessels are to be allotted by C.O.P.C. for conversion to Coil Skid Towing vessels and are to be fitted with equipment from Halifax.

GENERAL

Following the attack on QS 15 N.O.I.C., Sydney detailed "GRANBY", "ELK", "VISON", Q.055, Q.056, Q.057 and Q.061 for temporary duty with the Gaspe force. These ships are to be used to carry out A/S Sweeps along the Gulf convoy route and to augment convoy escorts.

Consequent on the loss of P514 it has been arranged that P554 will be based at St. John's for A/S training in Newfoundland. P544 is at present at New London and is expected to be available on July 10th. H.M.C.S. "AMHERST" will be sent to New London to escort the submarine to Newfoundland. Admiralty have also agreed that R. Netherlands S/M O.15 will remain at Halifax for A/S training until relieved by P553.

NEW CONSTRUCTION

No newships were commissioned during the week.

Six Fairmiles and one R.N. minesweeper are completing or doing armament trials in the Great Lakes - St. Lawrence area. Four Fairmiles are on route Halifax for working up.

Four Corvettes, one Minesweeper and eleven Fairmiles are working up on the east coast.

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4. WORKS

SUPERINTENDENT OF BOOM DEFENCE

Since the Base Personnel at Sydney, N.S. are thoroughly familiar with A/T Assembly work and since this base is the closest port of departure to Newfoundland, it has been decided to use Sydney as an Assembly Port for all material going to Bay Bulls. The Inspector of Booms East Coast is at present superintending the work of preparing the equipment and material for shipment.

Following the inspection of U.S.N. Boom Defence Bases in Puget Sound by the Inspector of Booms West Coast and the Boom Defence Officer Prince Rupert, B.C., a full report of their findings was placed on File N.S. 1053-1-4.

DIRECTOR OF A/S

A visit from two Officers of the R.N. Anti-Submarine Branch to Ottawa proved to be of mutual interest and help.

It has been decided that the whole project of fitting Asdics in Bassett Class Minesweepers be dropped, since it would be unsatisfactory to fit an adequate number of depth charges on the sterns of ships without removing the M/S gear.

DIRECTOR OF DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections in Canadian ports this week numbered 134 in connection with D.E.M.S. and 129 in connection with D.G. Six ships were degaussed in United States Ports.

Three ships are a lso in hand for gun mounting at Esquimalt.

SENIOR TECHNICIAN: TECHNICAL DIVISION

As a temporary measure to provide magnetic minesweeping on the West Coast, the Naval Staff decided to provide coil skid sweeps. Arrangements are under way to secure the necessary electrical equipment.

Details of a considerable part of the equipment for Bomb Disposal were finished during the course of the week; orders are being placed with manufacturers.

INSPECTOR OF CONTRACT BUILT SHIPS

Trials are scheduled for the latter part of the week for the Minesweeper H.M.C.S. "KENORA", and the Base Supply Ship, H.M.C.S. "PRESERVER".

STORES

The equipment purchased by the Naval Stores amounted this week to $488,402.80.

CHIEFS OF STAFF COMMITTEE
11th July
1 9 4 2

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

C179797

HQ.S. 5199-U, Vol. 24
Ottawa, 18th July, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 141

(For week ending 18th July)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	12	0	484	3,488	496	3,487
RCNR	3	13	853	4,349	855	4,355
RCNVR	111	458	3,239	28,013	3,349	28,442
TOTAL	126	471	4,576	35,850	4,700	36,284

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	1	2
Discharges (a) Med. Unfit	1	12	13
(b) Other Reasons	0	24	24
TOTAL	2	37	39

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	0	0
TOTAL	0	1	1

2. CASUALTIES

(a) John E. DIAMOND, Lieut., R.C.N.V.R., missing on Active Service.

(b) A.M.K. DAVIES, P.O. Writer, V15145, Accidentally drowned 12.7.42.

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	431	487
Other Deaths	8	58	66
TOTAL.	64	489	553
Wounded or Injured . . .	4	67	71
Prisoners of War	3	1	4

3. OPERATIONS DIVISION

U-Boat Activities

Attacks by U-Boats during the past week have been comparatively few and total tonnage of shipping reported lost has been less than in any one week since the enemy stepped up the U-Boat operations against shipping on this side of the Atlantic at the beginning of the year.

Four out of the ten ships reported sunk were tankers and all were unescorted. Three were lost in the Caribbean, four in the Gulf of Mexico, two along the Atlantic coast and one in the Western Atlantic.

The total tonnage and number of ships reported sunk during this period is shown below together with the previous three weeks for comparison.

Week ending	Cargo	Tankers	Total	Tonnage
25th June	15	2	17	67,500
2nd July	18	5	23	129,900
9th July	20	2	22	99,600
16th July	6	4	10	56,900
Total for 4 weeks	59	13	72	453,700

The following list gives particulars of the ships sunk on which information has been received during the past week.

Time	Position	Name	Tons	Remarks
/24	--	WILLIAMANTIC	4,857	Sunk, British Cargo, sailed Capetown 29/5 New York.
0722/25	25° 12' N 55° 31' W	ANGLO CANADIAN	5,268	Torpedoed, sunk, British cargo, sailed Capetown 3/6 to Baltimore.

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Time	Position	Name	Tons	Remarks
2059Z/27	38° 03' N 70° 52' W	MOLDANGER	6,827	Torpedoed, sunk, Nor. Cargo, sailed Buenos Aires 8/6 New York.
/6	21° 45' N 86° 40' W	LALITA	-	Shelled, sunk, Cuban fishing schooner no record.
1314Z/9	23° 54' N 82° 33' W	NICHOLAS CUNEO	1,051	Attacked, on fire, Honduras cargo, sailed New Orleans 6/7 Havana.
/10	29° 59' N 90° 20' W	BENJAMIN BREWSTER	5,950	Torpedoed, sunk, U.S. Tanker in Tampa 1/5.
/11	11° 28' N 60° 23' W	STANVAC PELEMBANG	10,444	Torpedoed, Panama Tanker, sailed Santos 28/6 PORT of Spain.
/11	20° 00' N 70° 00' W	CARMEN	-	Sunk by submarine San Domingo, Arrived San Juan 26/6.
2355Z/15	34° 47' N 75° 30' W	J.A. MOWINCKEL	11,147	Torpedoed, Panama Tanker, sailed Norfolk 14/7.
0555Z/15	24° 05' N 82° 42' W	PENNSYLVANIA SUN	11,394	Torpedoed, sunk, U.S. Tanker, Sailed Beaumont 12/7 Belfast.

The following ship was attacked by U-Boats but no further word as to the result of the attack has been received.

/14	18° 57' N 74° 55' W	WESTERN QUEEN	5,853	Torpedoed, missed U.S. Cargo, sailed San Juan 11/7 Guantanamo.

Attacks on Convoys

No attacks on coastal or Atlantic convoys have been reported during the week.

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Counter Attacks

At 2100Q/10 a U.S. plane attacked a U-Boat in position 029° 45' N 088° 10' W. The plane claimed one direct hit out of four bombs dropped.

A U.S. Navy plane sighted and attacked an enemy U-Boat in position 010° 18' N 081° 45' W at 0925Z/12. No reports were received of the results.

A U.S. coast guard plane sighted a U-Boat at periscope depth at 2050Z/12 in position 035° 38' N 074° 54' W. A depth charge was dropped and an oil slick appeared on the surface of the water.

An army bomber attacked a U-Boat in position 037° 34' N 074° 41' W at 2244Z/12. Four depth charges were dropped but no results were reported.

"COMINCH" reported that a plane sighted a U-Boat at 1511Q/13 in position 035° 52' N 072° 11' W. The plane dropped six depth charges across the bow with the conning tower still visible.

"COMINCH" reported that a U.S. army plane sighted a U-Boat in position 038° 24' N 074° 02' W at 2135Z/13. Three depth charges were dropped, but no results observed.

A U-Boat was sighted and attacked by a U.S. army training patrol flight plane at 1548Q/13 in position 026° 15' N 083° 20' W with unknown results.

H.M.C.S. "ST. FRANCIS" while escorting HX 197 reported an asdic contact classified as a U-Boat, gained at 1400Z/13 in position 056° 14' N 28° 40' W. Five attacks were carried out. No definite results were obtained and the hunt was abandoned at 0001Z/14.

Gulf of St. Lawrence

An Aircraft sighted a U-Boat off Scatari Island proceeding in direction of Mainadieu Passage at 0020Z/9. H.M.C.S. "BRANTFORD" and "WOODSTOCK" were despatched to carry out an A/S search of the area.

R.C.A.F. patrol plane received a signal from escort of HS 22 at 0030Z/9 in 046° 03' N 059° 25' W requesting plane carry out search 160° to 195° distance 10 miles. Message stated that a U-Boat was believed to have made a sighting report.

A shorewatcher reported a U-Boat off Matane, position 48° 55' N 67° 31' W at 2100Z/12. H.M.C.S. "RACCOON" was despatched from Gaspe to strengthen escort of QS 17. H.M.C.S. "CHEDABUCTO" was despatched to patrol Gaspe Passage to Point des Monts.

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A report was received from Anticosti Island at 1815Z/13 that a crude oil motor heard from westerly direction in the vicinity of 049° 05' N 062° 30' W. R.C.A.F. Gaspe despatched a plane at 2141Z/13, but fog forced the plane to return to the base before reaching its objective.

An R.C.A.F. plane reported sighting a U-Boat off the mouth of the Saguenay at 1545Z/14. H.M.C.S. "CHEDABUCTO", "GRANBY", Q.085, Q.083, and Q.065 were despatched to investigate.

At 1000Z/15 a shorewatcher reported sighting a U-Boat in position 48° 38' N 68° 13' W. An R.C.A.F. aircraft carried out a search of the area without result.

PACIFIC COAST

Patrols of the West coast are being carried out regularly by all available ships based at Esquimalt and Prince Rupert.

During the launching of Steamship "FORT KELLY" at Esquimalt on 9th July at 1800 DST the cable parted and vessel crossed the harbour striking stern first into H.M.C.S. "TIMMINS" The damage to "TIMMINS" was not believed extensive and estimated time to effect repairs will be one week.

Aleutian Waters

Bad flying weather prevailed in the Aleutian area during the week. On July 11th a cruiser, a destroyer and several large flying boats were sighted in Kiska Harbour.

Reports indicate that the majority of the heavy force composed of Battleships, Aircraft Carriers, Heavy and Light Cruisers are retiring from the northern Pacific area to home waters.

HA -- AH Convoys

Six corvettes are to be released from HA--AH convoys and will be used to augment the Gulf escort forde. This will leave six corvettes for the Tanker escort force.

Gulf Escort Force

The Gulf Escort Force is to be operated in five groups with sufficient ships at Gaspe for taking offensive action and backing up convoys which are under attack. The proposed composition of the five groups is:

1st Group	1 Corvette	1 Bangor M/S	2 Fairmiles
2nd Group	1 Corvette	1 Bangor M/S	2 Fairmiles
3rd Group	1 Corvette	1 Bangor M/S	2 Fairmiles
4th Group	1 Corvette	1 Bangor M/S	1 Yacht
5th Group	2 Corvettes	1 Bangor M/S	--

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GENERAL

The postponement of HA 2 until July 24th due to reduction in escort force may involve a shortage of oil at Halifax. The task unit which escorted HA 1 will proceed to Trinidad with "BRITAMSEA", "FORT BARSTOW" and "CHRISTY PAYNE" and return with them to Curacao when loaded. AH 1 is then to be sailed from Curacao on 24th July and will consist of 12 tankers.

S.S. "POTTER" was reported at 1020Z/14 to be adrift in position 044° 33' N 060° 08' W. H.M.C.S. "MIDLAND" was sent from Halifax to contact at 2100Z/14 and tug "FOUNDATION FRANKLIN" escorted by H.M.S. "VANOC" sailed at 0300Z/15 to take "POTTER" in tow. "POTTER" subsequently arrived Halifax.

H.M. Submarine P.512 and H.M. Submarine P.553 are to become tenders to, and will be operated by H.M.C.S. "CORNWALLIS" H.M. Submarine P.554 will become tender to H.M.C.S. "AVALON" and will be operated by F.O.N.F.

Admiralty has requested that F.N.F.L. "ACONITE" the only Free French Corvette remaining in Canadian escort Forces be transferred to the Free French base at Greenock U.K.

NEW CONSTRUCTION

H.M.C.S. "PRESERVER" first to complete of the two Base Supply ships that have been under construction for the R.C.N. was commissioned on July 11th. This was the only commissioning during the week. "PRESERVER" is a combined oiler and depot ship and is designed particularly with a view to acting as mother ship to Fairmiles. She has ample oil and gasoline carrying capacity and in addition is fitted with a machine shop, stores, sick bay, accommodation for spare crews etc.

" PRESERVER" will go to Halifax for storing and working up and will then be based at St. John's, Newfoundland.

It is hoped that "PROVIDER", her sister ship, will complete in the late summer or early autumn.

At Toronto are two Fairmiles; at Montreal one Fairmile, and R.N. minesweeper and "PRESERVER"; at Quebec two Fairmiles and en route Halifax five Fairmiles and a corvette.

Working up on the east coast are eleven Fairmiles and two corvettes.

TRADE DIVISION

A convoy comprised of 33 ships of which 9 were British, 5 U.S., 8 Norwegian, 4 Panamanian, 1 Yugo Slav, 2 Icelandic, 1 Russian, 1 Dutch, 1 Belgian, 1 Honduras, sailed from Sydney on July 10th under the A/S Escort of H.M. Ships "FIREDRAKE", "CHESTERFIELD", "SUNFLOWER", "KINGCUP", "ALSINA", "LOOSESTRIFE".

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A convoy comprising 29 ships of which 14 were British, 8 U.S., 2 Dutch, 2 Panamanian, 1 Greek, 1 Belgian, 1 Russian sailed from Halifax on July 12th.

There was one independent trans-ocean sailing from Atlantic Coast.

4. WORKS

NAVAL ORDNANCE

During the past two weeks the work of this Directorate has been proceeding along the following lines:-

(a) Contract Demands have been raised for the necessary ammunition required in the arming of Frigates and Corvettes with 4" Mark XIX Guns, and for an equal reserve supply of such ammunition.

(b) The necessary stores for Bomb Disposal by demolition have been ordered. These will be obtained in Canada, but will be similar to those obtained in England.

(c) Arrangements have been made for the placing of orders overseas in the United Kingdom for the armament of the 3rd and 4th Tribal Destroyers.

(d) In conjunction with the British Admiralty Technical Mission, this office is endeavouring to set up a system to facilitate the execution of large orders for ammunition which have been, and will be, placed in Canada.

BOOM DEFENCE

The work of preparing and assembling A/T Material for Bay Bulls, Nfld. is progressing satisfactorily.

Soundings were taken every ten feet along the seaward line of the Net at Shelburne, N.S. and results have been forwarded to Headquarters.

A Mooring was laid at Prince Rupert, B.C. for H.M.C.S. "YORKHOLM", seaward of the A/S Boom and eastward of G.V.5.

DEGAUSSING

During the past two weeks D.G. work has been carried out on 45 ships and 11 others were depermed at Halifax. A Financial Encumbrance of $60,000 has been requested for the equipping of the Mobile Deperming Unit to be established at Vancouver.

An estimate of the amount of cable to be used for degaussing ships of new construction was forwarded to D.N.S.

It has been decided that the cost of compass adjusting of Canadian ships is to be charged to the Canadian Government only when made necessary by D.G. defects.

In order to insure adequate delivery of 198 low voltage generator sets for New Construction Merchant Vessels, an

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effort is being made to obtain the essential higher priority rating for the contract.

ANTI-SUBMARINE BRANCH

Attention has been given to training and manning problems at the A/S Schools at Halifax and Esquimalt, and a staff complement for each of the schools has been set up.

During the week Officers of the Directorate visited Westdale and Hamilton Technical Schools to review the training currently under way and to secure information for the establishing and equipping of the new A/S School.

The matter of establishing a New Training Establishment at Digby is still under consideration, as Director of A/S has reported to Staff that the vicinity chosen will probably not be satisfactory.

It has been decided to abandon the securing of any type of "Blinker" Targets from the U.K.

TECHNICAL DIVISION

The National Research Council Staff have now completed their part in connection with the installation of N.R.C. type "LL" Sweeping Gear in the two 105' Wooden Minesweepers.

The first consignment of U.S. Bomb Disposal equipment has been received, some of which has been shipped to the West Coast.

Specifications have been prepared for Rubber Sheet Packing, resulting in a reduction in crude rubber content of over 30%.

The following general tests (Research) were carried out:-

1. "Slipit" - Lubricating material claimed to prevent sticking of doors, window sashes, metal on metal surfaces, etc.
2. Ensign Products - Rope Preserver and Metal Preserver.
3. Examination of boiler tubes from H.M.C.S. "SHERBROOKE".

CONTRACT BUILT SHIPS

During the week Trials were scheduled for two Minesweepers, one Fairmile, the Base Supply Ship H.M.C.S. "PRESERVER", and for the first 40' 0" Tug. It is expected that the latter will be shipped to Halifax.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week in Canadian Ports numbered 155 in connection with D.E.M.S. and 150 with D.G. Two ships are in

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hand at Esquimalt for gun mounting and one at Saint John, N.B. for hand arming.

Five ships are reported to have been degaussed in United States Ports.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $680,628.74.

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 24
Ottawa, 25th July, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 142

(For week ending 25th July)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	0	0	496	3,487	493	3,486
RCNR	6	16	855	4,355	860	4,363
RCNVR	33	700	3,349	28,442	3,382	29,115
GRAND TOTAL	39	716	4,700	36,284	4,735	36,964
LESS DIV. STR.	—	—	———	———	319	2,238
TOTAL ACTIVE SERVICE					4,416	34,726

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
Discharges (a) Med. Unfit	0	8	8
(b) Other Reasons	4	26	30
TOTAL	4	36	40

(c) Transfers between Services:

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2. CASUALTIES

(a) William WALLACE, Teleg., V17063, Presumed killed 4.7.42.

(b) Peter BUCZOUSKI, Stoker II, V16331, Died 16.7.42.

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	432	488
Other Deaths	8	59	67
TOTAL	64	491	555
Wounded or Injured . . .	4	67	71
Prisoners of War	3	1	4

3. OPERATIONS DIVISION

U-BOAT ACTIVITIES

While attacks by U-Boats during the past week have increased the total tonnage of shipping lost remains about the same as the average weekly loss for the past 2 months.

The following table indicates the areas in which the merchant vessels reported sunk during the week, were lost.

	No. of Ships
Aleutian Waters	2
St. Lawrence	2
Atlantic Coast	2
Western Atlantic	4
Mid Atlantic	1
Caribbean Waters	7
Gulf of Mexico	4
Unknown	1
	23

Four of these vessels were tankers. With the exception of 1 ship sunk by collision in the St. Lawrence and one ship in Convoy QS 19, all vessels were unescorted.

During the week ending July 23rd, Canadian warships escorted a total of 247 merchant ships in Coastal Convoys and in convoys to the United Kingdom with the loss of 1 merchantman.

The total tonnage and number of ships reported sunk during this period is shown below together with comparative figures for the previous three weeks;-

Week ending	Cargo	Tanker	Total	Tonnage
2nd July	18	5	23	129,900
9th July	20	2	22	99,600
16th July	6	4	10	56,900
23rd July	19	4	23	92,200
Total for 4 weeks	63	15	88	378,600

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The following list gives particulars of the ships sunk on which information has been received during the past week.

TIME	POSITION	NAME	TONS	REMARKS
/24 May	N.K.	ZURICHMOOR	4,455	Presumed lost, British cargo. Sailed Halifax 21.5.5 St. Thomas
/5 June	50° 14' N 39° 12' W	MARIA DAGLORIA	270	Shelled, sunk. Portuguese.
/28	29° 30' N 64° 30' W	RAPHAEL SEMMES	6,027	Torpedoed, sunk, U.S. cargo, sailed Trinidad 21/6 New York.
/4 July	20° 22' N 86° 05' W	TUAPSE	6,320	Torpedoed, sunk, Russian tanker.
/9 July	11° 32' N 60° 17' W	CAPE VERDE	6,914	Torpedoed, sunk, British cargo, sailed Capetown 15/6 New York.
/9	26° 11' N 55° 40' W	SANTA RITA	6,085	Torpedoed, sunk, U.S. cargo, sailed Capetown 24/6 Philadelphia
/12	18° 15' N 81° 54' W	TACHIRA	2,325	Torpedoed sunk, U. S. cargo, sailed Barranquilla 10/7 New Orleans.
0112/3	23° 32' N 81° 02' W	ANDREW JACKSON	5,990	Torpedoed, U.S. cargo, sailed Cristobal 6/7 Key West.
1600Z/13	20° 12' N 74° 05' W	ONEIDA	2,309	Torpedoed, U.S. cargo sailed Baracoa 11/7.
/13	28° 50' N 91° 05' W	R.W. GALLAGHER	7,986	Torpedoed, sunk, U.S. tanker.
/14	35° 16' N 75° 32' W	BLUE FIELDS	2,063	Torpedoed, sunk, Nicaragua, Cargo, sailed Norfolk 14/7 Havana.

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TIME	POSITION	NAME	TONS	REMARKS
/15	53° 35' N 157° 45' W	ARCATA	2,722	Shelled, sunk, U.S. cargo sailed San Francisco 17/8 Goodness Bay.
0600Z/15	53° 41' N 157° 40' W	BUENA VENTURA		Shelled, sunk, no information.
0713Z/16	10° 59' N 61° 10' W	BEACON LIGHT	6,926	Torpedoed, sunk, Pan. tanker sailed Capetown 21/6 Trinidad.
/16	27° 10' N 64° 35' W	FAIRPORT	7,400	Torpedoed, sunk U.S. cargo, sailed New York 13/7 Recife.
/16	23° 32' N 82° 00' W	GERTRUDE	N.K.	Sunk, U.S. Fishing Boat, no information.
/18	10° 50' N 58° 58' W	GLACIER	N.K.	Shelled, British Schooner.
1527Z/18	10° 58' N 61° 20' W	CARMONA	5,496	Torpedoed, sunk Pan. cargo, sailed Buenos Aires 27/6 Trinidad.
/19	35° 00' N 75° 45' W	KESHENA	427	Sunk by mines, U.S. cargo Sailed Columbo 12/7 Bombay.
0630Z/19	47° 24' N 70° 26' W	HAVORN	1,527	Sunk in collision, Nor. cargo sailed Sorel 3/7 Montreal.
1517Z/19	37° N 52° W	LEONIDAS M	4,574	Abandoning ship, Greek, arrived Laurenzo Marques.
1810Z/20	49° 22' N 65° 12' W	FREDERICKA LENSEN	4,283	Torpedoed, British cargo sailed Quebec 19/7 Sydney convoy Q.S.19.

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TIME	POSITION	NAME	TONS	REMARKS
0840Z/21	10° 56' N 61° 10' W	DONOVANIA	8,150	Torpedoed, British tanker sailed Lagos 5/7 Port of Spain.

The following ships were attacked by U-Boats but no further word as to the result of the attacks has been received.

2355/15	34° 47' N 75° 30' W	CHILORE	8,310	Attacked still afloat U.S. cargo, sailed Norfolk 14/7 Port of Spain.
1545/17	53° 21' N 161° 10' W	FELIX DZERGINSKY	3,767	Shelled, Russian cargo.

ATTACKS ON CONVOYS

CONVOY Q.S.19

At 1810Z/20 Convoy Q.S. 19 escorted by H.M.C.S. "WEYBURN", "CHEDABUCTO", Q.050, Q.059, Q.064 and Q.074 was reported attacked off Cape Magdalen in position 049° 22' N 065° 12' W. The S.S. "FREDERICKA LENSEN" was torpedoed and towed to Grand Vallee Bay but was subsequently found to be unsalvageable.

It has been suggested that the damage may have been caused by an internal explosion rather than by a torpedo.

H.M.C.S. "WEYBURN" and H.M.C.S. "CHEDABUCTO" with Q.059, Q.064, Q.074 were detailed to round up Q.S.19 and proceed to Sydney. Stragglers were to proceed to Gaspe.

H.M.C.S. "NIPIGON", "SUMMERSIDE", and "LETHBRIDGE" from convoy S.Q.21 and H.M.C.S. "DRUMMONDVILLE" and "CHARLOTTETOWN" from Gaspe were despatched to form a hunting and searching group. "CLAYOQUOT" relieved H.M.C.S. "WEYBURN" to screen and protect "FREDERICKA LENSEN" and to assist in rescue operations with Q.050, Q.054 and Q.083.

COUNTER ATTACKS

Acting on a sighting report of shore watcher of a U-Boat off Seven Islands, at 2056Z/7, a Hudson sighted a U-Boat on the surface and carried out a depth charge attack from 40 feet bracketing the U-Boat which was at periscope depth. A scum of yellow oil was subsequently observed.

Four different attacks were carried out by U.S. planes and two by U.S. Warships on U-Boats sighted in American Coastal waters during the week. No definite results of the attacks have been reported.

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U-BOAT SIGHTINGS

During the week various reports of U-Boats sightings in the Gulf of St. Lawrence and one in the Bay of Fundy off the mouth of the St. John River were received from shore watchers and fishermen.

All reported sightings were investigated without result.

PACIFIC COAST

There is nothing of particular interest to report from the West Coast during the past week. Regular patrols are being carried out by ships from Esquimalt and Prince Rupert.

ALEUTIAN WATERS

Three ships were attacked by Japanese submarines during the past week, about 150 miles East of Dutch Harbour. Two of the ships were shelled and sunk. The third, the Russian "FELIX DZERGINSKY" was also shelled but the submarine dived on the approach of a P.B.Y.

Three more Japanese destroyers were sunk off Kiska by U.S. submarines during the week. Bad weather continued to hamper flying but observations on July 18th indicated 3 cruisers, 4 destroyers, several transports and large seaplanes at Kiska. A new camp on the south side of the harbour with indication of runway being built was also observed.

TRADE DIVISION

A convoy comprising 41 ships of which 19 were British, 9 Norwegian, 7 Dutch, 1 Greek, 1 Swedish, 1 U.S., 1 Yugo Slav, 1 Panamanian, 1 Belgian sailed from Sydney on July 17th under the A/S Escort of H.M. Ships "HURRICANE", "DAHLIA", "WALLFLOWER", "ANCHUSA", "SNOWFLAKE".

A convoy comprising 30 ships of which 14 were British, 6 U.S., 6 Norwegian, 1 Dutch, 2 Panamanian, 1 Honduras, sailed from Halifax on July 19th under the A/S Escort of H.M. Ships "HIGHLANDER", "WINCHELSEA", "ASPHODEL", "CLOVER", "BORAGE", "OXLIP".

There were no independent trans-ocean sailings this week.

GENERAL

L.27 H.M. Submarine for A/S training duties in Newfoundland leaves New London about 30 July. Necessary arrangements for the provision of surface escort if practical are to be made direct with U.S. and R.N. authorities.

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H.M.S. "PARRSBORO" and "WEDGEPORT" two of the Bangor Class Minesweepers built in Canada for the R.N. departed St. John's, Newfoundland on July 21st for the U.K.

"HAVORN" (Nor.) which was to have sailed with Q.S.19 from Father Point 2200Z/19 sank in collision off Isle Aux Coudres.

NEW CONSTRUCTION

No new vessels were commissioned during the week but four Bangor Minesweepers are scheduled to complete before the end of the month.

Ten steam and six diesel Bangor Minesweepers, two Motor Minesweepers, 18 Fairmile Motor Launches, one Base Supply Ship and (in U.K.) two Tribal Destroyers remain to complete before the end of the year.

Two partly completed Fairmile Hulls (C.N.412 and 413) were destroyed by fire at Midland, Ont. on July 14th when a construction shed of the Midland Boat Co. was burnt down. Some stores and fittings were also lost. However the builders believe that the contract can still be fulfilled before freeze-up.

4. WORKS

BOOM DEFENCE

Assembly and shipping of materials for Bay Bulls is progressing satisfactorily and on completion of preliminary work all Vessels and Equipment will be sailed from Sydney to Bay Bulls under escort. The equipment is now being assembled at Sydney and Gaspe.

At Esquimalt the moving of Stores and Equipment from the Dockyard to the new site is progressing satisfactorily.

DEGAUSSING

During the past week D.G. work was carried out on 30 ships and 3 others were depermed.

27,000 yards is an estimate of the amount of D.G. cable that will be required for a low voltage system in 4,700 ton Cargo vessels.

Thirty sets of compass corrector coils have been placed on order to replenish stock at Esquimalt and Halifax,

ANTI-SUBMARINE BRANCH

Under the direction of the Director of A/S., Superintendent of Boom Defence has completed the structural design drawings for a 150' timber submarine target.

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Approval was given in Naval Staff minute 105-1 for the fitting of housing domes in single screw corvettes not yet constructed.

Work is proceeding in connection with the A/S Fixed Defences on the West Coast, preliminary plans having been drawn up for the Stations at Prince Rupert and Straits of Juan de Fuca. Equipment has been ordered for these two Stations and for the Vancouver H.D.A. Station.

CONTRACT BUILT SHIPS

Trials were carried out with three Minesweepers, H.M.C.S. "DIGBY", "KENORA", and "PORT HOPE".

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week in Canadian Ports numbered 149 in connection with D.E.M.S. and 147 in connection with D.G. As regards arming etc., 5 ships are in hand at Esquimalt, 2 at Montreal, 1 at Saint John, and 1 at Quebec.

In addition, 9 ships were degaussed in United States Ports.

TECHNICAL DIVISION

A report on his visit to the U.K. in connection with Chemical Warfare has been submitted by an Officer of the Branch, and copies distributed to those interested.

Work is proceeding on a set of Gas Lectures, using material recently obtained from U.K. Naval Gas Schools.

Miscellaneous Tests carried out at National Research Council:-

1. Rope Preservers
2. Rust preventatives
3. High acceleration shock test and load test of a fixed degaussing resistor (Amalgamated Electric).

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,006,117.80.

CHIEFS OF STAFF COMMITTEE
25th July
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DEPARTMENT OF NATIONAL DEFENCE C179814

HQ.S. 5199-U, Vol. 24
Ottawa, 1st August, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 143

(For week ending 1st August)

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1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	4	0	493	3,486	497	3,486
RCNR	8	27	860	4,363	868	4,390
RCNVR	28	655	3,382	29,115	3,410	29,731
GRAND TOTAL	40	682	4,735	36,964	4,775	37,607
LESS DIV. STR.	—	—	319	2,238	365	2,307
TOTAL ACTIVE SER.			4,416	34,726	4,410	35,300

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	8	8
(b) Other Reasons	0	31	31
TOTAL	0	39	39

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	2	2
TOTAL	0	3	3

2. CASUALTIES

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	432	488
Other Deaths	8	59	67
TOTAL	64	491	555
Wounded or Injured	4	67	71
Prisoners of War	3	1	4

3. OPERATIONS

U-BOAT ACTIVITIES

Attacks by U-Boats during the past week have been few and the total tonnage sunk is the lowest reported in the last three months. Included in the total are three small fishing schooners that were shelled and sunk, two off the Nova Scotian Coast and one in the West Indies.

The following table indicates the areas in which the merchant ships reported sunk during the week were lost.

	No. of Ships
West Indies	2
Gulf of Mexico	3
Caribbean Waters	2
Atlantic Coast	3
Mid Atlantic	1
	11

No tankers were reported sunk during the week. With the exception of two ships in convoy ON 113, all vessels lost were unescorted. Canadian Warships escorted a total of 287 merchant vessels in coastal and Atlantic Convoys during the week.

The total tonnage and number of ships reported sunk during the period is shown below together with comparative figures for the previous 3 weeks:-

Week Ending	Cargo	Tankers	Total	Tonnage
9th July	20	2	22	99,600
16th July	6	4	10	56,900
23rd July	19	4	23	92,200
29th July	11	-	11	33,500
Total for 4 weeks	56	10	66	282,200

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The following list gives particulars of the ships sunk on which information has been received during the past week.

TIME	POSITION	NAME	REMARKS	TONS
/29 June	25° 33' N 57° 53' W	TYSA	Torpedoed, sunk, Dutch cargo sailed Capetown 7/6.	5,327
/18 July	25° 00' N 82° 20' W	BAJA CALIFORNIA	Torpedoed, sunk, Hond. cargo, sailed New Orleans 15/7 Key West.	1,649
2100Z/18	11° 35' N 59° 35' W	COMRADE	Sunk, Br. Schooner, no information.	110
1615Z/19	23° 39' N 84° 00' W	PORT ANTONIO	Sunk, Nor. Cargo sailed Barrios 17/7 Tampa.	1,266
0030Z/24	23° 38' N 79° 13' W	ONONDAGA	Sunk, U.S. cargo sailed Nuevitas 22/7 Havana.	2,310
0700Z/25	42° 44' N 65° 38' W	LUCILE M	Sunk by gunfire from submarine. Fishing schooner.	54
0601Z/26	47° 08' N 42° 57' W	EMPIRE RAINBOW	Torpedoed, sunk, Br. cargo, sailed U.K. Convoy ON 113 for Halifax.	6,942
/26	11° 34' N 60° 30' W	TAMANDARE	Torpedoed, sunk, Braz. cargo, sailed Pernambuco 16/7 La Guavia.	4,942
/26	28° 23' N 96° 08' W	OAXACA	Torpedoed, sunk, Mex. passenger, sailed New Orleans 23/7 Tampico.	4,174
0700Z/28	43° 20' N 63° 40' W	EBB	Sunk by gunfire, U.S. Small Schooner.	
2311Z/29	43° 30' N 60° 35' W	PACIFIC PIONEER	Torpedoed, sunk, British cargo, sailed U.K. ON 113 for New York.	6,734

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The following ships were attacked by U-Boats but no further word as to their fate has been received.

/17 July	11° 00' N 60° 20' W	SAN GASPAR	Torpedoed, being towed, Br. Tanker arrived Trinidad 22/7.	12,910
0159Z/25	48°57' N 40° 16' W	BROOMPARK	Torpedoed, afloat British cargo sailed U.K. from New York in Convoy ON 113.	5,136
0159Z/25	48° 57' N 40° 16' W	BRITISH MERIT	Torpedoed, still afloat British tanker sailed U.K. ON 113.	8,100
0505Z/29	27° 27' N 70° 50' W	MORMACSTAR	Attacked, U.S. Cargo sailed Cristobal 24/7 New York.	7,773
2311Z/29	43° 31' N 60° 38' W	CONVOY ON 113	Attacked, Signal from S.S. "BAGSHOT".	

ATTACKS ON CONVOYS

For 48 hours prior to July 23rd D/F bearings indicated that convoy ON 113 was being shadowed by U-Boats. At 2115Z/23 H.M.S. "BURNHAM" reported a U-Boat on the surface in position 052° 33' N 038° 13' W. H.M.S. "BURNHAM" opened fire but the U-Boat dived after the third round.

The following afternoon H.M.S. "BURNHAM" reported that at 1820Z/24, 2 U-Boats had been sighted on the surface one on either bow 10 miles in position 048° 37' N 040° 38' W and later that H.M.C.S. "ST. CROIX" had sunk a U-Boat in position 048° 12' N 040° 56' W at 2055Z/24.

The first attack on the convoy was made at 0159Z/25 in position 048° 57' N 040° 16' W and two ships the S.S. "BRITISH MERIT" and S.S. "BROOMPARK" were torpedoed. Both ships were considered salvageable, and H.M.C.S. "BRANDON", H.M.S. "POLYANTHUS" stood by until tugs, "FRISKY" and "CHEROKEE" with H.M.C.S. "NAPANEE" and H.M.C.S. "AMHERST" arrived from St. John's.

H.M. Tug "FRISKY" screened by H.M.C.S. "NAPANEE" is now towing S.S. "BRITISH MERIT" to St. John's and U.S. Tug "CHEROKEE" screened by H.M.C.S. "AMHERST" is towing S.S. "BROOMPARK".

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A second attack on the convoy was made in position 047° 08' N 042° 57' W at 0601Z/26 and S.S. "EMPIRE RAINBOW" was torpedoed. Efforts were made to steam the ship to St. John's but she later sank. All members of her crew were taken on board the H.M.C.S. "DAUPHIN".

H.M.C.S. "ST. CROIX" arrived St. John's 27th July and reported the sinking of a U-Boat was confirmed by human remains and wreckage. There were no survivors.

At 2311Z/29 the convoy was attacked a third time by a U-Boat in position 43° 31' N 60° 38' W off Sable Island, and S.S. "PACIFIC PIONEER", was torpedoed and sunk.

COUNTER ATTACKS

H.M.C.S. "WANDERER" escorting ON 111 reported a submarine sighted on the surface in fog in position 041° 03' N 066° 58' W on 23rd July. She reported later that the U-Boat was inside the turning circle and might have been damaged by charges from her throwers.

C.O.A.C. reports aircraft attacked a possible U-Boat in position 051° 37' N 056° 10' W at 1015Z/23. Air bubbles were observed rising to the surface after the attack.

A U-Boat was sighted in vicinity of BX 30 at 0935Z/24 in position 041° 49' N 066° 31' W. Contact was lost in the thick fog. H.M.C.S. "BUCTOUCHE" and "ST. CLAIR" conducted a search but contact was not regained.

Two attacks on U-Boats were made by U.S. Navy planes during the week in American Coastal waters. The results of the attacks were reported as doubtful.

PACIFIC COAST

An R.C.A.F. Hampden on training exercises reported a U-Boat on the surface in position 049° 12' N 123° 40' W at 1700Z/27 July. U-Boat crash-dived on approach of Aircraft. H.M.C.S. "SANS PEUR" and "WOLF" proceeded from Esquimalt to investigate. Investigation proved negative.

H.M.C.S. "PRINCE HENRY" completed refit on July 22nd and is working up at Nanoose. All other available vessels are on patrol on the west coast.

Arrangements have been made for a U.S. Submarine which has just completed a refit at Seattle to be available for A/S exercises for 3 weeks in the Esquimalt area. This is the first opportunity that Canadian A/S vessels on the Pacific Coast have had in exercising with a submarine.

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ALEUTIAN C179819

Foggy weather has restricted flying in the Aleutians, but 8 U.S. Bombers attacked Kiska on July 26th. It is reported that Japanese sub-chasers are en route Kiska.

TRADE DIVISION

A convoy comprising 36 ships of which 17 were British, 6 Norwegian, 4 Panamanian, 3 U.S., 2 Greek, 2 Icelandic, 1 Dutch, 1 Swedish, sailed from Sydney on July 24th under the A/S Escort of H.M. Ships "HARVESTER", "PIORUN", "HEATHER", "ORCHID", "RENONCULE", "ROSELYS".

A convoy comprising 34 ships of which 13 were British, 12 U.S., 5 Norwegian, 2 Dutch, 1 Belgian, 1 Swedish sailed from Halifax on July 27th under the A/S Escort of H.M. Ships "VISCOUNT", "VERVAIN", "ACANTHUS", "MONTBRETIA", "POTENTILLA".

There were three independent trans-ocean sailings this week from the Atlantic Coast.

GENERAL

The Cape Cod Canal which was blocked from June 28th has now been cleared and all ON convoys will be routed via the canal with escorts fuelling at Boston.

H.M.S. "QUALICUM" is now en route to New London from Halifax. She is expected to arrive on July 30th and will escort H.M. Submarine L.27 from New London to St. John's.

In future convoys leaving the River and Gulf of St. Lawrence for Labrador bases and farther North will be known as L N and from Labrador and farther north to the St. Lawrence as N L. They will be run irregularly as often as shipping and escort warrant.

As a result of a conference at Ottawa on July 23rd, 24th, between the representatives of Cominch, N.S.H.Q. B.A.D., Washington, C.O.A.C., F.O.N.F. and C.N.A., Washington, it was decided that in future SC convoys would be sailed from Halifax instead of from Sydney. This will result in a more economical use of Western Local escorts, and a reduction in the number of Merchant ships which have to be escorted between Halifax and Sydney. In addition, it is hoped to commence a Sydney section (SSC) which will Rendezvous with the main SC convoy about 100 miles off Sydney.

NEW CONSTRUCTION

One Bangor Diesel Minesweeper, H.M.C.S. "DIGBY", was commissioned during the week, and is now at Quebec, for armament trials.

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C179820

One New Construction Fairmile is at Montreal and one at Quebec. Two are en route Halifax for working up, as also is the new Base Supply Ship, "PRESERVER". The last named is allocated to F.O.N.F. and will proceed to St. John's on completion of her working up programme, probably late in September.

4. WORKS

BOOM DEFENCE

The assembly of material for shipments from Gaspe via North Sydney to Bay Bulls is proceeding satisfactorily.

Material is being shipped by manufacturers for the new construction at Saint John, N.B.

A member of the United States Boom Defence Division visited Naval Service Headquarters to discuss the new developments in Boom Defence Equipment with the Superintendent of Boom Defence.

NAVAL ORDNANCE

Contract Demands have been raised for Hedgehog Mountings and fire control gear to equip 50 Anti-Submarine Vessels. Gunnery and Torpedo Stores have been ordered for Tribal Class Destroyers "C" and "D" at a cost of over $500,000.

Alterations in the Electrical Specifications for Peatty platforms will result in more flexible operation and the saving of several hundred dollars per unit in the control gear.

The Contractors have commenced work on the New Naval Armament Depot, Dartmouth, N.S.

Arrangements have been completed with U.S. Naval authorities for the storage and issue as necessary of Depth Charge Explosive Stores to R.C.N. Convoy Escorts using Boston, Mass., as a turn round port.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections in Canadian Ports this week numbered 199 in connection with D.E.M.S. and 197 in connection with D.G. Five other ships are in hand for arming etc.

Five Ships were degaussed in United States Port's.

CONTRACT BUILT SHIPS

Various Trials were carried out with 3 Minesweepers, H.M.C.S. "DIGBY", "THREE RIVERS" & "KENORA".

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Two Minesweepers, H.M.C.S. "PORT HOPE", & "DIGBY" were commissioned, and a Wooden Trawler (#392) were launched.

TECHNICAL DIVISION

The construction of standardized Bomb Disposal Equipment is progressing satisfactorily.

The Naval Staff have approved the provision of Naval Instructors at Suffield, Alberta, to supplement training in Chemical Warfare given to selected personnel.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $485,265.95.

CHIEFS OF STAFF COMMITTEE
1st August
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DEPARTMENT OF NATIONAL DEFENCE

C179822

HQ.S. 5199-U, Vol. 24
Ottawa, 8th August, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 144

(For week ending 8th August)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	3	0	497	3,486	500	3,484
RCNR	1	23	868	4,390	869	4,414
RCNVR	34	1,005	3,410	29,731	3,444	30,713
GRAND TOTAL	38	1,028	4,775	37,607	4,813	38,611
LESS DIV. STR.	—	—	365	2,307	385	3,010
TOTAL ACTIVE SER.			4,410	35,300	4,428	35,601

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (A) Med. Unfit	0	8	8
(B) Other Reasons	0	15	15
TOTAL	0	24	24

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	1	1
TOTAL	0	1	1

2. CASUALTIES

Albert L. KEAYS, A.B., V15175 died 31.7.42.

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	432	488
Other Deaths	8	60	68
TOTAL	64	492	556
Wounded or Injured	4	67	71
Prisoners of War	3	1	4

3. OPERATIONS

U-BOAT ACTIVITIES

Tonnage of shipping reported lost during the week was half the average of the preceding eight weeks. The majority of vessels were sunk in the vicinity of Trinidad and were unescorted. No tankers were lost during the week.

There are indications of increased U-Boat activity in the mid-Atlantic. Convoys O.N. 115 and S.C. 94 were attacked and five ships were torpedoed, one of which sank. Canadian warships escorted a total of 178 Merchant Vessels in Coastal Convoys and 311 ships in Ocean Convoys during the week.

The areas in which Merchant Ships were reported sunk during the week are as follows:

	No. of Ships
Gulf of Mexico	1
Caribbean - Trinidad area	8
Atlantic Coast	2
Mid-Ocean	1

The total tonnage and number of ships sunk during the week, with comparative figures for the preceding three weeks, were:

Week Ending	Cargo	Tankers	Total	Tonnage
16th July	6	4	10	56,900
23rd July	19	4	23	92,200
29th July	11	-	11	33,500
6th August	12	-	12	52,900
Total for 4 weeks	48	8	56	235,500

The following list gives particulars of the ships sunk on which information has been received during the past week:

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TIME	POSITION	NAME	TONS	REMARKS
July /24	09° 15' N 59° 54' W	TELAMON	2,078	Torpedoed, Dutch passenger, sailed Georgetown 24/7 Trinidad.
/27	12° 00' N 58° 00' W	WEIRBANK	5,150	Torpedoed, British Tramp Sailed Durban 22/6 Trinidad.
/28	13° 10' N 56° 00' W	BARBACENA	4,772	Torpedoed, sunk, Brazilian Cargo. Sailed Pernambuco 17/7 Port of Spain.
/29	Area Trinidad	PRESCODOC	1,938	Torpedoed, British cargo Sailed Georgetown 28/7 Trinidad.
/29	12° 17' N 55° 11' W	CRANFORD	6,096	Torpedoed, sunk, U.S. cargo. Sailed Capetown 1/7 Trinidad.
1206Z/30	45° 21' N 59° 28' W	FERDINAND BOL	5,704	Sunk in collision, Dutch cargo, sailed Halifax 28/7 Sydney.
/30	28° 40' N 88° 42' W	ROBT. E. LEE	5,184	Torpedoed, U.S. Passenger. Sailed Trinidad Key West.
August 1813Z/1	47° 42' N 51° 55' W	BROOMPARK	5,136	Torpedoed, Sank while being towed. British cargo, sailed U.K. from New York in O.N. 113.
/1	11° 06' N 58° 52' W	KASTOR	5,497	Torpedoed, Greek cargo. Sailed Capetown 6/7 for Trinidad.

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TIME	POSITION	NAME	TONS	REMARKS
/2	10° 33' N 57° 10' W	MAUA	5,163	Torpedoed, Brazilian Passenger. Sailed Para 30/7 Port of Spain.
1643Z/5	53° 05' N 43° 28' W	SPAR	3,616	**Sunk**, Dutch cargo. Sailed Convoy S.C. 94 31/7 London

The following ships were attacked by U-Boats, but no further word as to their fate has been received.

0320Z/3	45° 52' N 47° 13' W	BELGIUM SOLDIER	-	Attacked, sailed U.K. in Convoy O.N. 115
0320Z/3	45° 52' N 47° 13' W	LOCH KATRINE	9,419	Attacked, British, sailed U.K. in convoy O.N. 115.
1011Z/3	45° 48' N 47° 20' W	G.S. WALDON	10,627	G.S. WALDON, British, sailed U.K. in Convoy O.N. 115. Attacked.
1830Z/3	45° 52' N 50° 15' W	TOPDALSFJORD	4,271	Attacked, Norwegian cargo, sailed U.K., O.N. 115.
1835Z/3	10° 45' N 53° 54' W	MIRLO	7,455	Attacked, Norwegian tanker. Sailed Port of Spain 1/8 Trinidad.

ATTACKS ON CONVOYS

O.N. 115

At 1400Z/30 a U-Boat was sighted by H.M.C.S. "SKEENA" escorting convoy ON 115 and at 1234Z/31 a U-Boat was considered sunk by H.M.C.S. "SKEENA" and "WETASKIWIN", human remains being recovered. H.M.C.S. "AGASSIZ" sighted a U-Boat 7 miles on August 2nd and the same day H.M.S. "WITCH" and H.M.C.S. "HAMILTON" sighted and attacked a U-Boat which dived. Oil traces were observed.

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At 0204Z/3 the convoy was attacked in 45° 52' N, 47° 13' W and three ships were torpedoed but remained afloat. H.M.C.S. "SACKVILLE" attacked a U-Boat in the vicinity and at 0600Z/3 reported that she considered she had sunk the U-Boat.

At 1503Z/3 H.M.C.S. "SACKVILLE" sighted a U-Boat in dense fog at 50 yards. She endeavoured to ram and hit the U-Boat with 4" H.E. at point blank range at the base of the conning tower. H.M.C.S. "AGASSIZ" and "SACKVILLE" searched the area without result.

S.C. 94

Convoy SC 94 was attacked at 1643Z/5 in position 053° 05' N 043° 38' W, S.S. "SPAR" was torpedoed and 36 survivors out of 39 were picked up by H.M.S. "NASTURTIUM". H.M.C.S. "ASSINIBOINE" carried out a search of the area.

COUNTER ATTACKS

Various attacks by air and surface vessels were carried out without definite results.

An aircraft attacked a U-Boat in position 043° 02' N 064° 52' W at 1455Z/31. The submarine was considered damaged and H.M.S. "VETERAN" and "MELVILLE" were despatched from Halifax to search. H.M.S. "VETERAN" found a large quantity of oil coming to the surface in position 043° 3' N 064° 33' W. Position was attacked at 2400Z/31, and further oil came to surface.

An Aircraft attacked and probably damaged a U-Boat in position 043° 05' N 063° 05' W at 1633Z/5. H.M.C.S. "ALGOMA" and "SHEDIAC" were ordered to carry out search.

PACIFIC COAST

C.O.P.C. reported a U-Boat sighted in 049° 38' N 124° 42' W by U.S. aircraft on August 2nd. U-Boat crash-dived. The conning tower was disguised as debris. Investigation by A/S vessel proved negative.

ALEUTIANS

Kiska was bombed on July 31 by two Catalinas resulting in extensive damage. Heavy A/A fire was encountered, observation showed many buildings burned. It is confirmed that the Islands of Attu, Agattu and Kiska have been occupied in force. No Japanese activity north of the Aleutians has been observed.

TRADE DIVISION

A convoy comprised of 31 ships of which 10 were British, 13 U.S., 3 Norwegian, 1 Greek, 2 Dutch, 1 Belgian, 1 Honduras sailed from Halifax on August 2nd under the A/S Escort of H.M. Ships "BURNHAM", "BROADWAY", and H.M.C. Ships "DRUMHELLER", "DAUPHIN", "BRANDON" and H.M.S. "POLYANTHUS".

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A convoy comprised of 30 ships of which 15 were British, 4 Norwegian, 4 Greek, 2 Dutch, 3 U.S., 2 Swedish, sailed from Sydney on July 31st under the A/S Escort of H.M. Ships "PRIMROSE", "DIANTHUS", and H.M.C. Ships "ORILLIA", "ASSINIBOINE", "CHILLIWACK", "BATTLEFORD", "NASTURTIUM".

There was one independent trans-ocean sailing from the Atlantic Coast.

GENERAL

H.M.S. "QUALICUM" is now en route Argentia from New London escorting H.M. Submarine L.27.

N.O.I.C. Saint John, N.B. considered that a submarine was in the Bay of Fundy endeavouring to carry out an attack on the dry dock and requested a suitable A/S vessel be supplied to alternate patrols with H.M.C.S. "HUSKY".

A shorewatcher reported a U-Boat submerging off Alma in Chignecto Bay 2300A/2. H.M.C.S. "HUSKY" was sent to investigate.

"FOUNDATION FRANKLIN" sailed St. John's July 31 at 0300Z to assist U.S. Tug "CHEROKEE" in towing "BROOMPARK" torpedoed in ON 113 at 0159Z/25 July. H.M.C.S. "AMHERST" which was screening reported that "BROOMPARK" sank in 047° 42' N 051° 55' W at 1813Z/1.

S.S. "BRITISH MERIT" torpedoed in convoy ON 113 on July 25th, arrived safely in St. John's, Newfoundland in tow of tug "TENACITY" on August 2nd.

S.S. "BRITISH EMPIRE" ran aground near Cape Race at 1611Z/4. Tug "FOUNDATION FRANKLIN" was sent to her assistance but vessel sank in 047° 01' N 052° 50' W at 0400Z/5 while in tow.

NEW CONSTRUCTION

No new vessels were commissioned during the week. H.M.C. Bangor Minesweeper "PORT HOPE" arrived at the town of Port Hope from Toronto on August 5th to take part in dedication ceremonies to the ship's company.

H.M.C.S. "DIGBY" and 2 Fairmiles are at Quebec undergoing A/S trials etc. before proceeding to Halifax for working up.

4. WORKS

BOOM DEFENCE

Assembly and loading of material for Bay Bulls is progressing at Sydney and Gaspe.

It has been found that the proposed Pile Dolphins at Saint John, N.B. will not be feasible due to the nature of

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the bottom. The necessary changes in the arrangements are being made.

All material from the Dockyard Buildings at Esquimalt, and the Crawler Crane has been moved to the new site.

At Prince Rupert, B.C. all 1st and 4th Class Buoys on the Net Assembly have been reconditioned and returned to position. Signal apparatus has been installed throughout.

DEGAUSSING

Degaussing Specifications for both 110 volt and 30 volt systems for 10,000 tons Cargo Vessels have been issued and distributed to all authorities concerned.

The Department of Munitions and Supply have been requested to ask for tenders for 39,600 feet of 250,000 C.M. cable for 9 4,700 ton Cargo Vessels.

The Channel Range at Halifax has been serving as an excellent measure for checking the degaussing on patrol vessels of all sorts.

Arrangements are being made to carry out tests concerning pulse fields on all R.N. 105' Wooden Minesweepers at Shelburne.

A memorandum has been sent to the Deputy Minister (Naval) requesting that, if D.G. contractors at Halifax, Sydney, and Saint John carry D.G. stock on hand up to $20,000.00, arrangements would be made by the Service to buy this stock from these contractors in the event of cessation of hostilities.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week in Canadian Ports numbered 107 in connection with D.E.M.S. and 105 in connection with D.G. Seven others are in hand for arming, etc.

Five ships were degaussed in United States Ports.

CONTRACT BUILT SHIPS

During the past week the Minesweeper H.M.C.S. "KENORA" was accepted.

Various Trials were carried out on the Minesweepers H.M.C.S. "THREE RIVERS" and "SARNIA".

TECHNICAL DIVISION

The National Research Council has been asked to construct several Japanese Bomb Fuses, from date available at N.S.H.Q.

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Investigation is proceeding on methods of collecting oil slick samples from surface sea water, and also on substitutes for natural sea sponges.

Shock test and rating determination of Canadian Cutler-Hammer Ribbon type Resistance box were carried out.

ANTI-SUBMARINE BRANCH

It was decided by Staff to proceed with the establishment of the new A/S School at Digby. In view of prospectively poor water conditions on the east coast (from an A/S point of view), the principle of expanding the output of the Esquimalt School was confirmed.

With regard to the West Coast Fixed Defence Stations, S.C.L. is now preparing the plans for the proposed buildings.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $401,444.88.

CHIEFS OF STAFF COMMITTEE
8th August
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25
Ottawa, 15th August, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 145

(For week ending 15th August)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	3	1	500	3,484	503	3,484
RCNR	4	32	869	4,414	871	4,444
RCNVR	17	905	3,444	30,713	3,456	31,578
GRAND TOTAL	24	938	4,813	38,611	4,830	39,506
LESS DIV. STR.	—	—	385	3,010	378	3,142
TOTAL ACTIVE SER.			4,428	35,601	4,452	36,364

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	2	2
Discharges (A) Med. Unfit	0	7	7
(B) Other Reasons	2	34	36
TOTAL	2	43	45

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	3	3
To RCNR from RCNVR	0	3	3
TOTAL	0	6	6

2. CASUALTIES

Kenneth William WATSON, Ordinary Seaman, O.N. 4354, killed in action in H.M.C.S. "ASSINIBOINE" 6.8.42.

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CASUALTIES (continued)

Roderick R. DEWAR, A.B. A525, missing on Active Service.

Kenneth MORRIS, A.B. V19264, Injured in H.M.C.S. "ASSINIBOINE"

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	434	490
Other Deaths	8	60	68
TOTAL	64	494	558
Wounded or Injured	4	68	72
Prisoners of War	3	1	4

3. OPERATIONS

U-BOAT ACTIVITIES

A total of 18 merchant ships, including 4 tankers were reported sunk during the week ending August 13th. Seven of these ships were sunk in an area 300 miles N.E. of Trinidad.

Two of the three vessels with convoy ON 115, reported attacked last week, subsequently sank while the third was successfully towed to St. John's, Nfld. Four ships with convoy SC 94 were sunk in mid-Atlantic. Two escorted ships were sunk off Key West. The remaining 10 ships of those lost during the week were unescorted.

With the exception of the vessels lost with Convoy SC 94, Canadian Warships safely escorted 211 merchant ships in Coastal convoys during the week and participated in the escort of 172 vessels in Ocean Convoys.

U-Boats are continuing their attacks in the Eastern-Caribbean area, off Key West and are shadowing and attacking ocean convoys.

U-Boat Commanders appear to be making a practice of taking the masters of vessels they have sunk on board as prisoners.

The areas in which merchant ships were reported sunk during the week were:

	No. of Ships
Gulf of Mexico	2
Eastern-Caribbean - Trinidad Area	7
Mid-Atlantic	7
Bermuda	1
	17

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The total tonnage and number of ships reported sunk during the week, with comparative figures for the preceding three weeks was:

Week Ending	Cargo	Tanker	Total	Tonnage
23rd July	19	4	23	92,200
29th July	11	-	11	33,500
6th August	12	-	12	52,900
13th August	14	3	17	80,600
Total 4 weeks	56	7	63	359,200

The following list gives particulars of the ships sunk on which information has been received during the past week.

TIME	POSITION	NAME	TONS	REMARKS
1952/27 July	19° 20' N 53° 18' W	POTLATCH	6,065	Torpedoed, sunk, U.S. cargo, sailed Norfolk 21/6 Capetown.
/28	12° 30' N 55° 49' W	PIAVE	2,347	Torpedoed, sunk, Brazilian Tanker, sailed Para 24/7 Port of Spain.
0030/1 August	11° 52' N 57° 30' W	KENTAR	5,878	Torpedoed, sunk, Dutch cargo, sailed Durban 6/7 Port of Spain.
1630Z/1	11° 54' N 54° 25' W	CLAN MACNAUGHTON	6,088	Torpedoed, sunk, Br. cargo, sailed Freetown 22/7 Trinidad.
/1	11° N 55° W	HAVSTEN	6,161	Torpedoed, sunk, Nor tanker, no information.
/2	28° 30' N 63° 00' W	MOLDONADO	5,263	Torpedoed, sunk, Urug. sailed Montevideo 9/7 New York.
1620Z/2	11° 40' N 57° 07' W	TREMMINARD	4,694	Torpedoed, sunk, Br. cargo, sailed Durban 3/7 Trinidad.
0320Z/3	45° 52' N 47° 13' W	BELGIUM SOLDIER	7,167	Torpedoed, sunk, sailed U.K. in convoy ON 115.

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TIME	POSITION	NAME	TONS	REMARKS
0320Z/3	45° 52' N 47° 13' W	LOCH KATRINE	9,419	Torpedoed, sunk, Br. sailed U.K. in Convoy ON 115.
2020Z/3	11° 35' N 56° 51' W	TRICULA	6,221	Torpedoed, sunk, Br. tanker, sailed Port of Spain 1/8 Cape-town.
1515Z/6	11° 00' N 57° 30' W	ROZEWIE	766	Torpedoed, sunk, Polish cargo sailed Para 2/8 Port of Spain.
1327Z/8	56° 30' N 32° 10' W	TREHATA	4,817	Torpedoed, sunk, Br. cargo, sailed Sydney 31/7 Manchester S.C. 94.
1327Z/8	56° 30' N 32° 10' W	KELSO	3,956	Torpedoed, sunk, Br. cargo, sailed Sydney 31/7 Convoy S.C. 94.
1328Z/8	56° 30' N 32° 10' W	ANNEBERG	2,544	Torpedoed, sunk, Br. cargo, sailed Sydney 31/7 Convoy S.C. 94.
/8	56° N 32° W	KAIMOKU	6,367	Torpedoed, sunk, U.S. cargo, sailed Sydney 31/7 Mersey Convoy S.C. 94.
1215Z/12	24° 20' N 81° 50' W	SAN DIEGO DE CUBA	1,685	Torpedoed, sunk, Cuban cargo arrived Key West 9/8.
1215Z/12	24° 20' N 81° 50' W	MANZANILLO	1,025	Torpedoed, sunk, Cuban cargo arrived Key West 8/8.

The following ship was attacked by U-Boats.

1327Z/8	56° 30' N 32° 10' W	MOUNT KASSION	7,914	Torpedoed, Greek, sailed Sydney 31/7 Convoy S.C. 94.

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S.C. 94

Following the attack on S.C. 94 at 1643Z/5 in which one ship was torpedoed. (See last week's report) H.M.C.S. "ASSINIBOINE" sighted and attacked a U-Boat in 054° 27' N 039° 23' W at 1742Z/6. The U-Boat was sunk and the "ASSINIBOINE" was forced to return to St. John's to repair damages sustained in the attack.

At 1327Z/8 the convoy was attacked in position 056° 30' N 032° 14' W by two or more U-Boats and five ships were torpedoed of which 4 were sunk and one remained afloat. H.M.S. "DIANTHUS" rammed and sank a submarine at 1328Z/8. H.M.S "BROKE" was missed by a torpedo later the same day. H.M.S. "BROKE" was not able to maintain contact with this U-Boat.

GULF OF ST. LAWRENCE

A report was received from a fishing vessel that a submarine was sighted off Cape Chat on August 10th.

At 0300Z/13 an A.D.C. observer at Maquereau Point reported a submarine inbound Chaleur Bay. E.A.C. despatched an aircraft to investigate but due to fog no definite results were obtained.

At 1915Z/12 a shorewatcher sighted a submarine at Bic Island. Aircraft carried out a search which proved negative. Q.052 and Q.053 were also sent to investigate.

PACIFIC

There is nothing of particular interest to report from the West Coast during the past week. Regular patrols are being carried out by ships from Esquimalt and Prince Rupert.

ALEUTIAN WATERS

U.S. Naval Forces bombarded Kiska on August 8th and 3 cruiser planes were lost.

Seven Japanese destroyers were sunk in Aleutian waters prior to July 24th.

TRADE DIVISION

A convoy composed of two sections, one from Halifax and one from Sydney, comprised of 40 ships of which 17 were British, 5 Norwegian, 4 U.S., 4 Greek, 3 Dutch, 3 Swedish, 2 Panamanian, 1 Belgian, 1 Polish, sailed on August 4th under the A/S Escort of H.M. Ships "TRILLIUM", "PROVOST" and H.M.C. Ships "BITTERSWEET", "COLLINGWOOD" and U.S. Ships "SPENCER", "SCHENCK".

A convoy comprising 40 ships of which 20 were British, 8 Norwegian, 6 U.S., 2 Dutch, 2 Panamanian, 1 Swedish, 1 Belgian, sailed from Halifax on August 9th under the A/S Escort of H.M.C. Ships "SAGUENAY", "WETASKIWIN", "LOUISBURG", "SKEENA", "SACKVILLE", "GALT".

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There were two independent trans-ocean sailings from the Atlantic Coast this week.

GENERAL

At 1922Z/7 an aircraft sighted a U-Boat in 043° 36' N 064 30' W H.M.C.S. "ST. LAURENT" carried out an A/S search but with negative results.

H.M. Rescue Tug "TENACITY" arrived St. John's at 1342Z/7 with "G.S. WALDON" in tow. This was the tanker which was torpedoed in ON 115 on August 3rd.

H.M.C.S. "LUNENBURG" has been placed under the orders of C.O.A.C. upon her arrival at Halifax. It is unlikely that a third corvette will be required for LN - NL convoys for the remainder of this season.

H.M. Submarine L.27 departed St. John's, Newfoundland on August 11th for the U.K. H.M.S. "QUALICUM" acted as local escort and is now returning to St. John's.

At 1619Z/10 H.M.C.S. "MELVILLE" was despatched from Shelburne to render assistance to S.S. "MACKAY" which was aground off Seal Island. H.M.C.S. "COWICHAN" was despatched from Halifax with "FOUNDATION FRANKLIN" at 0301Z/11 to attempt salvage.

At 1215P/10 H.M.C.S. "LA MALBAIE" grounded on Reef off Blonde Rock. She sustained damage to her bottom but was able to proceed and arrived Halifax 1404Z/11 August.

CHANGES IN CONVOY POLICY

Resulting from conferences at Naval Service Headquarters and in Washington the following changes in convoy policy have been decided.

(1) In future New York will be used as the main assembly port for HX and SC convoys, commencing with HX 208 on Sept. 17th and SC 102 on Sept. 19th.

(2) Fast Vessels loading in Canadian Ports will assemble in Halifax and slow vessels in Sydney and will join HX and S.C. convoys off Halifax and Sydney respectively. These Canadian sections of ocean convoys will be termed HHX and SSC.

(3) Commencing August 27th and September 5th respectively direct convoys will be run from New York to Guantanamo and vice versa. HA - AH convoys will be discontinued and the 6 R.C.N. Corvettes will be transferred to the New York Guantanamo service.

NEW CONSTRUCTION

H.M.C.S. "KENORA" was commissioned during the week. The A/S Minesweeper Trawler H.M.S. "ANTICOSTI" which is being loaned to the R.C.N. was commissioned on August 10th.

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4. WORKS

BOOM DEFENCE

Delivery of materials for the new A/T Net Defences at Saint John, N.B. is proceeding satisfactorily.

A Berger Fairlead, installed in the Gate Closing Vessel at Prince Rupert, B.C., has been found a great improvement as it appears to lighten the load considerably.

An Officer of the Admiralty Boom Defence Department, at present doing liaison work for the United States Navy Boom Defence Department, arrived at Headquarters to confer with the S.B.D.

TECHNICAL DIVISION

Arrangements have been made to conduct a full "LL" trial at Toronto on H.M.C.S. "SARNIA", "STRATFORD", and "WESTMOUNT".

Tests of suitability for service use were carried out with the following:

(1) Lighting units tested in shock-testing machines.

(2) Sample goggles produced by Monarch Optical Company for suitability of the colour of the filter for use in Anti-Aircraft Gunnery.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections in Canadian Ports this week numbered 172 in connection with D.E.M.S. and 164 in connection with D.G. Four others are in hand for arming, etc. at Esquimalt, and one at Montreal.

Five ships were degaussed in United States Ports.

ANTI/SUBMARINE BRANCH

It should be noted that the existing provision of certain classes of trained A/S ratings is seriously below the minimum requirements.

Several Instructional films have been received and forwarded to the two schools.

DEGAUSSING

During the past week, D.G. work was carried cut on 19 ships and 2 others were depermed.

Both the Ranges at Halifax, the Range at Sydney and the one at Vancouver have been operating without interruption

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with the D.G. Range on the Isle of Orleans in operation as of 8th August. It will now be possible for all Naval and Merchant Ships to range at Quebec before proceeding to Halifax.

NAVAL ORDNANCE

The light Depth Charge Thrower "Y" Gun manufactured in the United States for fitting on Fairmiles are now being delivered and the complete equipment will be available immediately.

Orders have been placed for Proto electric Voltage Amplifier fittings for Controlled Minefields.

CONTRACT BUILT SHIPS

Various Trials were carried out with the Minesweepers, H.M.C.S. "SARNIA", "STRATFORD", "FORT WILLIAM", "THREE RIVERS", and "LLEWELLYN".

The Western Isle Trawler "ANTICOSTI" was Accepted and Commissioned.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $435,405.54.

CHIEFS OF STAFF COMMITTEE
15th August
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SECRET

COPY NO 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25
Ottawa, 22nd August, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 146

(For week ending 22nd August)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	5	0	503	3,484	506	3,481
RCNR	7	62	871	4,444	877	4,501
RCNVR	4	700	3,456	31,578	3,460	32,253
GRAND TOTAL	16	762	4,830	39,506	4,843	40,235
LESS DIV. STR.	—	—	378	3,142	379	3,357
TOTAL ACTIVE SERVICE			4,452	36,364	4,464	36,878

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	1	2
Discharges (a) Med. Unfit	0	10	10
(b) Other Reasons	2	22	24
TOTAL	3	33	36

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	0	0
TOTAL	0	1	1

2. CASUALTIES

L.B. McILHAGGA, Sub. Lieut., injured on Active Service.

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CASUALTIES (Continued)

Peter McGILVRAY, Warrant Engineer, R.C.N.R., missing since 19.4.42.

Howard J. STOCK, Ord. Soder, V23654, died of tuberculosis to date 13.8.42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	434	490
Other Deaths	8	61	69
TOTAL	64	495	559
Wounded or Injured	5	68	73
Prisoners of War	3	1	4

3. OPERATIONS

ATLANTIC

U-BOAT ACTIVITIES

A total of 18 merchant ships, including four tankers were reported sunk during the week ending 20th August. Five of these ships were sunk off Trinidad and ten in the West Indies-Jamaica area.

Seven of these ships were lost in convoys in the West Indies while the remaining eleven were unescorted.

Canadian warships safely escorted 200 merchant ships in coastal convoys during the week and with U.S. and R.N. warships escorted 93 vessels in Ocean Convoys.

The areas in which merchant ships were reported sunk during the week were:

	No. of Ships
West-Indies - Jamaica	10
Eastern Caribbean-Trinidad	5
Western Atlantic	1
Gulf of Mexico	1
Unknown	1
	18

The total tonnage and number of ships reported sunk during the week, with comparative figures for the preceding three weeks were:-

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Week Ending	Cargo	Tanker	Total	Tonnage
29th July	11	-	11	33,500
6th August	12	-	12	52,900
13th August	14	3	17	80,600
20th August	14	4	18	68,775
Total 4 weeks	51	7	58	235,775

The following list gives particulars of the ships sunk on which information has been received during the past week.

TIME	POSITION	NAME	TONS	REMARKS
1030/4	10° 59' N 54° 25' W	EMPIRE ARNOLD	7,050	Torpedoed, sunk, Br. Cargo, sailed Trinidad 1/8 Capetown.
0600Q/4	21° 41' N 76° 09' W	MICHAEL JEBSEN	2,318	Sunk by Sub. Br. Passenger, sailed Trinidad 8/8 Halifax T.A.W. 12
0600Q/4	21° 41' N 76° 09' W	EMPIRE CORPORAL	6,792	Sunk by Sub., Br. Tanker, sailed Curacao 9/8 Halifax T.A.W. 12
/5	11° 05' N 53° 30' W	DRACO	389	Sunk by Sub., Dutch cargo, sailed Rio de Janeiro 22/7 Barbados.
2100Z/6	39° 18' N 55° 44' W	WAWALOAM	342	U.S. Schooner sailed Bridgewater 20/6 Barbados. Torpedoed, sunk.
2335/6	10° 20' N 56° 10' W	BRENAS	2,687	Torpedoed, sunk, Nor. Cargo, sailed Maranhoa 2/8 Port of Spain.
/10	7° 29' N 54° 05' W	STRABO	383	Sunk by Sub. Dutch cargo arrived Maranhoa 4/8
0300Z/13	19° 54' N 74° 16' W	MEDEA	1,311	Torpedoed, sunk, Dutch cargo, sailed Key West 9/8 Guantanamo.

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TIME	POSITION	NAME	TONS	REMARKS
0800Z/13	19° 55' N 73° 49' W	DELMUNDO	5,030	Torpedoed, sunk, U.S. Passenger, sailed Trinidad 8/8 New York.
/13	28° 50' N 90° 42' W	R.M. PARKER JR.	6,779	Torpedoed, sunk, U.S. Tanker, arrived Key West 9/8 enroute Port Arthur.
1510/13	Bahamas	VIVIAN P. SMITH	69	Sunk by gunfire, Br. cargo sailed San Juan 8/8 Barbados.
0800/13	19° 55' N 73° 49' W	EVERELZA	4,520	Torpedoed, sunk, Latv. Tanker, sailed Trinidad 8/8 Baltimore.
/17	18° 47' N 75° 03' W	LAGUNA	6,466	Torpedoed, sunk, Br. cargo, sailed Cristobal 12/8 Guantanamo P.G. 6.
/17	07° 24' N 51° 33' W	LOUISIANA	8,587	Torpedoed, sunk, U.S. tanker arrived Trinidad 11/8.
/17	18° 20' N 76° 00' W	SAMIR	3,207	Torpedoed, sunk, Egypt cargo sailed Christobal 12/8 Guantanamo P.G.6.
/17	18° 20' N 76° 00' W	FORT LAREINE	10,000	Torpedoed, sunk, British, sailed Christobal 12/8 Guantanamo Convoy P.G.6.
/18	--	JOHN HANCOCK	--	Torpedoed, sunk U.S. sailed Christobal 12/8 Guantanamo Convoy P.G.6.
/18	19° 41' N 76° 50' W	BLANKAHOLM	2,845	Torpedoed, sunk, Swed. cargo, sailed Trinidad 12/8 Halifax Convoy TAW 13.

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The following ships were attacked during the week.

/14	--	STANDELLA	6,197	Torpedoed, Arrived, Br. Tanker sailed Curacao 9/8 Key West T.A.W. 12.
0258Z/19	11° 45' N 62° 30' W	WEST CELINA	5,772	Torpedoed, U.S. Cargo, arrived Trinidad 28/7.

ATTACKS ON CONVOYS

There were no attacks on ocean convoys during the past week.

PACIFIC

ALEUTIAN WATERS

500 and 1000 pound bombs dropped on Kiska by U.S. Navy aircraft on August 9th and August 10th, damaged shipping and the camp area.

Heavy damage was observed at North Head Kiska as a result of the U.S. Naval bombardment on August 8th. Two ships were noted to be either completely destroyed or badly damaged.

A U.S. Submarine was attacked by 3 Japanese planes on August 10th.

A Japanese Destroyer and two cargo vessels were observed and bombed North of Semichi Island but results were not observed. One U.S. B24 was lost.

TRADE DIVISION

A convoy composed of two sections, one from Halifax and one from Sydney comprised of 26 ships, of which 9 were British, 9 Norwegian, 4 Greek, 1 Dutch, 1 Panamanian, 1 U.S., 1 Swedish, sailed on August 11th under the A/S Escort of H.M.S. "CELANDINE" and H.M.C.Ships "ST. CROIX", "OTTAWA", "AMHERST", "SHERBROOKE", "ARVIDA".

A convoy comprising 38 ships of which 23 were British, 8 U.S., 5 Norwegian, 1 Panamanian, 1 Polish, sailed from Halifax on August 16th.

There was one independent trans-ocean sailing from the Atlantic Coast this week.

GENERAL

The wake of a submarine periscope heading NNW was sighted by a ferry command plane midway between Gaspe and the Magdalen Islands. A Hudson was despatched to carry out a sweep of the area but was recalled due to weather.

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In view of the daylight attacks on S.C. 94 on 8th and 10th August, Admiralty considers U-boats may now be expected to wait submerged ahead of convoys and attack in daylight. S.C. 94 lost 10 and possible 11 ships out of a total of 34 ships.

At 0943Z/14 H.M.S. "CALDWELL" (with O.N. 117) collided with S.S. "AQUITANIA" in fog in position 042° 25' N 066° 57' W. The "CALDWELL'S" bow was badly damaged but the damage to the "AQUITANIA" was slight. Both ships were able to proceed to Boston at reduced speeds.

The "CETUS" sailed Halifax P.M. August 14th escorted by "UNGAVA" to disembark cargo of the S.S. "WM MACLAY" which grounded off Seal Island on August 10th (See last week's report). The "UNGAVA" was relieved by "MELVILLE" on August 19th. Dense fog has hampered salvage operations and "MELVILLE" is still standing by screening Tug "FOUNDATION FRANKLIN".

As soon as possible after commissioning H.M.C.S. "LLOYD GEORGE" and "LLEWELLYN" are to be sailed to Halifax for working up. They are to be allotted to the St. John's Local Defence Force.

H.M.C.S. "PRESERVER" at present at Halifax is to be sailed to St. John's and will eventually be detailed to act as base supply ship for Fairmiles in Newfoundland.

4. WORKS

BOOM DEFENCE

The use of ungalvanized wire for the gate operating wires is recommended as a result of a successful experiment at Dartmouth.

Assembly of Tripods for westerly fixed defences is continuing at Prince Rupert.

The liaison officer for Boom Defence attached to the British Admiralty Delegation, Washington, has proceeded to Halifax after a four-day conference with Headquarters Boom Defence Staff.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections in Canadian Ports this week in connection with D.E.M.S. and D.G. numbered 129 each. Six other vessels are in hand for arming, etc.

It is also reported that 9 ships were degaussed in United States Ports.

CONTRACT BUILT SHIPS

Various Trials were carried out with the Minesweepers H.M.C.S. "THREE RIVERS", "KENORA", "LLEWELLYN",

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"LLOYD GEORGE", and the Western Isle Trawler, "ANTICOSTI".

H.M.C.S. "THREE RIVERS" was commissioned, as was the M/S H.M.C.S. "SARNIA"

In addition, oneM/S, H.M.C.S. "OSHAWA", was launched.

TECHNICAL DIVISION

The Naval Experimental Officer proceeded to Halifax to supervise Smoke Screening Trials, commencing August 15th.

In connection with Acoustic Minesweeping, arrangements have been completed for the equipping of H.M.C.S. "WESTMOUNT" at Toronto Shipbuilding Company, thus bringing the total number of ships equipped at Toronto to four.

A satisfactory 16' molded plywood dinghy hull has now been produced in the structural laboratory and is at present being fitted with standard fittings supplied by Naval Stores.

Among the various tests being carried out in the Electrical Engineering Laboratory was a water-tight test carried out on a model D/G Junction Box.

DEGAUSSING

During the past week D.G. work was carried out on 16 ships; and 8 vessels, a record number for one week, were Depermed.

All D.G. equipment required by the East Coast for maintenance and new construction purposes will in future be shipped to Halifax for further distribution.

The priority rating required to insure adequate delivery for 198 low voltage D.G. motor generator sets has been obtained.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $489,766.35.

CHIEFS OF STAFF COMMITTEE
22nd August
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.8. 5199-U, Vol. 25
Ottawa, 29th August, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 147

(For week ending 29th August)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	4	0	506	3,481	511	3,479
RCNR	6	55	877	4,501	880	4,549
RCNVR	44	604	3,460	32,253	3,502	32,815
GRAND TOTAL	54	659	4,843	40,235	4,893	40,843
LESS DIV. STR.			379	3,357	389	3,571
TOTAL ACTIVE SERVICE			4,464	36,878	4,504	37,272

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit	0	17	17
(b) Other Reasons	4	34	38
TOTAL	4	52	56

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	1	0	1
To RCNR from RCNVR	0	1	1
TOTAL	1	1	2

2. CASUALTIES

Allan H. WILMOT, Midshipman, R.C.N., interned in Algeria.

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John H.M. COCKS, Paymaster Midshipman, R.C.N., interned in Algeria.

Clayton Oscar PERSON, Stoker I (M), V10625, wounded as a result of combined operations on 19.8.42.

Joseph Alphonsus McKENNA, A.B., V1540, killed on Active Service 19.8.42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	56	435	491
Other Deaths	8	61	69
TOTAL	64	496	560
Wounded or Injured	5	69	74
Prisoners of War	5	1	6

3. OPERATIONS

ATLANTIC COAST

U-BOAT ACTIVITIES

Only eight merchant ships, of which three were with Convoy O.N. 122, were reported sunk during the week. Canadian warships escorted 312 merchant ships in coastal convoys and 103 in ocean convoys during the week.

The areas in which merchant ships were sunk during the week were:

	No. of Ships
Eastern Caribbean - Trinidad	3
West Indies - Jamaica	1
Mid-Ocean	3
Western Atlantic	1
	8

The total tonnage and number of ships reported sunk during the week, with comparative figures for the preceding three weeks are:

Week Ending	Cargo	Tanker	Total	Tonnage
6th August	12	-	12	52,900
13th August	14	3	17	80,600
20th August	14	4	18	68,800
27th August	5	3	8	43,200
Total 4 weeks	45	10	55	245,500

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The following list gives particulars of the ships sunk on which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
/5	41° 40' N 60° 00' W	ARLETTA	4,870	Torpedoed--sunk; British tanker; sailed U.K. O.N. 115 Halifax.
0120Z/9	07° 22' N 54° 08' W	SAN EMILIANO	8,071	Torpedoed--sunk; British tanker; arrived Curacao 27/7.
/19	11° 40' N 62° 30' W	BRITISH CONSUL	6,940	Torpedoed--sunk; British tanker; sailed Trinidad 18/6 Key West, T.A.W. 15.
2302Z/19	19° 59' N 76° 29' W	EMPIRE BEDE	6,959	Sunk; British cargo; sailed Trinidad 12/8 New York, T.A.W. 13.
/19	11° 40' N 62° 30' W	EMPIRE CLOUD	5,960	Torpedoed--sunk; British cargo; sailed Trinidad 18/6 New York, T.A.W. 15.
1445Z/25	48° 55' N 35° 10' W	TROLLA	1,598	Torpedoed--sunk; NOR. cargo; sailed U.K. O.N. 122 Sydney.
1445Z/25	48° 55' N 35° 10' W	INGREFIRE	3,835	Torpedoed--sunk; Nor. cargo; sailed U.K. O.N. 122 to Sydney.
1445Z/25	48° 55' N 35° 10' W	SHEAFMOUNT	5,017	British cargo; sailed U.K. O.N. 122 Sydney.

The following ships were attacked during the week:

1445Z/25	48° 55' N 35° 10' W	EMPIRE BREEZE	7,457	Torpedoed; British cargo; sailed U.K. O.N. 122.
/25		GLOXINIA	3,336	Believed torpedoed; British cargo; sailed U.K. O.N. 122 New York.

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ATTACKS ON CONVOYS

ON 122

On August 23rd, H.M.S. "VISCOUNT" escorting convoy ON 122 made an attack on a U-boat. No results have been reported.

On August 24th, four U-boats were reported sighted by the convoy and later the same day a heavy attack was made by 8 to 10 U-boats. Five ships were torpedoed, of which three were sunk.

As H.M.S. "VISCOUNT" reported fuel running low, H.M.C.S "ST. LAURENT" was despatched from St. John's, Nfld., to augment the escort.

S.S. "EMPIRE BREEZE", one of the ships torpedoed, was reported abandoned but still afloat.

H.M. Tug "FRISKY" was despatched to take her in tow.

H.M.C.S. "ROSTHERN" was sailed to augment the escort of ON 122, and to assist "FRISKY" in locating "EMPIRE BREEZE".

CONVOY SG 6

Convoy SG 6 escorted by three U.S. Coastguard cutters was attacked off Belle Isle and S.S. "CHATHAM" was sunk at 1255Z/27.

At 0047Z/28 S.S. "ARLYN" was torpedoed and sunk. Convoy LN 6 escorted by H.M.C.S. "TRAIL" was in the vicinity and picked up survivors (80) after detaching the two ships in convoy LN 6 to Forteau Bay.

Subsequently, convoy SG 6 was directed to return to Sydney and convoy LN 6 to Gaspe.

Convoy GS 6 approaching Belle Isle was diverted south to Sydney.

SIGHTING AND ATTACKS ON U-BOATS

A submarine was sighted by aircraft in the Gulf of St. Lawrence near Prince Edward Island on August 21st. On the same day two submarines were reported sighted in Hamilton Inlet. Searches carried out as a result of these sightings have proved negative.

A submarine was observed on the surface off Saint John N.B., on August 23rd and another was seen by a fisherman off Cape Breton on August 24th.

On August 26th shore watchers reported sightings of U-boats off St. John's, Newfoundland, off Port Aux Basques and off Prince Edward Island.

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PACIFIC COAST

H.M.C.S. "DAWSON" was sailed to Kodiak to carry out special duties.

A submarine was reported sighted by an R.C.A.F. plane off the North tip of Vancouver Island on August 24th.

ALEUTIANS

No activity at Buldiv Island has been noted from photographs. The U.S. Submarine "GATO" sank a Japanese vessel of 9,000 tons on August 15th.

SOLOMON ISLANDS

Heavy Japanese Naval forces are reported in the vicinity of the Solomon Islands. This force probably consists of:

3-4 Battleships
3 Aircraft carriers
8 Heavy cruisers
5 Light cruisers
transports
destroyers

A Naval action is reported on August 25-26, northeast of the Solomons. Landings by Japanese on August 25th took place on Guidal Canal, the largest Island in the Solomon group.

TRADE DIVISION

A convoy comprising 61 ships of which 28 were British, 12 Norwegian, 12 U.S., 1 Polish, 3 Panamanian, 3 Greek, 1 Icelandic and 1 Polish, sailed from Halifax on August 22nd under the A/S Escort of H.M. Ships "BURNHAM", "BROADWAY", and H.M.C. Ships "MORDEN", "DRUMHELLER", "BRANDON" and "DAUPHIN".

A convoy comprising 44 ships, of which 26 were British, 5 Norwegian, 10 U.S., 2 Panamanian and 1 Belgian sailed from Halifax on August 23rd under the A/S Escort of H.M. Ships "HIGHLANDER", "WINCHELSEA", "ASPHODEL", "ANENOME", "ABELIA", "CLOVER and "PENNYWORT".

There was one independent trans-ocean sailing from the Atlantic Coast this week.

TROOP CONVOY A.T. 20

On August 23rd, in dense fog, S.S. "AWATEA" with Convoy A.T. 20 rammed U.S. Destroyer "BUCK" whose stern was sheared off. At the same time S.S. "CHEMUNG" rammed and sank U.S. Destroyer "INGRAHAM".

H.M.S. "VANOC" and H.M.C.S. "KAMSACK" escorted "AWATEA" to Halifax for repairs. U.S.S. "BUCK" was towed by "CHEMUNG" to Boston escorted by H.M.C.S. "NIPIGON", U.S. Destroyer "TILLMAN" and U.S. Tug "CHEROKEE".

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H.M.C.S. "LACHINE" is to be allocated to the Sydney Force on completion of working up. About August 26th H.M.C.S. "GANANOQUE" is to be transferred from the Halifax Local Force to the Halifax Force to date August 23rd.

After a number of unsuccessful attempts, in thick fog, to move S.S. "WILLIAM MACLAY", aground off Seal Island since August 10th, Tug "FOUNDATION FRANKLIN" refloated her on August 23rd and towed her to Pubmic Harbour.

H.M.S. "MAGDALEN" was commissioned at Midland on August 24th and H.M.S. "BAFFIN" at Collingwood on August 26th, together with H.M.S. "ANTICOSTI" commissioned August 10th. These three Western Isles R.N. Trawlers are being loaned to the R.C.N. and will be manned by R,N. crews.

H.M.C.S. "LLOYD GEORGE" and "LLEWELLYN" were commissioned at Quebec on August 24th. These will be allocated to St. John's Local Defence Force.

H.M.C.S. "FORT WILLIAM", an R.C.N. Bangor Class Steam Minesweeper, was commissioned at Port Arthur on August 25th.

4. WORKS

BOOM DEFENCE

The Gate in Boom at Halifax was opened 64 times during the week.

A Derrick Scow was employed for two days on work for the Royal Canadian Air Force at Gaspe, P.Q.

All material is now assembled for Bay Bulls, Nfld., and shipment from North Sydney, N.S. has begun.

Work has begun on the construction of the Wharf at the new Esquimalt Boom Defence Depot.

DEGAUSSING

The U.S.C.G.C. "MARITA" is being degaussed in Montreal to U.S. Navy specifications, if possible; otherwise, to Canadian specifications, as authorized by the U.S. Navy Department.

Owing to the present acute crude rubber shortage, investigations are being conducted as to the possibility of using synthetic materials on degaussing cable for R.C.N. vessels.

TECHNICAL DIVISION

In the Rubber Laboratory, experiments are continuing on the production of cellular buoyant materials. The chemical blowing of linseed oil mixed with a small percentage of rubber is showing considerable promise.

New specifications have been prepared by the Rubber Laboratory in order that the rubber content in certain material may be reduced.

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DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 173 in connection with D.E.M.S. and 167 in connection with D.G. Seven other vessels are in hand for arming, etc.

Four ships were reported to have been degaussed in U.S. Ports.

A/S BRANCH

In connection with the West Coast Defences, a plan has been drawn up for the indicator loop building at Prince Rupert, and considered suitable by D. A/S.

CONTRACT BUILT SHIPS

Trials were carried out successfully with 4 Mine-sweepers, 3 of which were then commissioned. The Corvette "MANDRAKE" (for R.N.) was launched.

Three B.A.T.M. Fairmiles successfully completed all Trials and one 40' 0" Tug also made successful Trials.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $853,773.58.

CHIEFS OF STAFF COMMITTEE
29th August
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25
Ottawa, 5th September, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 148

(For week ending 5th September)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	4	0	511	3,479	511	3,477
RCNR	4	72	880	4,549	883	4,617
RCNVR	74	700	3,502	32,815	3,575	33,445
GRAND TOTAL	82	772	4,893	40,843	4,969	41,539
LESS DIV. STR.	—	—	389	3,571	392	4,032
TOTAL ACTIVE SERVICE			4,504	37,272	4,577	37,507

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	2	3	5
Discharges (a) Med. Unfit	0	14	14
(b) Other Reasons	1	59	60
TOTAL	3	76	79

(c) Transfers between Services:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	0	0
TOTAL	0	0	0

2. CASUALTIES

Lieut. Robert F. McRAE, missing on Active Service, 19th August, 1942.

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Mid. Wm. G. KILGOUR, killed by enemy action, 30th August, 1942.

Robert Wm. BROWN, Ldg. Smn. A1637 - Missing on Active Service.

Lloyd G. Campbell, A.B. V17138 - Missing on Active Service.

Robert A. CAVANAGH, Ord. Smn. V6678 - Missing on Active Service.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	58	438	496
Other Deaths	8	61	69
TOTAL	66	499	565
Wounded or Injured	5	69	74
Prisoners of War	5	1	6

3. OPERATIONS

ATLANTIC COAST

U-BOAT ACTIVITIES

That U-boats are now making determined attacks on convoys is evidenced by the sinkings of merchant vessels in the Western Atlantic in the last two weeks. At the same time continual attacks and sinkings of unescorted merchantmen continue in the Trinidad area.

The following figures show the number of ships in convoy that were reported sunk during the week and the areas where the sinkings took place, with comparative figures for the preceeding week.

	Week ending August 27th	Week ending September 3rd
Unescorted - Trinidad area	1	4
In convoy - West Indies - Jamaica	3	3
In convoy - Mid-Ocean	3	4
In convoy - Western Atlantic	1	-
In convoy - Canadian Waters	-	3
TOTAL	8	14

Although only fourteen ships were reported sunk during the week, the tonnage is high by reason of the loss of four large tankers in the Caribbean area.

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The number and tonnage of ships reported sunk during the week is shown with comparative figures for the preceding three weeks:

Week Ending	Cargo	Tanker	Total	Tonnage
13th August	14	3	17	80,600
20th August	14	4	18	68,800
27th August	5	3	8	43,200
3rd September	10	4	14	89,000
Total 4 weeks	43	14	57	281,600

The following list gives particulars of ships sunk on which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
/24	13° 30' N 57° 30' W	MOENA	9,286	Torpedoed--sunk; Dutch cargo; sailed Trinidad 22/8 Hampton Roads.
2359/24	52° 05' N 30° 50' W	ABBERERK	7,906	Torpedoed--sunk; Dutch cargo; sailed Trinidad 15/8 Liverpool, O.N. 124.
/26	13° 20' N 58° 10' W	THELMA	8,297	Torpedoed--shelled; Nor. tanker; sailed Capetown 29/7 Trinidad.
1255/27	51° 58' N 55° 30' W	CHATHAM	5,649	U.S. Passenger; sailed in Convoy S.G. 6.
/28	52° 00' N 55° 30' W	ARLYN	3,304	Sunk; U.S. Cargo; sailed 25/8 S.G. 6.
/28	18° 09' N 74° 38' W	ROTTERDAM	8,968	Torpedoed--sunk; Dutch tanker; sailed Curacao 25/8 U.K. via Key West T.A.W. 15.
/28	18° 09' N 74° 38' W	SANFABIAN	13,031	Torpedoed--sunk; British tanker; to sail Curacao 25/8 U.K. T.A.W. 15.
/30	11° 30' N 60° 40' W	VARDAAS	8,176	Torpedoed--sunk; Nor. tanker; sailed Capetown 7/8 Trinidad.

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TIME	POSITION	NAME	TONS	REMARKS
/31	57° 13' N 33° 40' W	BRONXVILLE	4,663	Torpedoed--sunk; Nor. cargo; sailed Halifax 22/8 S.C. 97 Liverpool.
0805Z/31	57° 13'N 33° 40' W	CAPIRA	5,565	Torpedoed--sunk; Pan. cargo; sailed Halifax 22/8 S.C. 97 Glasgow.
/20	11° 48' N 59° 45' W	STAR OF OREGON	7,179	Torpedoed--sunk; U.S. cargo; sailed Durban 2/8 Trinidad.
0610Z/3	17° 45' N 75° 52' W	AMAKURA	1,987	Torpedoed--sunk; British cargo; sailed Key West 18/8 W.A.T. 15.
0600Z/3	50° 16' N 59° 04' W	DONALD STEWART	1,781	Torpedoed--sunk; British cargo; sailed Father Point 31/8 to Goose Bay L.N. 7.

The following ship was attacked during the week:

Aug. 28	18° 09' N 74° 38' W	ESSO ARUBA	8,773	Attacked; U.S. Tanker; sailed Trinidad 23/8 New York.

ATTACKS ON CONVOYS

S.C. 97

Convoy S.C. 97 was attacked at 0805 on August 31st in position 057° 13' N 033° 40' W. S.S. "BRONXVILLE" and S.S. "CAPIRA" were torpedoed and sunk. The entire crew of S.S. "BRONXVILLE" and sixteen survivors of S.S. "CAPIRA" were picked up.

H.M.C.S. "BRANDON" and H.M.C.S. "DRUMHELLER" attacked a U-boat at 1243Z/31 and at 1700Z/31 H.M.S. "BROADWAY" sighted two U-boats on the surface, near 057° 24' N 031° 30' W, 15 miles to starboard of the convoy. H.M.S. "BURNHAM" and H.M.S. "BROADWAY" hunted but the U-boats dived and contact was lost.

At 0130Z/September 1st H.M.C.S. "MORDEN" sighted and attacked a U-boat astern of the convoy and at 1158Z/1 H.M.S. "BURNHAM" and H.M.S. "BROADWAY" again chased a U-boat.

S.G. 6

In addition to U.S.S. "CHATHAM" and S.S. "ARLYN" torpedoed and sunk August 27th/28th, S.S. "LARAMIE", an auxiliary

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tanker, was also torpedoed but was able to proceed to Sydney escorted by the U.S.S. "MOHAWK" and U.S.S. "BRISTOL".

H.M.C.S. "TRAIL" returned to Gaspe with convoy L.N. 6 to await the arrival of H.M.C.S. "SHAWINIGAN" with Convoy L.N. 7. The two convoys were ordered to proceed to Goose Bay together.

S.Q. 33

At 0240 on September 3rd H.M.C.S. "RACCOON", one of the escorts for convoy S.Q. 33, reported that a torpedo had crossed her bow in position 049° 01' N 067° 17' W. H.M.C.S. "Q.065" was despatched from Gaspe at 0544Z/3.

L.N. 7

On September 1st a U-boat was sighted by a shore watcher in the Straits of Belle Isle and on September 2nd two fixes by D/F indicated that a U-boat in the Straits had reported either L.N. 7 or N.L. 6.

At 0610Z/3 H.M.C.S. "TRAIL" escorting Convoy L.N. 7 reported the convoy attacked and S.S. "DONALD STEWART" torpedoed and sunk in position 50° 30' N 58° 45' W. All of the crew but three were saved. H.M.C.S. "VEGREVILLE" was despatched from Gaspe at 1007Z/3 to render all possible assistance.

H.M.C.S. "WEYBURN" escorting N.L. 6 also reported a ship sunk in the same vicinity but sent an amending signal that it was "DONALD STEWART".

SIGHTINGS AND ATTACKS ON U-BOATS

Two sightings of U-boats by shore watchers in the vicinity of Prince Edward Island were reported on August 27th and 28th.

Two sightings of U-boats were reported by fishermen on August 28th and 29th midway between Boston and Yarmouth.

A fisherman reported sighting an object believed to be a submarine in 47° 32' N 59° 05' W at 1030Z/31 heading in the direction of the Gulf of St. Lawrence.

A submarine was reported by the Eastern Air Command at 0333Z/3 in 49° 15' N 66° 40' W.

An R.C.A.F. plane attacked a U-boat at 1520Z/3 in 51° 00' N 57° 43' W. No further details have been received, but this was undoubtedly the U-boat which had torpedoed "DONALD STEWART".

PACIFIC

A submarine was reported off Cape Chacon heading toward Hella Inlet about 0239 on August 31st.

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A fisherman reported sighting an object believed to be a submarine in 47° 32' N 59° 05' W at 1030Z/31 heading in the direction of the Gulf of St. Lawrence.

A submarine was reported by the Eastern Air Command at 0333Z/3 in 49° 15' N 66° 40' W.

An R.C.A.F. plane attacked a U-boat at 1520Z/3 in 51° 00' N 57° 43' W. No further details have been received, but this was undoubtedly the U-boat which had torpedoed "DONALD STEWART".

PACIFIC

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A submarine was sighted and attacked by a U.S. aircraft on August 31st in 48° 12' N 125° 42' W. Two minesweepers, an armed yacht and two Fairmiles, were despatched to the scene but later returned to their regular duties.

At 1400 on September 3rd the S.S. "CAMDEN" sighted a submarine in 42° 08' N 125° 50' W.

ALEUTIANS

An observation plane noted 12 boats at Kiska on August 28th and was attacked by three fighters.

A P.B.Y. anchored in Nazan Bay, Atka Island, was attacked by four twin-engined bombers on August 28th.

TRADE DIVISION

A convoy comprised of 58 ships of which 26 were British, 12 Norwegian, 7 Greek, 7 U.S., 2 Polish, 1 Swedish, 1 Yugo Slav, 1 Belgian and 1 Dutch sailed from Halifax on August 29th under the A/S Escort of H.M.C. Ships "SAGUENAY", "WETASKIWIN", "SKEENA", "AGASSIZ", "SACKVILLE" and "GALT.

A convoy comprised of 57 ships of which 25 were British, 13 U.S., 12 Norwegian, 3 Dutch, 2 Panamanian, 1 Swedish and 1 Honduras sailed from Halifax on August 30th under the A/S Escort of H.M. Ships "VISCOUNT", "ACANTHUS", "TACTICAGE", "POTENTILLA", "EGLANTINE" and "MONTBRETIA".

There were three independent trans-ocean sailings from the Pacific Coast.

GENERAL

H.M.C.S. "ROSTHERN" and H.M. Tug "FRISKY" abandoned the search for the S.S. "EMPIRE BREEZE" torpedoed on August 24th in convoy O.N. 122.

S.S. "ROBERVAL" was sunk in collision with S.S. "RICHELIEU" on August 30th off Cape de La Madeleine. The crew was taken on board "RICHELIEU".

S.S. "PANCHITO" collided with the S.S. "SPRUCE BAY" one mile above Grosseroche, Saguenay River, on August 28th. Both ships were able to return to Port Alfred.

NEW CONSTRUCTIONS

H.M.C.S. "TRURO", a Bangor Class Diesel minesweeper, was commissioned at Quebec on August 27th.

H.M. "MASTERFUL", a rescue tug, was commissioned on August 28th.

H.M.C.S. "STRATFORD", a Bangor Class Steam minesweeper was commissioned at Toronto on August 29th.

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4. WORKS

BOOM DEFENCE

The work at Sydney consisted mainly of preparation of Derrick Scows and other craft for passage to Bay Bulls, Newfoundland.

Preparations are going forward at St. John's, Nfld., for installation of new A/T Gate.

Work at the new Base at Esquimalt is proceeding satisfactorily. Approval has now been given and funds provided for the construction of a storage shed and a board walk and launching ramp, all of which are to be built by Dockyard labour.

NAVAL ORDNANCE

First deliveries of Canadian manufactured guns from the Dominion Bridge Company, Vancouver, should commence in about two weeks.

Arrangements for accommodating R.C.N. reserves of Ammunition and Depth Charge Stores for corvettes at Guantanamo, New York, and Boston are nearing completion.

Successful trials were carried out with Oerlikon guns in a light fabricated mounting which weighs 600 lbs. less than present equipment.

The lack of sufficient repair and manufacturing facilities in Halifax has been making it difficult to send corvettes to sea on time with efficient main armament, but it is expected that on completion of the New Naval Armament Depot, Dartmouth, this difficulty will be lessened.

ANTI/SUBMARINE BRANCH

Approval has been given for the alterations required to fit a second A/S set in H.M.C.S. 'SANS PEUR' and the work is to proceed at an early date.

Plans are under way to provide a small A/S workshop at Bay Bulls Maintenance Base to handle all type of A/S work when ships are in for minor hull repairs.

CONTRACT BUILT SHIPS

During the week, Commissioning was recorded of 2 Minesweepers, H.M.C.S. "TRURO" and "STRATFORD", 2 Western Isle Trawlers, H.M.C.S. "MAGDALEN" and "BAFFIN", and H.M. Rescue Tug "MASTERFUL". Trials were carried out with the Minesweeper H.M.C.S. "WESTMOUNT".

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week in Canadian Ports number 144 in connection with D.E.M.S. and 142 in connection with D.G.

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Four vessels are in hand for arming, etc.

Four ships were reported degaussed in U.S. ports.

DEGAUSSING

Information received from the British Ministry of War Transport states that Swedish vessels are to be considered as Allied for degaussing repairs and installations, accounts being rendered through the British Ministry of War Transport as for Allied Ships.

A brief descriptive report on the Degaussing Range, Vancouver, has been passed, complete with drawing, to the U.S. Naval Attache for his information.

CHIEFS OF STAFF COMMITTEE
5th September
1942

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CHIEFS OF STAFF COMMITTEE
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DEPARTMENT OF NATIONAL DEFENCE

C179860

HQ.S. 5199-U, Vol. 25.

Ottawa, 12th September, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 149

(For week ending 12th September)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	3	0	511	3,477	514	3,476
RCNR	1	43	881	4,617	882	4,656
RCNVR	45	806	3,575	33,445	3,618	34,186
GRAND TOTAL	49	849	4,969	41,539	5,014	42,318
LESS DIV. STR.	—	—	392	4,032	371	4,108
TOTAL ACTIVE SERVICE			4,577	37,507	4,643	38,210

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	3	3
Discharges (a) Med. Unfit	1	14	15
(b) Other Reasons	3	52	55
T O T A L	4	69	73

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	0	0
T O T A L	0	1	1

2. CASUALTIES.

Peter McGILVRAY, Wt. Eng., RCNR, previously reported missing, now reported dead.

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Alex. M. MacLEAN, A.B., A2982, accidentally killed 5.9.42.

John D. FERGUSON, A.B., A4528, died, Peritonitis, 5.9.42.

Lloyd K. HORNBY, Ord. Smn. V18423, lost overboard, 5th August, 1942.

R.J. RACICOT, Ord. Smn. V4315, suffered extensive burns and shock in explosion and fire aboard H.C. 51.

A. SILVER, A.B., V26226, suffered extensive burns and shock in explosion and fire aboard H.C. 51.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	58	439	497
Other Deaths	9	62	71
TOTAL	67	501	568
Wounded or Injured	5	71	76
Prisoners of War	5	1	6

3. OPERATIONS

ATLANTIC

U-boat Activities

U-boats were active in Canadian waters during the week and made their fifty attack in the Gulf of St. Lawrence since May 12th, four ships with Convoy Q.S. 33 being sunk. Two ships were sunk while at anchor in Wabana Anchorage. There were no attacks in the Caribbean area.

The following figures show the number of ships in convoy, and unescorted, that were reported sunk during the week and the areas where the sinkings took place, with comparative figures for the preceding week.

	Week ending September 3rd	Week ending September 10th
Unescorted Trinidad area	4	1
" Gulf of Mexico		1
In Convoy West Indies	3	1
" " Mid-ocean	4	
" " Canadian waters	3	4
At anchor Canadian waters		2
	14	9

The numbers and tonnage of ships reported sunk during the week is shown with comparative figures for the preceding three weeks.

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Week Ending	Cargo	Tanker	Total	Tonnage
20th August	14	4	18	68,800
27th August	5	3	8	43,200
3rd September	10	4	14	89,000
10th September	7	2	9	48,900
T O T A L	36	13	49	249,900

Aug.	10° 16' N 51° 30' W	TOPA TOPA	5,356	Torpedoed--sunk; U.S. Passenger; arrived Trinidad 15/8 W.A.T.12.
1417/5	47° 37' N 52° 55' W	LORD STRATHCONA	7,335	Torpedoed--sunk; Br. Cargo; at Wabana 4/9.
1417/5	47° 37' N 52° 55' W	SAGANAGA	5,454	Torpedoed--sunk; Br. Cargo; at Wabana.
/6	23° 27' N 97° 30' W	AMATLAN	6,650	Torpedoed--sunk, Mex. Tanker; sailed Galveston 3/9 Tampico.
2100/7	48° 50' N 65° 45' W	MOUNT PINDUS	5,729	Torpedoed--sunk; Gr. Cargo; sailed Father Point 6/9 U.K. Q.S.33.
2100/7	48° 50' N 63° 45' W	OAKTON	1,727	Torpedoed--sunk; Br. Cargo; sailed Father Point 6/9 Q.S. 33.
2100/7	48° 50' N 63° 45' W	MOUNT TAYGETUS	3,286	Torpedoed--sunk; Gr.; sailed Father Point 6/9 Q.S. 33.
31/8	10° 36' N 54° 34' W	WINAMAC	8,621	Torpedoed--sunk; Br. tanker; arrived Trinidad 14/8.
0210Z/7	49° 10' N 66° 50' W	AEAS	4,729	Torpedoed--sunk; Br. cargo; sailed Father Point 6/9 U.K. Q.S.33.

Attacks on Convoys

Convoy S.Q. 33

Escorts H.M.C. Ships "HEPATICA", "RACCOON" and "RED DEER". At 0333Z/3 a D/F fix of a U-boat 10 miles east of Cape Chat was obtained. At 0240Z/3 H.M.C.S. "RACCOON", escorting Convoy S.Q. 33 off Matane, reported a torpedo had crossed her bow. Depth charges were dropped in the area but no further contact was made.

Convoy Q.S. 33

Escorts H.M.C. Ships "ARROWHEAD", "RACCOON" and "TRURO" with Fairmiles Q.065, Q.083. Various D/F fixes and sightings of U-boats between September 3rd and 6th established the probability of two or more U-boats remaining in the Gulf of St. Lawrence after the attack on Convoy S.G. 6 on August 27/28.

Convoy Q.S. 33 was attacked on the morning of September 7th off Cape Chat and S.S. "AEAS" was torpedoed

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and sunk at 0210Z/7. Only 2 of the crew of 31 were reported missing. Q.065 brought the 29 survivors to Gaspe.

At 0940Z/7 H.M.C.S. "ARROWHEAD" reported that H.M.C.S. "RACCOON" was not present with the escort at 0930Z/7 and was last seen in position 49° 22' N., 66° 24' W at 0500Z/7. At 1222Z/7 N.O.I.C. Gaspe ordered H.M.C.S. "RACCOON" to report her position, course and speed. At 1412Z/7 air observation showed no signs of "AEAS".

Convoy Q.S. 33 was attacked a second time in position 48° 50' N., 63° 45' W. off Gaspe at 2100Z/7. Three ships S.S. "MOUNT PINDUS", "MOUNT TAYGETUS" and "OAKTON" were torpedoed and sunk. U-boats were not sighted by the escort but as two ships were torpedoed from different sides, it is assumed that an attack was carried out by at least 2 U-boats. At 1810/7 H.M.C.S. "VEGREVILLE" sailed Gaspe escorting S.S. "SARNOLITE" to join Q.S. 33 in position 48° 52' N. 63° 45' W.

At 2131Z/7 H.M.C. Ships "WEYBURN" and "HEPATICA" were despatched from Gaspe to render all possible assistance.

H.M.C. Ships "HEPATICA", "WEYBURN" and "CHEDABUCTO" were ordered to rendezvous in position 49° 01' N. 63° 40' W. at 0100Z/8 and to sweep and hunt to the North-west. No contact was obtained.

Q.083 arrived Gaspe at 0010Z/8 with 78 survivors and estimated that 7 were lost from the three ships sunk in the second attack.

As no further word has been received from H.M.C.S. "RACCOON", she is presumed lost with all hands.

Sightings and attacks on U-boats

An R.C.A.F. plane attacked a U-boat at 1520Z/3 in 51° 00' N. 57° 43' W. in the Belle Isle Straits. Four depth charges were dropped from 150' and exploded within 40' of the position where the U-boat submerged. While there was no actual evidence it was estimated that the U-boat was damaged.

Fortress headquarters in Saint John, N.B., reported that a blimp had sighted an enemy U-boat in position 43° 06' N. 69° 16' W. at 1830Q/4.

A U.S.N. aircraft sighted a U-boat in position 44° 10' N 64° 10' W at 1735Z/7.

An aircraft sighted a U-boat in position 46° 55' N. 63° 50' W. at 1840Z/7.

A U-boat was sighted by the S.S. "PENMAR" in position 44° 16' N. 62° 03' W. at 1110Z/8. H.M.C.S. "GANANOQUE" was despatched to contact the S.S. "PENMAR" and escort to Halifax.

A U-boat was sighted on the surface by an aircraft about 40 miles north-east of Mont Louis at 1143Z/8. The same plane reported sighting a second U-boat in position 50° 10' N. 64° 12' W., near Peroquet Island, at 1645Z/8.

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A U-boat was sighted by a coast watcher in position 47° 40' N. 53° 03' W. at 1240/9.

U-boat sightings were reported by aircraft in the following positions in the Gulf on September 9th.

(1) at 1255/9 in 48° 49' N. 62° 50' W.
(2) at 1415/9 in 48° 45' N. 63° 20' W.
(3) at 1502/9 in 48° 49' N. 62° 52' W.

H.M.C. Ships "HEPATICA","LUNENBURG", "SUMMERSIDE", "RED DEER", "Q.063", "Q.065", "Q.083" and "Q.085" were despatched to make an A/S sweep of the area.

H.M.C. Ships "SUMMERSIDE" and "Q.083" attacked a contact in this area at 1908/9.

Two U-boats were reported sighted by a schooner in 48° 52' N. 67° 40' W. at 1600/9. H.M.C. Ships "WEYBURN", "Q.050" and "Q.064" were despatched to make an A/S sweep of this area.

A U-boat was sighted by a shore watcher at 1450/9 in position 47° 40' N. 52° 45' W. and was attacked by a Naval vessel in the vicinity of Bell Island 47° 37' N. 52° 55' W. at 1720Z/9.

A U-boat was reported by an aircraft to be submerging in position 49° 11' N. 53° W. at 1912Z/9.

H.M. Destroyers "PATHFINDER", "VIMY" and "QUENTON" sank a U-boat on 4th September south of the Barbados. H.M.S. "VIMY" was damaged as a result of ramming the U-boat. Prisoners were taken.

PACIFIC

A submarine was sighted off the coast of California 100 miles north of San Francisco by a Coast Guard plane at 1830Z/5.

A Japanese submarine was sunk near Nazan Bay, Atka on 31st August by a U.S. Destroyer and aircraft. Five prisoners were taken.

Japanese bombers were reported headed for Adak Island on 2nd September.

The existence of ships suitable for landing operations at Kiska together with increased submarine activity in the Aleutian area suggests the possibility of a Commando raid.

Air attacks on Kiska 4th and 5th September inflicted heavy casualties. No opposition was encountered and no landing strip observed.

S.S. "KACKIRSTROI" reported sighting a submarine in 52° 19' N. 138° 50' W. at 0411/9.

TRADE DIVISION

A convoy comprising 46 ships, of which 23 were British, 9 Norwegian, 9 U.S., 4 Dutch and 1 Belgian, sailed

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from Halifax on September 6th under the A/S Escort of H.M. Ships "HURRICANE", "WATCHMAN", "WALLFLOWER", "ANCHUSA", "MONKSHOOD" and "SNOWFLAKE".

A convoy comprising 53 ships, of which 15 were British, 10 Norwegian, 14 U.S., 2 Panamanian, 1 Icelandic, 3 Yugo-Slavian, 4 Dutch, 2 Greek and 2 Swedish, sailed from Halifax on September 5th under the A/S Escort of H.M.C. Ships "ST. FRANCIS", "ORILLIA", "CHILLIWACK", "EYEBRIGHT", "BATTLEFORD", "NAPANEE" and "CHAMBLY".

A convoy comprised of 6 ships, of which 2 were British, 1 Greek and 3 Norwegian sailed from Sydney on September 6th. A/S Escort same as above.

There was one independent trans-ocean sailing from the Atlantic Coast.

GENERAL

U.S. Transport "WAKEFIELD" was stopped and on fire in position 41° 38' N. 62° 49' W. at 0135Q/5. Escorted by U.S.S. "CAMPBELL", "RADFORD", "MURPHY" and "CAPTOR" and towed by Tug "FOUNDATION FRANKLIN", the "WAKEFIELD" was brought to Halifax and beached in MacNab's Cove at 2100Z/8 with the fire under control.

The S.S. "LORD STRATHCONA" and S.S. "SAGANA", ore ships of about 10,000 tons, were torpedoed and sunk while at anchor in Wabana anchorage at about 1417/5. All the crew of S.S. "LORD STRATHCONA" are reported safe but 3 of the crew of the S.S. "SAGANAGA" were killed and 30 at present reported missing. An extensive A/S sweep was made of the Bay but nothing contacted.

An R.C.A.F. Catalina crashed and exploded while landing at Battle Harbour at about 1725Z/5. Shipping was warned to stay clear of the vicinity until two unexploded Depth Charges could be removed from the sunken wreckage.

At 2049Z/5 a torpedo which missed the S.S. "MEADCLIFFE HALL" by about 100 yards while a mile off shore exploded against the shore near Fame Point shattering many windows in the vicinity. Fragments were collected by the authorities for examination.

Two H.M.S. Destroyers from the Western Local Escort Force are to be transferred temporarily to N.O.I.C. Gaspe for Gulf Escort Force. H.M.S. "WITHERINGTON" will join Q.S. 34 and H.M.S. "SALISBURY" will be sailed with S.Q. 36.

Boston - Halifax Convoys terminate with the sailing of B.X. 37. New York - United Kingdom Convoys will be inaugurated with first sailing H.X. Convoy on 17th September and first S.C. Convoy on 19th September. Thereafter H.X. and S.C. Convoys will sail every Thursday and Saturday respectively.

NEW CONSTRUCTION

Western Isle Trawler H.M.C.S. "LISCOMB" was commissioned at Kingston on 8th September.

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4. WORKS

BOOM DEFENCE

The work of laying the A/T nets at Bay Bulls has been delayed because of shipping difficulties.

The new Boom Defence Depot at Esquimalt is progressing favourably, and it has been found possible to use much salvaged material.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 141, and 7 ships are in hand for arming.

DEGAUSSING

Degaussing work was carried out in 20 ships and 2 vessels were depermed.

Preliminary specifications for degaussing Tribal Class Destroyers have been issued to the manufacturer.

CONTRACT BUILT SHIPS

The following information regarding new construction for the past week is available:

Two Minesweepers and two Western Isle Trawlers completed various trials. Four Fairmiles and one Western Isle Trawler were commissioned. Four 105-foot wooden minesweepers were accepted.

ANTI-SUBMARINE BRANCH

A review of A/S trained ratings has shown that while there is still a great shortage it is not as large as had been previously reported.

Experiments with a model A/S Target are being carried out at the National Research Council.

TECHNICAL DIVISION

Considerable progress has been made in Professor Burr's lighting project for ship installation and a high priority has been obtained for obtaining the equipment.

Chemical analysis of water from the salt water distiller of H.M.C.S. "QUINTE" show it suitable for use in storage batteries of ships.

The National Research Council is experimenting with sample ignitrons designed for use in the "LL" gear for the Algerine class as substitutes for D.C. generators and batteries.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,041,775.53.

CHIEFS OF STAFF COMMITTEE
12th September
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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25.

Ottawa, 19th September, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 150

(For week ending 19th September)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	1	0	514	3,476	515	3,475
RCNR	11	55	882	4,656	891	4,693
RCNVR	23	704	3,618	34,186	3,636	34,822
GRAND TOTAL	35	759	5,014	42,318	5,042	42,990
LESS DIV. STR.			371	4,108	355	4,179
TOTAL ACTIVE SER.			4,643	38,210	4,687	38,811

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	6	34	40
Discharges (a) Med. Unfit	1	11	12
(b) Other Reasons	0	42	42
T O T A L	7	87	94

(c) Transfers:

Officers	Ratings	TOTAL
- N I L -		

2. CASUALTIES

4 Officers, 33 Ratings missing, believed lost in H.M.C.S. "RACCOON" 7.9.42. See "RACCOON" Casualty List.

Clifford D. WALLACE, Sub-Lieut., R.C.N.V.R., killed at Dieppe 18.8.42.

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Ross M. WILSON, Sub-Lieut. R.C.N.V.R., killed in aircraft accident 8.9.42.

David James HUGHES, Ordinary Seaman, V41353, killed by motor car.

P. STOCKTON, P.O. Electrician, V23352, suffered chest injuries.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	64	472	536
Other Deaths	9	63	72
TOTAL	73	535	608
Wounded or Injured	5	72	77
Prisoners of War	5	1	6

3. OPERATIONS

ATLANTIC

U-boat Activities

Further attacks and sinkings of ships in Convoy in the Gulf of St. Lawrence during the week indicate that the U-boats responsible for the attack on Convoy QS 33 last week are still lurking in Canadian waters and were responsible for the loss of H.M.C.S. "CHARLOTTETOWN" as well as three ships in Convoy SQ 36.

An extremely heavy attack in mid-ocean on Convoy ON 127 by several U-boats resulted in at least six ships including H.M.C.S. "OTTAWA" being sunk and five others torpedoed.

In southern waters a Trinidad-Guantanamo convoy was attacked with the loss of two sunk and one torpedoed. Five unescorted ships were sunk and three torpedoed in this general area, Trinidad being the focus of the attacks.

The following figures show the areas in which ships reported sunk during the week were attacked, together with comparative figures for the week ending September 10th.

	Week Ending Sept. 10th.	Week Ending Sept. 17th.
Unescorted - Trinidad area	1	4
In Convoy - Trinidad area	-	2
Unescorted - Gulf of Mexico	1	-
Unescorted - Caribbean	-	1
In Convoy - West Indies	1	-
In Convoy - Mid Ocean	-	6
Unescorted - Mid Ocean	-	1
In Convoy - Canadian Waters	4	7
At anchor - Canadian Waters	2	-
	9	21

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The numbers and tonnage of ships reported sunk during the week is shown with comparative figures for the preceding weeks.

Week Ending	Cargo	Tanker	Warships	Total	Tonnage
27th August	5	3	-	8	43,200
3rd September	10	4	-	14	89,000
10th September	7	2	-	9	48,900
17th September	14	4	3	21	102,700
T O T A L	36	13	3	52	283,800

The following list gives particulars of ships sunk about which information has been received during the past week.

TIME	POSITION	NAME	TONS	REMARKS
19 Aug.	07° 58' N 46° 00' W	CRESSINGTON COURT	4,971	Torpedoed--sunk; Br. cargo; arrived Trinidad 11/8 W.A.T.
30 Aug.	10° 52' N 54° 00' W	SIR HUON	6,049	Torpedoed--sunk; Pan. cargo; sailed Port Elizabeth 5/8 Trinidad.
Sept. 2045/6	14° 10' N 71° 30' W	JOHN A HOLLOWAY	1,745	Torpedoed--sunk; Br. cargo; sailed Guantanamo 3/9 Trinidad.
Approx. 0512Z/7	49° 22' N 66° 24' W	RACCOON	372	Torpedoed--sunk; H.M.C.S. Armed Yacht Escorting Q.S. 33.
1435Z/10	51° 30' N 27° 27' W	ELIZABETH VAN BELGIE	4,241	Torpedoed--sunk; Belg. cargo; sailed U.K. O.N. 127.
1435Z/10	51° 30' N 27° 27' W	SVEVE	6,313	Torpedoed--sunk; Nor. tanker; sailed U.K. O.N. 127.
1110Z/11	49° 10' N 66° 50' W	CHARLOTTETOWN	950	Torpedoed--sunk; H.M.C.S. Corvette returning convoy S.Q. 35.
1501Z/12	48° 00' N 35° 50' W	EMPIRE MOONBEAM	6,580	Torpedoed--sunk; Br. cargo; sailed U.K. O.N. 127 New York.

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TIME	POSITION	NAME	TONS	REMARKS
1501/12	48° 00' N 35° 50' W	HEKTORIA	13,797	Torpedoed--sunk; Br. tanker; sailed U.K. O.N. 127 New York.
0900Z/12	10° 27' N 60° 17' W	WOENSDRECHT	4,668	Torpedoed--sunk; Dutch tanker; arrived Trinidad 23/7.
1501Z/12	48° 00' N 35° 50' W	HINDANGER	4,884	Torpedoed--sunk; Nor. cargo; sailed U.K. O.N. 127 New York.
0805/12	10° 30' N 60° 20' W	STANVOC MELBOURNE	10,107	Torpedoed--sunk; U.S.S. tanker; sailed Ascension 27/8.
0040/13	10° 43' N 60° 11' W	OCEAN VANGUARD	6,500	Torpedoed--sunk; Br. cargo; sailed Laurenco Marques 20/8 Capetown.
0600/13	12° 15' N 63° 42' W	EMPIRE LUGLAD	7,250	Torpedoed--sunk; Br. cargo; sailed Trinidad 12/9 T.A.G. 5
0500/13	10° 41' N 60° 24' W	NIMBA	1,854	Torpedoed--sunk; Pan. cargo; sailed Trinidad 29/8 Paramaribo.
2043/14	12° 15' N 63° 42' W	SURINAM	7,915	Torpedoed--sunk; Dutch passenger; sailed Trinidad 12/9 T.A.G. 5.
2118/15	49° 00' N 64° 00' W	SATURNUS	2,741	Torpedoed--sunk; Dutch cargo; sailed Sydney S.Q. 36.
2118/15	49° 00' N 64° 00' W	INGER ELIZABETH	2,166	Torpedoed--sunk; Nor. cargo; sailed Sydney S.Q. 36.
0630Z/16	47° 35' N 51° 44' W	EMPIRE SOLDIER	4,539	Sunk in collison, Br. cargo, sailed Halifax S.C. 100 12/9.

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TIME	POSITION	NAME	TONS	REMARKS
0710/16	49° 10' N 67° 05' W	JOANNIS	3,667	Torpedoed--sunk; Gr. cargo; sailed Sydney S.Q. 36.
0005/14	47° 55' N 42° 27' W	OTTAWA	1,375	Torpedoed--sunk; H.M.C.S. Destroyer in convoy O.N. 127.

The following ships were reported attacked during the past week;

1435Z/10	51° 23' N 28° 13' W	EMPIRE OIL	8,029	Torpedoed, Br. tanker sailed U.K. O.N. 127 New York.
1435Z/10	51° 30' N 27° 27' W	F.J. WOLFE	12,190	Torpedoed, Br. tanker, sailed U.K. O.N. 127.
2315Z/10	50° 40' N 29° 20' W	FJORDAAS	7,361	Torpedoed, Nor. tanker sailed U.K. O.N. 127 New York.
2225Z/10	51° 15' N 28° 55' W	MARIT II	7,417	Torpedoed, Nor. tanker sailed U.K. O.N. 127 New York.
2040Z/11	13° 05' N 54° 37' W	CORNWALLIS	5,458	Torpedoed, Br. cargo arrived Barbados 6/9.
0530/12	12° 15' N 63° 52' W	VILJA	6,672	Torpedoed, Nor. tanker sailed Trinidad 9/9 Guantanamo.
1501Z/12	48° 00' N 35° 50' W	DAGCHILD	9,272	Torpedoed, Nor. tanker sailed U.K. O.N. 127 New York.
2345Z/12	22° 53' N 47° 12' W	PATRICK J.V. HURLEY	10,864	U.S. Tanker, sailed Aruba 8/9 Belfast. Shelled.
1333Z/15	11° 05' N 60° 46' W	KIOTO	3,297	Torpedoed, Br. cargo sailed Laurenco Marques 20/8 Capetown.

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0710/16	49° 10' N 67° 05' W	ESSEX LANCE	6,625	Torpedoed, Br. cargo, sailed Sydney S.Q. 36 13/9 Quebec.

Attacks on Convoys

Convoy O.N. 127 - 33 ships

Escorts - H.M.C.S. "ST. CROIX", "OTTAWA", "ARVIDA", "SHERBROOKE", "AMHERST", and H.M.S. "CELANDINE".

The convoy was heavily attacked in mid-ocean by a large number of U-boats between September 10th and 13th as follows:

S.S. "ELIZABETH VAN BELGIE", torpedoed, sank, 44 survivors out of 50.

"F.J. WOLFE", torpedoed but remained with convoy.

"SVEVE", torpedoed, sunk, whole crew rescued.

"EMPIRE OIL", torpedoed twice, abandoned afloat with engine room wrecked, believed sunk, all but 2 of crew rescued.

"MARIT II", torpedoed.

"FJORDAAS", straggled, believed torpedoed, last seen 2315Z/10.

In addition to these losses, S.S. "DAGCHILD" was torpedoed but remained with the convoy and the following ships are reported as follows:

LIBERTY GLOW	Straggling and missing
LAURITIS SWENSON	" " "
HERANGER	" " "

During the first attack on September 10th - 11th the escort made several counter attacks without definite results.

The convoy was attacked three times on the night of September 11th - 12th at

1727Z/11 in position	49° 31' N	32° 20' W
0124Z/12 in position	48° 41' N	33° 22' W
0424Z/12 in position	48° 29' N	33° 52' W

and the following ships were torpedoed and sunk

HEKTORIA	86 survivors, 1 drowned
EMPIRE MOONBEAM	Whole crew saved - 55
HINDANGER	39 survivors, 1 killed

At 1735Z/11 H.M.C.S. "ST. CROIX" sighted a U-boat on the surface at a distance of 7 miles but the U-boat dived when "ST. CROIX" was within 5 miles. Continuous air cover was given the convoy from early on the 13th.

A further attack was carried out on the 14th when H.M.C.S. "OTTAWA" was torpedoed and sunk at 0005Z/14 in position

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47° 55' N 42° 27' W and a tanker was torpedoed at the same time. The U-boat was sighted on the surface. H.M.C.S. "ST. CROIX" attacked 2 or 3 U-boat contacts and considers that one was possibly successful.

Convoy S.Q. 36

Escorts - H.M.S. "SALISBURY", H.M.C.S. "ARROWHEAD", "VEGREVILLE", "SUMMERSIDE", "CHEDABUCTO", "Q.063", "Q.082".

Convoy S.Q. 36 consisting of 22 ships sailed Sydney at 2130Z/13 and was attacked off Cap des Rosiers by one or more U-boats, S.S. "SATURNUS" and "INGER ELIZABETH" being torpedoed and sunk.

The U-boat was first sighted in the centre of the convoy and was attacked by gunfire from the convoy, 2 possible hits being scored. H.M.S. "SALISBURY" and a corvette counter attacked and oil, indicating possible damage to the U-boat, was observed on the surface.

At 0744P/16 the convoy was attacked off Cape Chat in position 49° 19' N 67° 05' W and the S.S. "JOANNIS" was torpedoed and sunk, the whole crew being saved. At the same time S.S. "ESSEX LANCE" was torpedoed and remained afloat and was taken in tow by H.M.C.S. "VEGREVILLE". There was no visible effect from the depth charge attack carried out by the escort.

As a result of these attacks all local coastal shipping in the Gulf of St. Lawrence was held up for 24 hours from 1455Z/16. Convoys were not affected.

H.M.C.S. "CHARLOTTETOWN"

H.M.C.S. "CHARLOTTETOWN" with H.M.C.S. "CLAYOQUOT" arrived Bic 2200Z/10 escorting convoy S.Q. 35, and sailed for Gaspe after the convoy had dispersed. Sailing of Convoy Q.S. 34 was delayed for 24 hours and the escorts for Q.S. 34, H.M.S. "WITHERINGTON", H.M.C.S. "WEYBURN" and "CHEDABUCTO" were ordered to carry out an A/S search near Cape Chat.

A U-boat was sighted by a shorewatcher in position 49° 10' N 66°50' W at 1105Z/11. At 1420Z/11 H.M.C.S. "CLAYOQUOT" reported H.M.C.S. "CHARLOTTETOWN" was torpedoed off Cape Chat at 1110Z/11 in heavy fog and sank in three minutes.

H.M.C.S. "CLAYOQUOT" arrived Gaspe 2320/11 with 57 survivors from "CHARLOTTETOWN". The Commanding Officer, Lt. Com. J.W. Bonner, and 5 members of the crew were lost; one of the survivors died after landing. H.M.C.S. "CLAYOQUOT" carried out two attacks on the U-boat which sank H.M.C.S. "CHARLOTTETOWN" the second resulting in an exceptionally heavy explosion which may have indicated a successful attack.

Convoy S.C. 100

S.S. "EMPIRE SOLDIER" in convoy S.C. 100 was in collision with S.S. "F.J. WOLFE" torpedoed in convoy O.N. 127 and being escorted to St. John's, N.F., by H.M.C.S. "AMHERST". "EMPIRE

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SOLDIER" sank at 0445Z/16 in position 47° 35' N 51° 44' W off St. John's, Nfld. The whole crew was rescued.

Convoy T.A.G. 5

Convoy T.A.G. 5 was attacked shortly after it left Trinidad with the following results:

0530Z/12 "VILGA", torpedoed but returned to Trinidad under her own power.

0600Z/13 "EMPIRE LUGLAD", torpedoed - sunk.

2043/14 "SURINAME", torpedoed, sunk.

U-boat Sightings

Twenty-three U-boat sightings were reported during the week, 8 of which were in the Gulf of St. Lawrence. In addition 8 out of the 23 U-boat sightings were reported by the Air Detection Corps.

Attacks on U-boats

Nine attacks on U-boats were made during the week in addition to those reported under "Attacks on Convoy". Two of these were in the Gulf of St. Lawrence and were made by aircraft. One was made on the 9th of September when a Hudson aircraft machine-gunned a U-boat conning tower and dropped four depth charges which exploded directly over the U-boat which was at periscope depth and submerging. Large oil slicks were observed 3 hours later and the U-boat was considered damaged.

On 16th September a Hudson aircraft sighted a U-boat on the surface and bracketed it with four depth charges which exploded in the U-boat swirl. Much oil was noted 2 to 5 minutes after the attack.

The other 7 attacks were made in the Caribbean and off the U.S. Atlantic seaboard.

PACIFIC

At 0624Z/9 an unidentified single float bi-plane dropped incendiary bombs near Brookings, Oregon. A fire later started in this vicinity and fragments of the bomb with Japanese characters together with rubber covered pellets were recovered.

At 1055/9 a submarine was sighted and attacked by a U.S. Army plane with undetermined results 40 miles south-west of Cape Blanco. It appears possible that the plane sighted was launched from the submarine.

SOLOMON ISLANDS

A strong attempt to recapture Guadal Canal is indicated by the presence in the Solomon area reported at 0321Z/14 of

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the following Japanese ships:-

2 Battleships
3 Aircraft carriers
1 Cruiser
20 Destroyers

ALEUTIANS

U.S. Submarine S. 30 was attacked by Zero fighters with single floats at 0030 PDT September 14th.

TRADE DIVISION

Halifax 37 ships, sailed September 13th

A/S Escort: H.M.S. "HARVESTER", Polish "PIORUN", H.M.S. "ORCHIS", "HEATHER", "NARCISSUS", F.N.F.L. "RENONCULE", H.M.C.S. "LOUISBURG", "PRESCOTT", "WOODSTOCK".

British 21, Dutch 2, U.S. 6, Pan. 3, Nor. 5.

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Halifax 22 ships, sailed September 12th
Sydney 2 ships, sailed September 13th
Wabana 2 ships, sailed September 15th

A/S Escorts: U.S.S. "SPENCER", H.M.S. "CAMPBELL", "ROSTHERN", "NASTURTIUM", H.M.C.S. "BITTERSWEET", "TRILLIUM", "MAYFLOWER", "LUNENBURG", "WEYBURN".

British 14, Pan. 1, Norwegian 5, U.S. 2, Belgian 2, Greek 1, Swedish 1.

- - - - - - - - - -

Trans-Ocean sailings ..... Nil
Pacific Coast ..... Nil

GENERAL

On September 11th E.A.C. reported sighting two rubber dinghies and a grey lifeboat about 15 miles off Cape Chat.

Commencing with Convoy O.N. 125, Convoys will proceed direct to New York instead of through the Cape Cod Canal.

At 2028Z/13, E.A.C. reported sighting an empty life-raft off Cape Magdalen. H.M.C.S. "HEPATICA" and "RED DEER" were ordered to investigate.

At 0130Z/16 red flares and heavy gunfire were reported in the vicinity of 43° 20' N. 65° 28' W. H.M.S. "FIREDRAKE" was ordered to investigate and reported that 5 star shells and snowflakes had been fired by C.T.U. 24.1.5 while investigating a possible contact in position 40° 10' N. 64° 45' W at

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0130Z/16. Nothing was seen.

Two white rockets were reported 15 miles off Shelburne at 0045Z/17 and at 0105Z/17 and off Shelburne whistle buoy at 0140Z/17. Aircraft and crash boats were despatched to investigate.

It is noted that cases of U-boats using a camouflage consisting of the conning tower painted white and hull sea green have occurred recently. At a distance this has the effect of making the U-boat appear very similar to a sailboat.

H.F. - F.H. Convoys

In future convoys between Halifax and Bay of Fundy and reverse will be termed H.F. and F.H. respectively. H.F. convoys will be sailed every 7 days commencing with H.F. 1 on 13th September.

B.W. - W.B. Convoys

Convoys of ore vessels between Sydney and Wabana and reverse are to be termed B.W. and W.B. The first B.W. convoy sailed Sydney 11th September and the first W.B. 15th September.

Reinforcing Group

A temporary reinforcing Group is to be established in Mid-Atlantic with the primary objective of the extinction of U-boats rather than the defence of trade. It will be termed the 20th Escort Group and will sail to join convoy O.N.S. 132 in 20° W on 23rd September.

Oiler "LAURELWOOD" will sail in Convoy O.N.S. 132 and will be available for fuelling the 20th Group, carrying buoyant rubber hose for the purpose.

The 20th Group will consist of H.M.S. "STORK", "DEPTFORD" and "ROTHERSPEY" and three "S" class destroyers to be detailed.

NEW CONSTRUCTION

H.M.C. Bangor steam M/S "WESTMOUNT" was commissioned at Toronto at 1300Z/15th September.

H.M.C.S. "DIGBY" has been allocated to the Sydney Force from 15th September following working up at Halifax.

4. WORKS

BOOM DEFENCE

At Shelburne, dredging is in progress to remove the shoal off shore from the Net Launching Ramp.

Salvage operations of B.D. 97, which sprung a leak at St. Pierre, have been completed.

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Approximately 1,100 tons of equipment for Bay Bulls has been shipped from North Sydney.

ANTI-SUBMARINE BRANCH

The National Research Council has under way the construction of a U.S.N. type electrical target believed to be an improvement on the R.N. "Blinker" Target.

Naval Staff have approved the modification of Asdic sets installed in 68 corvettes now in commission.

The site for the A/S station on the Straits of Juan de Fuca is now being investigated.

CONTRACT BUILT SHIPS

The following progress has been reported during the past week:

Three minesweepers made various successful trials, and H.M.C.S. "WESTMOUNT" was commissioned.

Two Western Isles Trawlers and the rescue tug, "EMINENT", were commissioned.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 208. Three ships had 12 Pdr. H.A./L.A. Guns mounted, and four more are in hand arming.

DEGAUSSING

The first two Canadian Wooden Minesweepers have been ranged and tested in Halifax, and degaussing installed.

During the week, twenty-one ships were degaussed, and three depermed.

NAVAL ORDNANCE

The first production of Two Pounder Ammunition for R.C.N. orders on this Continent has been filled and assembled at Pickering and delivered to Halifax and Esquimalt.

The Admiralty are arranging to send 2000 lb. depth charges from the United Kingdom together with special fittings for discharge from Torpedo Tubes of the River and Town Class Destroyers.

TECHNICAL DIVISION

The installation of LL gear on H.M.C.S. "WESTMOUNT" was completed when she was commissioned.

The Chemistry Division of the National Research Council has produced a material as a substitute for rubber boot soles

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and uppers. Samples are to be tried by the R.C.N.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $618,866.39.

CHIEFS OF STAFF COMMITTEE
19th September
1 9 4 2

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MOST SECRET

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SUMMARY OF NAVAL WAR EFFORT

JULY 1ST TO SEPTEMBER 30TH, 1942

NOTE: This summary is a continuation of that from April 1st to June 30th, 1942.

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THIS SUMMARY IS TO BE KEPT LOCKED UP WHEN NOT IN USE, AND WHEN DESTROYED IS TO BE DESTROYED BY FIRE.

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I - NAVAL SERVICE HEADQUARTERS

1. Part of the top floor of the new Naval Service Headquarters Building being complete, some of the offices were occupied on the 11th October. It is anticipated that the main move will be completed by the end of November.

2. Since the last Quarterly Report, the only major changes in organization have been the transfer of F.I.S. from Intelligence to Signals (as D/D.S.D.("Y")), and the Photographic Section from Intelligence to the Supply and Equipment Branch.

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II - PERSONNEL C179881

1. General

Shortage of trained personnel is still acute. The rate of entry of Officers and ratings has been restricted only by the capacity of the training establishments. In this connection it is noted, that, unfortunately, progress has been slowed at Digby by the lack of labour and the original contemplated date of completion will not be met.

2. In view of the general manpower shortage and the demands that will inevitably have to be made for the fleet, it is not contemplated that this shortage as regards shore establishments especially, can ever be entirely overcome.

3. It is hoped, however, that the W.R.C.N. Service and the new Branch for Special Service ratings, which is in the course of formation, will alleviate the situation to some extent. It seems inevitable, however, that shore establishments must, in future, be prepared to accept a shortage of trained, medically fit male personnel.

4. Strength

Numbers on Active Service to date 1st September, 1942, were:

Officers	4672
Ratings	38478
TOTAL	43150

5. Training

Long Courses for Officers in Gunnery, Torpedo, Navigation, Anti-Submarine and Signals were carried on in Canada, throughout the schools. Two R.C.N. Officers completed a Long Signal Course in H.M.S. "MERCURY", one is undergoing a Long Torpedo Course in H.M.S. "VERNON", one a Long A/S Course in H.M.S. "OSPREY", and one a Long Gunnery Course in H.M.S. "EXCELLENT". In addition 14 R.C.N.V.R. Lieutenants underwent courses during the quarter in the U.K. for Gunnery, Torpedo, Anti-Submarine, and qualified as I.N.O. All R.C.N.V.R. Officers selected for courses in England must previously have qualified in Canada in a long Course in their Branch. A Watchkeeping Certificate is now a prerequisite for any Officer undergoing such a course in Canada.

6. Training of ratings in Hamilton, Galt, Edmonton, Calgary and Toronto was continued. These classes have largely obviated the acute shortage of skilled ratings of the Artificer and Artisan Branches that became apparent late in 1941. In addition to these ratings and to normal training carried out in Canada a pool of Stokers has been sent to the R.N. for training and will be available for Canadian Naval Service in the future.

7. Shortage of trained ratings with Sea Service is being felt by the Schools where the courses for non-substantive ratings cannot be filled to capacity by qualified ratings.

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8. Promotion from Lower Deck

During the quarter 109 ratings were promoted to Commissioned rank and 32 to Warrant Rank.

9. Personnel Serving with the R.N.

The number of Officers and ratings serving with the R.N. is being maintained in spite of the fact that large numbers of Officers are now returning to Canada, on completion of 2 years' service with the R.N., for Foreign Service Leave and subsequent appointment in Canada. Replacements for such Officers are now required to have at least 4 months' sea-time. A list of volunteers for service with the R.N. is maintained at Headquarters from which replacements are selected.

10. Medical

Tha amount of work covered by the Medical Branch and the ability with which it has been performed is reflected in the sickness incidence which has been maintained at a satisfactory low percentage.

11. The Naval Service now has specialists in every field of medicine, and is fully capable of meeting any problem which might arise.

12. The results of work undertaken by the Naval Medical Research Unit are watched with great interest. Some 25 subjects are now under investigation in such diversified fields as diet, lighting aboard ships, colour vision, selection of A/S personnel, life-boat rations, cause and cure of seasickness.

13. In addition to achievement in hospital and laboratory, the Medical Branch have carried out their duties afloat in all the theatres of war.

14. Forty Medical Officers are maintained on loan to the R.N. on the same basis as Executive Officers and are replaced at the end of 2 years' service.

15. Accountant

On the 18th August the supervision of S.N.P.A.'s Division was transferred from Civilian to Naval Personnel, Paymaster Lieutenant-Commander C. F. G. Hill, R.C.N.V.R., being appointed S.N.P.A., and Mr. V. Barbes being promoted to a new position on P.D.G.'s staff under the title of Civilian advisor on Naval Pay Accounting (C.A.N.P.)

16. A considerable amount of internal organization has been accomplished and in co-operation with the Naval Treasury a more satisfactory accounting of public monies is being obtained. Difficulty is experienced in retaining or obtaining competent civil personnel which, it is hoped, is now being overcome.

17. Naval College

Arrangements for the establishment of the Royal Canadian Naval College were completed during the quarter and the first two classes selected for the one and two-year courses.

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18. The official opening of the College is scheduled to take place on 21st October, 1942.

19. Personnel Identification Bureau.

Issuing of New Type Identification Cards whereby photograph, fingerprints, signature and description of all Naval Personnel and civilians attached to the Department is shown, has proceeded satisfactorily throughout the quarter. It is hoped that in the near future all members of the Naval Service will have been provided with cards and that the attention of the Personnel Identification Bureau can be concentrated on new entries only.

20. W.R.C.N.S.

The first class of candidates for the W.R.C.N.S. graduated on the 28th September, 1942. 22 Probationary Wrens were promoted to Probationary 3rd Officers, one to Acting Chief Petty Officer Wren, two to Acting Petty Officer Wren, 20 to Acting Leading Wren and twenty-one to Wren. With the three Officers lent, and the two Officers transferred, from the W.R.N.S., they will undertake the instruction of the 60 Probationary Wrens that will be entered each week. It is expected that the Training Establishment at Galt will open on 15th October, 1942.

21. Special Projects.

Due to the impossibility of obtaining competent civilian personnel the Naval Service has been forced from time to time to take over Special commitments normally undertaken by civilians. To meet these commitments a new branch for Special Service ratings is in course of formation, whereby medicaly unfit and overage ratings will be made permantly available for specialized shore duties. Special Service ratings will not be required to qualify professionally for advancement.

22. Amongst the projects that will be expedited by this Branch is the new "Building and Construction Corps". The immediate purpose of this organization is to hasten the construction of buildings which are immediately required by the Naval Service and which cannot be handled by normal contracting methods. The "Building Construction Corps" will be organized into units consisting of three Officers and 56 ratings and will be in no way connected with Dockyard Organization but will function under the immediate direction of Naval Service Headquarters. The formation of the first 2 units was commenced in September and it is expected that they will shortly be despatched for duty in Prince Rupert.

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CANADIAN NAVAL CASUALTIES -

Officers	-	15
Ratings	-	165
TOTAL:		180

OFFICERS

NAME	RANK	UNIT
DIAMOND, John Edmund	Lieutenant,	R.C.N.V.R.
COOK, John Frederick	Lieutenant T,	R.C.N.V.R.
McCONNELL, Russell Henry	Sub-Lieutenant,	R.C.N.V.R.
SMITH, John Norman	A/Lieut. Commander,	R.C.N.R.
THOMAS, James Edward	Sub-Lieutenant,	R.C.N.V.R.
BONNER, John Willard	A/Lieut. Commander,	R.C.N.R.
HENDRY, George Ainslie	Surgeon Lieutenant,	R.C.N.V.R.
McLEOD, Ian Stanley	Lieutenant,	R.C.N.V.R.
RUTHERFORD, Clark Anderson	Lieut. Commander,	R.C.N.
WILSON, Donald Alexander	Sub-Lieutenant,	R.C.N.
WRIGHT, Keith Francis	Sub-Lieutenant,	R.C.N.V.R.
KILGOUR, William Geo.	Sub-Lieutenant,	R.C.N.
WILSON, Ross MacRae	Sub-Lieutenant,	R.C.N.V.R.
WALLACE, Clifford Davidson	Sub-Lieutenant,	R.C.N.V.R.
LANE, Stuart Clarke	Lieutenant,	R.C.N.V.R.

PRISONERS OF WAR - From 1st July, 1942.

Officers	-	1
Ratings	-	2
TOTAL:		3

OFFICERS:

NAME	RANK	UNIT
McRAE, Robert Forbes	Lieutenant,	R.C.N.V.R.

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INTERNEES - From 1st July, 1942.

OFFICERS: Officers - 2

NAME	RANK	UNIT
COCKS, John Henry McGregor	Paymr. Midshipman	R.C.N.
WILMOT, Allan Hopkins	Midshipman	R.C.N.

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1. The following table shows the number of H.M.C. Ships (i.e. Fairmiles, A/S Minesweepers and above) in commission in each class together with all H.M. Ships operating under the orders of Canadian authorities at the end of the third quarter of 1942:

Class	H.M.C. Ships	H.M. Ships	Total
Auxiliary Cruisers	3		3
Destroyers	12	17	29
Corvettes	76	5	81
Bangor M/S	43	6	49
A/S Yachts	10		10
Fairmiles	36		36
Isles Trawlers		6	6
Motor A/S Boats	1		1
TOTALS	181	34	215

AUXILIARY CRUISERS:

2. H.M.C.S. "PRINCE HENRY" completed her annual refit and returned to operational duty on July 22nd. The three auxiliary cruisers were constantly employed on patrol off the West coast until the end of August when they were placed under the orders of the Commander North West Sea Frontier, U.S. Navy, for special duties. They continued under his orders at the end of the quarter.

DESTROYERS:

3. All R.C.N. Destroyers continued to be employed on convoy escort duty in the Mid-Ocean and Western Local escort forces.

4. H.M.C.S. "OTTAWA" one of our six River Class Destroyers was lost on September 14th, 1942. She was torpedoed and sunk while escorting Convoy O.N. 127.

CORVETTES:

5. Canadian Corvettes were distributed mainly between the Mid-Ocean and Western Local Escort forces, with small units operating on the West Coast, in the Gulf of St. Lawrence and as tanker convoy escorts between Halifax and Aruba.

6. With the sailing of the first New York-Guantanamo convoy on August 27th, six R.C.N. Corvettes were placed under the orders of the Commander Eastern Sea Frontier for escort duty, with these convoys, the special Canadian tanker convoys being abandoned.

7. Late in August two of the corvettes on the West Coast were placed under the orders of the Commander North Western Sea Frontier together with the three Auxiliary Cruisers noted above.

8. During September seventeen Corvettes were placed at the disposal of the Commander-in-Chief, Western Approaches, for special duties in British waters. In order to carry this out, five Corvettes were transferred from the Pacific Coast without relief the remainder being taken from the Gulf and Western Local Escorts Forces and relieved by Bangors.

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A/S MINESWEEPERS:

9. Eleven Bangor Minesweepers were commissioned during the quarter, leaving only five to complete 1940-41 programme of 48. Bangors have been used chiefly for coastal convoy and patrol duties with some local minesweeping. They are being called on to fill some of the gaps in the Western Local and Gulf Escort forces left by Corvettes allocated to C. in C., W.A. Five Bangors have been fitted with LL Sweeps.

FAIRMILES:

10. All thirty-six Fairmiles of the 1940-41 building programme are now in service. On the East Coast and Newfoundland they are used for local patrol and coastal convoy duty. Six on the West Coast maintain a constant A/S patrol in the Strait of Juan de Fuca.

11. The Fairmile depot ship, "PRESERVER", which commissioned in July was allocated to the Newfoundland Force on completion of working up. Her sister ship, "PROVIDER" is not expected to be in service until December.

12. Three Fairmile Flotillas (18 vessels) will be placed under orders of U.S.N. Authorities during the winter months. Six will be based at Aruba and twelve with H.M.C.S. "PROVIDER" at Trinidad.

13. Approximately fourteen of the 1941-42 programme will be completed in 1942.

105' MOTOR MINESWEEPERS:

14. "LLEWELLYN" and "LLOYD GEORGE", first of this class to be built for the R.C.N., commissioned on 24th August. They are at present working up in Halifax and will be allocated to the Halifax Local Defence Force on completion. A further eight of these vessels are now building on the West Coast.

WESTERN ISLES A/S M/S TRAWLERS:

15. The first eight Western Isles Trawlers built in Canada for the R.N. have been allocated for service under Canadian authorities. Six commissioned during the quarter. Of these one is now at Halifax working up and the other five are still at builders' yards or en route Halifax for working up. The remaining two are expected to be completed in October.

U-BOAT ACTIVITIES:

16. With the inauguration of coastal convoys along the Western Atlantic seaboard and the resultant decrease of unescorted shipping, attacks on both ocean and coastal convoys became more prevalent during the quarter. The following table listing the areas in which vessels were sunk indicates this trend.

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SHIPS REPORTED SUNK

	Four weeks ending July 30	Four weeks ending August 27	Five weeks ending October 1	13 weeks ending October 1
St. Lawrence	5	--	15	20
Atlantic Coast	10	2	1	13
Western Atlantic	6	2	-	8
Mid-Atlantic	2	11	18	31
Caribbean	10	11	5	26
Trinidad area	11	23	26	60
Gulf of Mexico	19	4	1	24
Bermuda area	-	1	-	1
Unknown	1	1	-	2
TOTAL	64	55	66	185
In convoy	7	22	34	63
Unescorted	57	33	32	122
TOTAL	64	55	66	185
Tankers	10	10	12	32
Cargo	54	45	50	149
Warships	-	-	4	4

17. The heaviest losses occured in the neighbourhood of Trinidad, particularly during August and September. At the same time attacks and sinkings in the Gulf of Mexico dropped from 19 in July to 4 in August and 1 in September.

18. U-Boat commanders turned their attention to Mid-Ocean convoys in the last two months of the quarter 22 ships including H.M.C.S. "OTTAWA" being sunk in attacks on 7 convoys. Practically no attacks were made in the Western Atlantic or along the Eastern seaboard of the United States during this period.

19. Convoys in the Gulf of St.Lawrence were attacked in July when 5 ships were lost and in September when 12 ships including H.M.C.S. "CHARLOTTETOWN" and H.M.C.S. "RACCOON" were sunk.

20. The following is the estimated tonnage of ships reported sunk west of the chop line during September quarter 1942. This figure is 29% less than that estimated for June Quarter 1942.

Period	Weeks	Tonnage
July 3rd - July 30th	4	282,200
July 31st - August 27th	4	245,500
August 28th - October 1st	5	332,200
	TOTAL	869,900

21. The quarter has been marked not only by several very promising attacks on U-Boats by both aircraft and surface vessels but by the sinkings of 5 U-Boats between July 27th and August 27th, four of which took place in mid-ocean and 1 in the Caribbean.

ATTACKS ON CONVOYS:

22. The following list shows the ocean convoys and Canadian coastal convoys that were attacked west of the chop line during the quarter ending September 30th.

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Convoy	Merchant Ships	Escorts	Date & Position of Attack	Torp. Sunk	Torp. Arr'd.
B.X.27	23	7	July 3rd 200' E.of Boston	1	-
Q.S.15	14	1	July 6th off Cape Chat	3	-
Q.S.19	10	6	July 20th off Cape Magdalen	1	-
O.N.113	23	11	July 25,26, & 29th, mid-ocean	3	1
O.N.115	23	12	Aug.3rd, Mid-Ocean	2	2
S.C.94	34	12	Aug. 5& 8, Mid-Ocean	5	1
O.N.122	36	11	Aug. 23, 24, Mid-Ocean	3	2
S.G. 6	5	3	Aug. 28th, Belle Isle	2	1
S.C. 97	63	6	Aug. 31st, Mid-Ocean	2	-
L.N. 7	3	2	Sept. 3rd, Belle Isle	1	-
Q.S. 33	2	5	Sept. 7th, Cape Chat	2	-
			Gaspe	3	-
O.N.127	33	6	Sept. 10,11,12,13	7	4
S.Q. 36	22	7	Sept. 13th, Cap des Rosiers	2	-
			Sept. 16th, Cape Chat	1	1
S.C.100	24	9	Sept. 20 & 22, Mid-Ocean	3	2
O.N.S.130	28	6	Sept. 22nd, 400' off St. John's, Nfld.	-	1
R.B.1	8	2	Sept. 25, 26 Mid-Ocean	1	-
H.X.209	35	11	Sept. 29th, off St.John's, Nfld,	-	1

GULF OF ST. LAWRENCE:

23. The original attacks on shipping in the St. Lawrence on May 12th were followed by a lull until July 6th when convoy Q.S. 15 was attacked off Cape Chat and 3 ships were sunk. H.M.C.S. "DRUMMONDVILLE" escorting, believed she damaged the U-Boat in a counter-attack. The same day a Hudson bracketed a U-Boat on the surface off Seven Islands with depth charges and a scum of yellow oil was observed.

24. The next attack was on July 20th when one ship ex-Q.S.19 was sunk off Cape Magdalen. Another period of inactivity on the part of U-Boats in the Gulf was broken on August 28th with the sinking of two ships ex-convoy S.G.6 in the Straits of Belle Isle. The U-Boat apparently skulked in the area for S.S. "DONALD STEWART" en route Hamilton Inlet in L.N. 7 was torpedoed and sunk six days later 75 miles south of the Straits. An R.C.A.F. plane attacked and damaged a U-Boat in the vicinity on the same day.

25. From the large number of U-Boat sightings and D/F reports during the remainder of September it appears probable that U-Boats were present in the Gulf and patrolling three definite areas viz.

(a) The south shore of the river, west from Cape Chat
(b) The mouth of the river between Gaspe and Anticosti
(c) The north shore of P.E.I. and the southern half of the Gulf.

26. Both aircraft and surface vessels carried out several promising attacks on U-Boats in the Gulf during September but U-Boats attacked three convoys, sinking 9 ships including H.M.C.S. "CHARLOTTETOWN" and H.M.C.S. "RACCOON", and torpedoing 1 ship which was successfully towed to Quebec.

27. On the night of September 3rd H.M.C.S. "RACCOON" escorting S.Q. 33 reported a torpedo crossed her bow when off Matane. It was a clear moonlight night and "RACCOON" promptly ran up the torpedo track and dropped depth charges. Two nights later a torpedo missed a merchant ship by 100 yards off Fame Point, and exploded against the shore shattering windows in the vicinity. Fragments of the torpedo were collected.

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O.N.115	23	12	Aug.3rd, Mid-Ocean	2	2
S.C.94	34	12	Aug. 5& 8, Mid-Ocean	5	1
O.N.122	36	11	Aug. 23, 24, Mid-Ocean	3	2
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CONVOY Q.S. 33

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28. On the morning of September 7th, Q.S. 33 was attacked in heavy fog off Cape Chat and S.S. "AEAS" was sunk. The Convoy proceeded on its way and at some time during the A.M., H.M.C.S. "RACCOON" was presumably torpedoed and sunk with all hands for she was last seen four hours after the "AEAS" was sunk. Various pieces of wreckage including a life jacket marked "HALONIA" the original name of "RACCOON" were subsequently found near Ellis Bay, Anticosti. The convoy was attacked the evening of the same day off Gaspe, three ships being torpedoed and sunk. As two of the ships were torpedoed from different sides, it seems probable that more than one U-Boat was involved.

29. On September 9th an R.C.A.F. Hudson sighted and machine-gunned a surfaced U-Boat 50 miles east of Gaspe. Depth charges were dropped 70 feet ahead of the swirl where the U-Boat submerged before the second attack. A large oil slick, visible the next day, developed immediately. The U-Boat was camouflaged with a green hull and the conning tower was painted white presumably to simulate sails. H.M.C.S. "SUMMERSIDE" and Fairmile Q.083 attacked a contact in the same area later the same day.

30. The U-Boats that had presumably been responsible for the attacks on Q.S. 33 and S.Q. 36, torpedoed and sank H.M.C.S. "CHARLOTTETOWN" on September 11th when she was returning to Gaspe in company with H.M.C.S. "CLAYAQUOT" from escorting S.Q. 35 to Bic Island. The attack took place off Cape Chat at noon in thick fog "CHARLOTTETOWN" sinking in 3 minutes with the loss of the Commanding Officer and five of the crew. One of the fifty-seven survivors died after landing.

CONVOY S.Q. 36

31. On the night of September 13th a U-Boat was sighted in the centre of convoy S.Q. 36 when off Cap des Rosiers. The convoy attacked the U-Boat with gunfire scoring two possible hits. Shortly afterwards two ships were torpedoed and sunk and on the morning of the 16th a second attack, off Cape Chat resulted in the sinking of one ship and the torpedoing of another which, however, was subsequently towed to Quebec.

OCEAN CONVOYS

32. Convoy O.N. 113

D/F Fixes indicated that the convoy was being shadowed and a U-Boat was sighted and gunned by H.M.C.S. "BURNHAM" 600 miles east of St. John's, Nfld. on 23rd July. The next afternoon H.M.C.S. "ST. CROIX" attacked and sank a U-Boat but the U-Boats were persistant, two ships being torpedoed on the 25th, one sunk on the 26th and another sunk near Sable Island, 80 miles east of Halifax, on the 29th.

33. Convoy O.N. 115

At noon on July 31st H.M.C.S. "ETAMIN" with H.M.C.S. "SKEENA" sank a U-Boat in Mid-Ocean while escorting O.N. 115.

H.M.C.S. "SACKVILLE" carried out three separate attacks on U-Boats on August 3rd in mid-ocean a few hours after four ships in the convoy had been torpedoed. "SACKVILLE" reported she considered a U-Boat sunk as a result of the first attack. She endeavoured to ram a second and later in the day missed ramming a third sighted at 50 yds. in dense fog. In the latter engagement she hit the U-Boat at the base of the conning tower with 4" H.E. at point blank range.

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34. Convoy S.C. 94

Following the success of H.M.C.S. "SACKVILLE", H.M.C.S. "ASSINIBOINE" sighted two U-Boats in mid-ocean on August 5th one of which she rammed and sank and on the 8th H.M.S. "DIANTHUS" also rammed and sank a U-Boat. Five ships in the convoy were sunk and a sixth torpedoed.

35. Convoy O.N. 122

On the night of August 23/24th, H.M.S. "VISCOUNT" and H.M.S. "POTENTILLA" hunted a surfaced U-Boat while escorting the convoy in mid-ocean. A large quantity of oil was subsequently observed. The next night "POTENTILLA" attacked a diving U-Boat which she considers she sank and attacked another immediately afterwards. The same night "VISCOUNT" hunted and attacked a U-Boat which was last seen diving at an angle of 50 with no way on her indicating she was heavily damaged or sinking. Three further attacks were made by the escort the same night. Three ships were sunk and two torpedoed.

36. Convoy O.N. 127

This convoy of thirty-three ships was heavily attacked in mid-ocean on successive days starting September 10th. Despite the efforts of the escorts five ships were sunk, one torpedoed twice and abandoned and four torpedoed but reached port. In addition, H.M.C.S. "OTTAWA" was torpedoed and sunk at midnight of September 13th in thick patchy fog with the loss of seven officers and one hundred and six men.

37. Convoy T.A.W. 15

A U-Boat was sighted in the moonlight near Guantanamo by H.M.C.S. "OAKVILLE" escorting convoy T.A.W. 15 on August 27th. "OAKVILLE" first shelled the U-Boat, then carried out a depth charge attack and, thenwhen it came to the surface rammed it three times finally sinking it. H.M.C.S. "OAKVILLE" was damaged and arrived in Guantanamo leaking badly.

38. While escorting H.M.S. "QUEEN ELIZABETH" to a U.S.A. refitting port, H.M. Destroyer "VIMY" with H.M.S. "PATHFINDER" and "QUENTON" sank a U-Boat south of the Barbados and prisoners were taken. H.M.S. "VIMY" was damaged as a result of ramming the U-Boat.

ATTACKS ON U-BOATS IN THE GULF

39. H.M.C.S. "GEORGIAN" carried out three determined attacks on a U-Boat off Cap des Rosiers on September 21st. The U-Boat was blown to the surface, rolled over and appeared to sink stern first. A huge patch of oil was seen after the last attack.

40. On September 24th a U-Boat was attacked by aircraft off Seven Islands and the next night an R.C.A.F. Hudson sighted a U-Boat in the moonlight 25 miles from Ellis Bay, Anticosti, and bracketed it with depth charges. The same day an aircraft attacked a U-Boat off Point aux Basques. The following day H.M.C.S. "GEORGIAN" attacked a U-Boat fifty miles N.W. of Sydney while escorting Q.S. 37.

41. An aircraft machine-gunned and depth-charged a U-Boat forty miles E. of Gaspe on the afternoon of 29th September. The depth charges exploded beside the hull, forcing the U-Boat to the surface. It then settled slowly by the stern.

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CHANGES IN CONVOY POLICY:

42. Starting with H.X. 208 on September 17th and S.C. 102 on September 19th, New York will be used as the main convoy assembly point instead of Halifax. Canadian sections of these convoys are termed H.H.X. and S.S.C. and join the main convoys off Halifax and Sydney respectively.

43. The North Atlantic Convoy Cycle will shortly be opened out from 7 to 8 days. This will allow the present 11 Mid-Ocean groups to compete with the winter situation and may allow the W.L.E.F. to escort further to the eastward than 49° W which the present M.O.M.P.

44. Convoys between Halifax and Bay of Fundy and reverse are termed H.F. and F.H. and convoys between Sydney and Habana and reverse are termed B.W. and W.B.

REINFORCING GROUP:

45. A temporary 'killer group' of three "S" Class Destroyers, four Corvettes and two sloops was established in mid-Atlantic towards the end of September. It carried out several attacks while augmenting the escort of O.N. 132. H.M. Oiler "LAURELWOOD" attached to the group, successfully fuelled corvettes in the escort in mid-ocean.

PACIFIC:

46. The only action on the Pacific Coast during the quarter occurred on September 9th near Brookings, Oregon, when an unidentified plane dropped incendiary bombs, on which were Japanese characters. This was presumably an attempt to start a forest fire. A submarine attacked by aircraft off shore the same day suggest the possibility that the plane was launched from the submarine.

47. All other operations on the Pacific coast were confined to the Aleutian area where bases were strengthened by the U.S. and strong attacks by both aircraft and Naval vessels were carried out against the Japanese at Kiska.

GENERAL:

48. During the later half of the quarter, the R.C.A.F. were able to provide a greater degree of protection to convoys in the river and Gulf of St. Lawrence both during daylight and at night as a result of more aircraft being fitted with A.S.V. The question of air escort and closer co-operation between air and surface vessels has received considerable attention in the Operations Division.

DIRECTOR OF OPERATIONS DIVISION AT N.S.H.Q.:

49. A considerable increase in the staff of the Operations Division has been necessitated by additional commitments resulting from the expansion of the R.C.N. in the last year. Additional sections recently formed in D.O.D. are:- Air, Meteorology, Atlantic, Pacific, Coastal, Minesweeping and Statistics.

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IV - PORT DEFENCES

(Information under this head is to be found in Chapter X -- "Technical Development" and particularly under the section headed "Boom Defences".)

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V - NAVAL INTELLIGENCE DIVISION

Naval Intelligence and Trade Divisions were established as separate administrative units on July 1st, 1942, and as a consequence it has been found necessary to re-define Naval Intelligence duties:

N.I.D. now consists of the following sections:

1. N.I.D.(1) - Security

All security problems that concern the Naval Service are dealt with by this section and through it is maintained liaison with the police and security services in both Canada and the United States. N.I.D.(1) is also responsible for N.S.H.Q. security.

2. N.I.D.(2) - Enemy Shipping and Geographical

Data regarding German, Italian, and Japanese Naval and Merchant Ship construction and operations are collected and classified in this section. It is also concerned with the accumulation of similar information regarding potentially hostile countries and prepares weekly reports on enemy naval activities. A photographic library of enemy ships of all types has been formed. N.I.D.(2) continues to maintain liaison with Army and Air Force Intelligence on subjects of mutual interest.

3. N.I.D.(3)

During the period under review the P/W Section was re-baptized N.I.D.(3) and now consists of four officers, two full-time German experts, one Japanese specialist shared with N.I.D.(2) and one Italian expert who has other duties at N.S.H.Q.

Several interrogations have been conducted by members of the section including some in co-operation with U.S. Officers at the Joint Interrogation Centre in Washington.

Information relevant to P/W work continues to be obtained from D.A/S and D.D.S.D.(Y). Naval Intelligence of considerable interest was distilled from the examination of approximately 60,000 pieces of mail.

4. N.I.D.(4) - Intelligence Reports

The work of this section has been increased by the addition of the scrutiny of all incoming Intelligence reports and extracting from them any information of Naval interest. Liaison has been established with the Monitorin Services in Canada and the United States. This branch continues to prepare the North America Station Intelligence Report and the Weekly Memorandum for the Minister.

5. N.I.D.(5) - Censorship

An increased volume of mail is now examined from coastal areas so that the possibilities of censorship evasion have been greatly reduced. Liaison is maintained with Army and Air Force censorship Postal Censorship. Telegraph Censorship and Radio Censorship and the National Film Board, in addition to direct and immediate control of censorship in Fleet Mail Offices.

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5. N.I.D.(5) - Censorship - (Cont'd.)

The training of 25 W.R.C.N. officers for censorship duties was carried out.

6. Liaison has been established with the new Combined Intelligence Centre in Jamaica by the appointment of an officer to that establishment and closer liaison with the U.S.N.I. by appointing an intelligence liaison officer to serve under N.I.C.S.

The other sections which now come under N.I.D. are:

Naval Information, Naval Historian, Photographic Library, and Naval Distributing Authority, all of whose functions have been described in previous Quarterly Reports.

7. The Foreign Intelligence Sections which formerly came under the Directorate of Intelligence and Trade Division has been reclassified as Deputy Directorate of Signals Division (Y) and is now a section of D.S.D.

MOST SECRET

THE WHOLE OF THIS SECTION IS TO BE REGARDED AS SECRET

Deputy Director Signals Division (Y)

8. D/D.S.D.(Y) is in charge of Signals "Y" within the Directorate of Signals Division at N.S.H.Q., and scrutinizes all possible enemy and potential enemy telecommunication, promulgating results obtained to all authorities concerned. Under this Section are also the Canadian H/F D/F stations which on both coasts, in co-operation with Admiralty, America, South African and Australasian stations, take bearings from which are plotted the positions of enemy units who use their W/T transmitters. These units are subsequently assigned an identity and their movements plotted, forming the basis for a daily estimate of submarine movements and dispositions in, and entering, N.S.H.Q. area North of 40° North and West of 40° West.

Close co-ordination exits between D/D.S.D.(Y) and the U-Boat Tracking Sections at the Admiralty and Navy Department in Washington. Accumulation and exchange of data among the three centres renders this Section fully conversant with U-Boat movements and tactics.

9. The Canadian D/F stations at present operating are:

(a) Hartlen Point, N.S.
(b) Harbour Grace, Nfld.
(c) Cap d'Espoir, P.Q.
(d) Montreal, P.Q.
(e) Ottawa, Ontario.
(f) Rivers, Manitoba.
(g) Portage la Prairie, Man.
(h) Esquimalt, B.C.

10. It is expected that the following additional D/F Stations will be placed in operation on Naval duties in the near future:

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(a) Albro Lake, N.S. (M/F D/F control)
(b) Coverdale, N.B.
(c) Gloucester, Ont.
(d) London, Ont.

11. An interior organization for the West Coast is planned, to include the following stations in Alberta:

(a) Lacombe
(b) Westlock
(c) Medicine Hat

12. In addition, there are four Canadian Stations engaged in the study of enemy and potential enemy W/T traffic:

(a) Ottawa, Ont.
(b) Strathburn, Ont.
(c) Winnipeg, Man.
(d) Vancouver, B.C.

13. Bearings are exchanged between the Canadian East Coast H/F D/F Stations and the U.S. net by a direct T/T linking the two plotting centres in Ottawa and Washington. Bearings between N.S.H.Q. and Admiralty, S.B.N.O.W.A.T., C. in C., S.A. and R.A.W.A.F. are exchanged via cable. Bearings received and plotted at Ottawa have exceeded 1,000 per day on numerous occasions.

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VI TRADE DIVISION

1. This is the first quarter during which Trade and Intelligence operated as separate Divisions. The closest liaison, however, has been maintained between them as they still have many common contacts.

2. The major event of the quarter was the establishment of New York as the main Convoy assembly port for HX and SC Convoys.

3. A new U.S. Coastal Convoy system designed to bring possible trans-Atlantic shipping, both fast and slow into New York so as to catch HX & SC. Convoys with the least possible delay, was brought into force late in August.

4. HX 208 comprising 50 ships was the first trans-Atlantic Convoy sailed from New York. It left on Thursday September the 17th, and was followed on Saturday the 19th by SC 102 consisting of 27 ships.

5. Ships of HX Convoy speed loading in the Canadian area assemble at Halifax as an HHX. Ships for slow convoys loading in the same area assemble in Halifax as HSC or in Sydney as SSC Convoys. These subsidiary convoys join the main convoy at sea off their respective ports.

6. The Halifax section of the first New York HX consisted of 6 ships.

7. The Halifax and Sydney sections of the first New York SC Consisted of 4 and 6 ships respectively.

8. These convoys now sail on a 7 day cycle.

9. Parallel action was taken with regard to ON and ON(S) Convoys. The main convoy goes to New York with sections breaking off for Sydney and Halifax.

10. These various changes necessitated a rearrangement of the signalling organization necessary to prepare advance and sailing telegrams.

11. A signal of appreciation for Halifax work was received from the Admiralty when New York took over. Since the commencement of the war Assembly Ports of Halifax and Sydney have organised and sailed 308 Ocean Convoys comprising a total of 10,912 ships.

12. The other major development during the quarter was the decision of the Cabinet to close the St. Lawrence river and Gulf to overseas shipping. This was done on the 8th September after the very heavy attack on QS 33 during which 4 ships were lost.

13. Overseas sailings to Gulf and River ports were at once discontinued except in one or two trades, vital to the U.K., whose products could not readily be moved by rail. There remains, however, a considerable volume of shipping carrying vital cargoes between St. Lawrence Ports and to and from Newfoundland.

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14. QS and SQ Convoys have been continued on a reduced scale in order to clear the river of ocean going bottoms. The extensive local trade will continue to be given all possible protection.

15. Captain E.S. Brand, R.C.N., D.T.D., was appointed a member of the Canadian Shipping Board. This officer also represents the Naval Service on the newly formed inter-departmental Merchant Seamen Committee.

16. Steps have been taken in conjunction with the Ministry of War Transport to prepare Saint John, N.B. for all the year round capacity working. This port, however, presents a serious Naval difficulty in as much as the only protected berths in which ships can tie are the actual loading berths and these can only be entered or left at certain states of the tide.

17. Arrangements are being made by the Director of Salvage to muster salvage equipment on the Nova Scotian coasts for use in emergency and particularly during winter months when normal marine risks are much increased.

18. SG-GS Convoys were put into forced by C.T.F. 24. Sydney was entrusted with the organization of the North bound Convoys.

NAVAL CONTROL SERVICE IN U.S.A.

19. The assembly of HX & SC Convoys in New York has necessitated a large increase in the Staff of the B.R.O. at that port as regards both officer and civilian personnel.

20. This requirement has been largely met by the transfer of Staff from other ports where the pressure of work has decreased.

21. The reporting of Shipping Movements by Merco from U.S. Port Directors having replaced the Vesca Reports and Route Signals from B.R.O.'s, and the Daily Summary of Convoy Movements from CONNAV having obviated the necessity for sending Coastal Convoy Sailing and arrival Telegrams to N.S.H.Q. & Admiralty, the amount of coding work has largely decreased and it is hoped that a reduction in the number of civilian coding staff, may be effected.

22. It is now proposed that the U.S. Port Directors be responsible for the issue of C.B.'s and SP's to all Masters including British. This although eliminating duplicate organizations for this purpose is not regarded as entirely satisfactory, since the faith of the Master in the correctness of his books is considered to have an important bearing on his morale, and previous experience suggests the possibility that under the proposed scheme this may not always be justified, unless a final check is made by the B.R.O's.

23. Relations between B.R.O.'s and U.S.R.O's still remain harmonious and their two organizations appear to have linked up satisfactorily.

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MERCANTILE MOVEMENTS SECTION

24. During the past quarter the Navy Department, Washington, completed arrangements for the direct receipt of world-wide Vesca reports of merchant shipping movements and, in consequence, the despatch to Washington of summarized reports of Vesca signals by the Mercantile Movements Section was discontinued.

25. The operation of the full Vesca system for the Ottawa Intelligence Area (ports of Canada and the United States) is continued, and, in addition, records are maintained of merchant ship movements in the West Indies, the Carribean and Panama Canal.

26. The movements of all shipping from North American ports into other Shipping Intelligence areas are signalled to areas concerned and sailings from other areas to the North American area are likewise signalled to N.S.H.Q. This information of ships' movements is distributed to all Intelligence Centres, Operational Centres and to ship managing authorities.

27. Summaries of shipping movements are passed daily for the information of Naval Centres and Allied Shipping authorities.

28. Daily summaries of shipping movements trans-Pacific are passed by signal to the B.R.O., San Francisco, for the information of the United States Naval Operation Base, Twelfth Naval District, San Francisco.

29. The Atlantic coastal convoy plot has been further developed providing a ready reference to the past, present and future disposition of coastal convoys and enabling an estimate to be made of the expected times of arrivals of ships at loading ports and at ports of convoy assembly.

30. A Statistics Section has been established for the purpose of research and study of merchant ship movements in the Western Atlantic by speeds and volume, thus enabling definite recommendations to be made for the better arrangement and development of coastal convoys.

31. Close liaison is maintained with the Canadian General Post Office and the Ministry of War Transport representative in Montreal for the purpose of providing space in suitable ships for the carrying of mail.

ROUTEING CONVOY SECTION

32. On 1st July, as foreshadowed in last quarter's Summary (Trade Division, para.25), diversion of merchant shipping was taken over by Washington.

A breakdown of available data indicates that during the 5 months N.S.H.Q. carried out this measure of defence, a saving of 6 2/3% was effected in shipping immediately exposed to submarine attack -- in other words, of 100 ships in definite danger and diverted, the loss was 1.35 ships, whilst when not diverted, the loss was 8.02 ships.

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33. Enemy activity in the St. Lawrence, in addition to being countered by escorted convoys, was met by a system devised for rapid diversion of independently sailed ships, through secret positions previously arranged, using W/T or R/T and plain language or code, as advisable in each particular case. Continued attacks, however, necessitated the closing of the St. Lawrence, during the latter part of September, with a few special exceptions, to all overseas shipping.

34. The following table shows the number of ships in mercantile convoys from the opening of hostilities to date:

NUMBER OF SHIPS CONVOYED

Date	From Canadian Ports	Nfld.	Bermuda	U.S. Ports
1939-41	8205	79	1210	
1942 January	336	8	--	
February	246	5	--	
March	291	4	---	
April	328	9	--	
May	282	10	---	
June	281	18	---	
July	282	17	--	
August	397	10	--	
x September	234	5	--	140
	10,912	165	1,210	140

x Subject to slight revision in next quarter's report.

Deadweight Tonnage carried (excluding Nfld., Bermuda, and U.S. Ports) 63,828,000.

STAFF OFFICER MERCHANT CASUALTIES

35. This Section was organized in July to record and analyse merchant shipping losses on this side of the Atlantic. In addition to producing reports and charts of attacks in the area north of the equator and west of 40° West longitude, the Section co-operates with D.D.S.D. (Y) and D.N.I. in compiling information about the methods of the submarines which make these attacks.

36. The records of the Section date from January 12th, 1942, when the first U-boat attacks in the Western Atlantic were made. The charts and reports trace a series of attacks which in the first four weeks were confined to the shipping lanes north of Cape Hatteras but which thereafter spread into the Caribbean and later into the Gulf of Mexico, climaxing in the week of May 12-18 when 37 ships, totalling 186,763 tons, were sunk and seven others damaged west of 40° West while another seven were sunk in mid Atlantic just outside the area. June rivalled May in numbers and tonnage but in July, August and September the introduction of the convoy system over most of the area, and the improvement in air coverage literally cut losses in two from an average of 125,000 tons per week in May and June to one of 55,000 in the past three months.

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37. The Canadian coastal area, i.e., the area north of 40° N. and west of 40° W. does not present any such regular pattern. In the first two weeks, losses were heavy -- 116,999 tons -- but the heaviest monthly loss since has not been much more than half of that figure. The first sinkings were off the coasts of Nova Scotia and Newfoundland and on the shipping lanes to the U.K. but these attacks have been supplemented by occasional daring raids into the Gulf of St. Lawrence and up the river beyond Cape Chat.

TROOP CONVOYS SAILED DURING QUARTER JULY 1ST TO SEPTEMBER 30TH, 1942.

EASTBOUND

N.A. 12 - Cancelled. Approximately 1,000 Canadian Service Personnel sailed in A.T. 17 from New York, July 1st and arrived U.K. July 12th.

Convoy	Sailing Date	Ships	Numbers Carried	Escort
N.A. 13	July 21st	"LETITIA"	2,312	All British and Canadian
		"DOMINION MONARCH"	3,278	
	Arrived U.K., July 29th.			
N.A. 14	August 9th	"CAPETOWN CASTLE"	3,596	All United States
		"CAMERONIA"	3,656	
	Joined A.T. 18, which sailed New York, August 6th, Arrived U.K., August 18th.			
N.A. 15	August 22nd	"STRATHMORE"	4,573	All United States
		"LETITIA"	2,366	
		N.B. "ANATEA" damaged in collision - to Halifax.		
	Joined A.T. 20, which sailed New York, August 19th. Arrived U.K. August 31st.			
N.A. 16	Sept. 29th	"PASTEUR"	2,428	All United States
		"STIRLING CASTLE"	4,038	
		"ATHLONE CASTLE"	4,418	
		"ANATEA"	2,359	
	Joined A.T. 23, which sailed New York September 26th. E.T.A. U.K., October 7th.			

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WESTBOUND

Convoy	Sailing Date	Ships	Numbers Carried	Escort
C.T. 19	July 3rd	"LETITIA"	2,464	All United States
	Arrived Halifax, July 11th.			
C.T. Convoys abandoned and T.A. Convoys (carrying both U.S. and British personnel) substituted.				
T.A. 17	July 18th	"SIBONEY"	76	All United States
		"MONTEREY"	661	
		"T.H. BARRY"	1147	
		"ARGENTINA"	1426	
	Arrived New York, July 27th.			
T.A. 18	August 27th	"MONTEREY"	1,797	All United States
		"WEST POINT"	None	
		"T.H. BARRY"	1,229	
		"WAKEFIELD"	None	
	Arrived New York, September 5th.			
T.A. 20	September 5th	"SIBONEY"	None	All United States
	Arrived New York, September 15th.			

38. Quebec to Hamilton Inlet and return

During this quarter, "LADY RODNEY" made three voyages from Quebec to Goose Bay carrying troops, sailing from Quebec, July 4th, July 18th and August 2nd.

39. Halifax to St. John's, N.F., and return

Commencing on August 17th, "LADY RODNEY" has been carrying service personnel to and from Halifax and St. John's, N.F., as follows:-

Sailed Halifax	Arrived St. John's	Sailed St. John's	Arrived Halifax
August 17th	August 20th	August 24th	August 27
Sugust 30th	September 2nd	September 6th	Sept. 9
September 13th	September 15th	September 20th	Sept. 23
September 27th	September 29th		

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40. GOOSE BAY CONVOYS

The Division has organized throughout the quarter a continuous series of special convoys conveying material and stores between Montreal and Goose Bay airport, Labrador.

41. TANKER OPERATION

The Division keeps in close and continued touch with the Oil Controller to assist him in operating the tankers now under his orders for bringing oil to Canada from Carribean and Texan oil ports.

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VII - NAVAL ENGINEERING & CONSTRUCTION

NEW SHIP CONSTRUCTION

1. Destroyers:

Under construction - 4 in England
- 4 in Canada

2. Corvettes:

Previously Accepted - 60 Flower Class
- 10 Revised Flower Class

Under Construction - 37 Twin-Screw River Class
- 38 Revised Flower Class

3. Minesweepers:

Previously Accepted - 28 Steam Bangors
- 4 Diesel Bangors

Accepted During Quarter - 5 Steam Bangors
- 3 Diesel Bangors
- 2 - 105' Wooden Type

Under Construction - 16 Algerine Type
- 5 Steam Bangors
- 3 Diesel Bangors
- 8 - 105' Wooden type

4. Fairmiles:

Previously Accepted - 36

Under Construction - 18

5. Harbour Defence Patrol Craft:

Previously Accepted - 7

Accepted during Quarter - 1

Under Construction - 2

6. Fleet Auxiliaries:

Accepted during Quarter - 1 Base Supply Ship.

Under Construction - 1 Base Supply Ship.
- 2 Self-propelled Auxiliary Tankers.

7. Boom Attendant Vessels:

Accepted during Quarter - 1 - 40' Diesel Tug.

Under Construction - 2 - 48' Gate Attendant Vessels.
- 5 - 46' Work and Duty Boats.

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8. Boom Maintenance Vessels:

Under Construction - 2 Steel 25-ton Derrick Scows
- 1 Wooden 25-ton Derrick Scow
- 1 Wooden Scow, 90' x 30'.

9. Tugs:

Accepted during Quarter - 1 - 80' Diesel Tug, 400 H.P.
- 3 - 40' " "

Under Construction - 5 - 80' Diesel Tugs, 400 H.P.

10. Harbour Craft:

Previously Accepted - 21 - 46' Harbour Craft

Accepted during Quarter - 2 - 46' Harbour Craft.

Under Construction - 20 - 46' Harbour Craft
- 3 Diesel Driven Water Barges
- 2 Diesel Driven Ammunition Lighters.
- 3 Diesel Driven Stores Lighters.

11. Repairs:

H.M.C. Dockyards at Halifax and Esquimalt operated at peak capacity during the period under review, the former on a 3- shift, 7 days-per-week basis.

In addition to carrying out repairs to H.M.C. and H.M. ships, repairs to ships of Allied Governments were undertaken as required.

Repairs were carried out under Naval Supervision in accordance with the terms of the Emergency Repair Agreement at 63 private shipyards on both Coasts and on the St. Lawrence River.

12. Marine Railways:

Under construction:

3000-ton marine railway at Halifax, N.S.
3000-ton " " " Shelburne, N.S.
3000-ton " " " Sydney, N.S.
2000-ton " " " Pictou, N.S.
1400-ton " " " Lunenburg, N.S.
1400-ton " " " Liverpool, N.S.
200-ton " " " Gaspe, P.Q.
200-ton " " " Sydney, N.S.
200-ton " " " Shelburne, N.S.

13. Floating Dry Dock:

The 25,000-ton steel floating dock at Halifax is in full operation.

WORKS AND BUILDINGS

14. The Directorate of Works and Buildings, composed of civilian personnel is an architectural-engineering organization whose function is designing, supervision and administration of Works and Buildings construction of the Naval Service shore establishments in Canada and Newfoundland.

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15. Detailed drawings and specifications for all structures are prepared by the Headquarters Staff composed of 110 employees, of which 30 are architects and 23 are engineers.

16. Blueprints and specifications are furnished to the Department of Munitions and Supply for obtaining tenders, also to the District Engineers in charge of construction, and to the contractors engaged on the work. The average monthly production of blueprints made and mailed from the office of the Director is 6,250.

17. Plans and complete data regarding all lands purchased or leased for Naval Purposes are compiled by the Lands and Leases section of the Directorate. Arrangements for necessary surveys, preparation of plans and descriptions and payment of purchase price or rentals are made.

18. Across Canada, districts have been established which have been staffed to take care of construction work in their respective sections. Hereunder note list of districts and personnel. Engineers and architects have been specified, balance of the staff being for inspection, timekeeping, general office work and checking of materials.

(1) Head Office -- Details shown in Item 15.

(2) Newfoundland -- Staff of 14 including 6 engineers.

(3) Atlantic Coast -- Staff of 88, including 20 engineers and 8 architects.

(4) Central -- Staff of 9, including 7 engineers.

(5) Pacific Coast -- Staff of 24, including two architects and 10 engineers.

(6) Deepbrook, N.S. -- Staff of 17, including 8 engineers and 4 architects. (This undertaking has only been commenced and the staff will be increased about 25 percent to bring it up to the full complement.)

19. The total cost of Works & Buildings completed during July, August and September, 1942, and now under construction may be summarized as follows:-

Completed		
East Coast		$3,575,000.00
West Coast		290,000.00
Central Region		325,000.00
Newfoundland		1,000,000.00
		$5,190,000.00
Under Construction		
East Coast	Halifax Dockyard	3,285,000.00
	Hfx. Nelson Barracks	2,445,000.00
	Hfx. Vicinity	3,550,000.00
	Shelburne Base	544,000.00
Pictou, Liverpool,	Lunenburg Base	330,000.00
	Sydney Base	2,630,000.00
	Gaspe Base	58,000.00
	Deep Brook Barracks	8,590,000.00
	Newfoundland	2,300,000.00
	Central Canada	1,545,000.00
Esquimalt & West coast generally		1,600,000.00
		$26,877,000.00

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Under Consideration and study and planning

D/F Station
Naval Armament Establishment, Halifax
Auxiliary Vessel Base.
Inland Magazines
Signal School, Enfield, N.S.
Saint John, N.B. Establishment
Fitting out berth, Saint John, N.B.
Expansion H.M.C. Dockyard, Esquimalt.
Additional Buildings Naden 1 - Esquimalt.
R.C.N.V.R. Establishments.
Botwood, Newfoundland Base.
W/T Stations.

CONSTRUCTION LIAISON

20. The Superintendent of Construction Liaison and his staff, in the capacity of an advisory body to C.N.E.S. has assisted in presenting the Service requirements for buildings and other works to the Projects Committee for consideration and approval.

21. Officers of the Branch have acted in a liaison capacity on the construction projects for the Atlantic Coast Bases, Newfoundland, West Coast Bases, R.C.N.V.R. Divisions and W.R.C.N.S. Divisions. One officer has acted as Liaison Officer with Naval Staff and the Director of Protection of Petroleum Reserves, Department of Munitions and Supply, on the matter of construction work necessary for Naval fuel reserves and the protection of existing installations.

22. During the quarter, the Superintendent of Construction Liaison visited the East Coast, consulting the appropriate Officers and assisted in the revisions of plans and re-allocation of space in the Nelson Barracks area. The planning and development at Deep Brook was reviewed with the local engineers and architects and assistance was rendered in making preliminary layouts of certain buildings and in planning generally.

23. On the West Coast the principal activity has been in connection with the expansion of the Naval Base at Prince Rupert. A general plan for development has been prepared and has been approved by the Minister. Preliminary layouts of most of the buildings have been completed and passed to D.W.B. The construction programmes at Esquimalt Dockyard, R.C.N. Barracks, D.E.M.C. Establishment Vancouver were reviewed in relation to current changes in requirements.

24. The construction of Gaspe Base is almost completed. A Joint Services fire alarm system, removal of oil tanks from within the base area, construction of hospital and railway station and other facilities are being considered in relation to the operational experience of the past season.

25. At Shelburne, Treasury Board approval for additional expenditures up to $840,500 for the expansion of this base from an advance patrol base to an auxiliary repair base enables plans to be put in hand after considerable delay. Preliminary plans for the layout, buildings, and services were prepared and passed to D.W.B. The layout has been made to conform with accepted principles of P.A.D. as far as possible.

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26. At Sydney, the requirements for a base laundry, boat repair shop, disinfector for the hospital, Official Residence and Senior Officers houses were established and some of the required approvals were obtained.

27. A general scheme for the development of a "Naval Centre" at St. John, N. B., was prepared and passed to D.W.B. for estimate. Approximately $500,000 had been set as the scale of expenditure by Naval Staff and the plans involve preparation of site, construction of wharf for harbour craft, administration building, A.A. Teacher, and accommodation for Officer and Ratings.

28. Previous recommendations, existing accommodation and proposed improvements in accommodation at R.C.N.V.R. Divisions were reviewed. Information and preliminary estimates of cost were supplied to C.N.P. for the compiling of a revised programme of R.C.N.V.R. construction requirements. Layouts for alterations and new construction for Edmonton, Vancouver, and Kingston were passed to D.W.B. Layouts for other Divisions were developed as far as possible but no action could be taken during this period because the general policy on new construction for R.C.N.V.R. Divisions remained undecided.

29. A survey was made of W.R.C.N.S. accommodation requirements for the training of personnel and for housing at the bases and other establishments. Recommendations for the selection of buildings at Ottawa, and Galt were made and details of the required alterations were passed to D.W.B. Preliminary plans and revisions to existing plans were prepared for accommodation at Sydney, St. John's, Nfld., Halifax, Esquimalt, Deep Brook, St. Hyacinthe, R.C.N. College, H.M.C.S. "KINGS" and F.I.S. Establishments. Alterations to the buildings acquired in Ottawa and Galt were substantially completed in September and these training establishments are now in operation.

30. Proposed revisions to the plans of Naval Base at St. John's, Newfoundland have been considered and the necessary action taken in the re-allocation of space and additional requirements for the Hospital, Nurses' Residence, Administration Building, Officers Quarters and H.M.C.S. "AVALON". The installation of a 200 ton marine railway and modification of certain buildings in the Dockyard area have been considered. A new scheme for supplying power to the South Side was suggested.

31. The original scheme at the Oil Tank site, St. John's, has been subjected to various proposed alterations, each of which had to be brought before the sixteen different interested parties. Every effort has been made, by liaison with the various authorities, to reach a conclusive agreement but as yet this has not been achieved.

32. Naval requirements at Botwood have been reviewed and layouts for the required construction have been prepared. At present, only the new wharf is under construction. The report on requirements and estimated costs awaits financial approval.

FUEL PROTECTION.

33. A complete investigation of Protective measures for fuel storages was conducted. Admiralty practice was followed with respect to the protection of existing circular steel tanks on the surface of the ground against blast and bomb-splinters. Approval was obtained for the expenditure of $285,750. for the protection and camouflage of 358,000 bbls. of storage previously built.

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34. In August a visit was made to the following United States Naval bases to examine oil storage projects in their vicinity: Boston, Mass., Melville, R.I., Norfolk and Yorktown, Va. It is expected that the experience gained from this tour, as well as discussions with officers of the Civil Engineers' Corps as these bases and at Washington, will be instrumental in obtaining both a greater economy and speed in the construction of similar projects for the Canadian Naval Service, once the financial approval to start construction has been obtained.

35. The preliminary selection by C.O.P.C.'s staff of sites for storages on the West Coast was analyzed through the medium of available charts and aerial photographs. The recommendations were generally concurred in, and initial approval by the representative of the Department of Munitions & Supply was forthcoming.

The sites for East Coast caches will be chosen as soon as quantitative considerations are settled by Naval Staff.

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VIII - SUPPLY

1. Under date of September 15th, 1942, an Ottawa newspaper published some very interesting data concerning the phenomenal development of the Royal Canadian Navy during the past year.

2. In reviewing the activities of Naval Stores for the past three months, the information contained in the article above referred to is considered to have such a direct bearing on the kaleidoscopic Canadian Naval situation as to warrant embodying it in this quarterly report.

It is as follows:-

"Value of orders placed under Canada's shipbuilding program has increased by more than 50 percent during the past year and now exceeds $750,000,000, the Department of Munitions and Supply announced Monday night on behalf of Munitions Minister Howe.

Since the beginning of the war, said a departmental statement, Canada has launched more than 200 combat ships, including corvettes, minesweepers, patrol boats, base ships, and other vessels. In addition approximately 1000 smaller craft ranging from lifeboats to motor torpedo boats, have been launched, and 1,500 more are under construction.

The statement gave figures to illustrate the vast quantities of materials required for this program. "Construction of one corvette calls for 10 miles of piping and tubing", it said. "To hold it at anchor, 14 tons of anchor chain are required. The copper wire used, for purposes ranging from a tiny pilot light wire to the degaussing cable, would weigh 38 tons and would extend 45 miles if stretched into the equivalent of a single core cable.

There are 600 electric light bulbs on such a ship, and nearly 1,500 bronze valves weighing from less than half a pound to more than 700 pounds. One thousand tons of steel shapes and plates are required in the making of the hull alone."

3. The statement added: "The small boat program involves an expenditure of some $10,000,000. In addition, 50 yachts and motorboats have been purchased and 20 smaller craft have been chartered by the shipbuilding branch of the department. Canada is also laying down keels for two destroyers of the Tribal class.

"Mr. Howe announced that contracts have been negotiated for the construction in Canada of nearly 300 10,000 ton cargo vessels at a cost of approximately $600,000,000. Many of these have already been launched and delivered. Included in the program are a number of 4,700-ton vessels".

4. The building of one 10,000-ton cargo ship requires a mile of steel plate, approximately five feet wide, and its engine is capable of generating sufficient power, if converted into electrical energy, to serve a community with a population of 20,000.

5. Canada's shipbuilding program is being carried out in 21 major shipyards and 58 smaller boatyards located on the east and west coasts, the St.Lawrence, and the Great Lakes. From a mere handful of men engaged in shipbuilding, the personnel of a Canadian shipyard has grown to 40,000 workers, a number of whom are women.

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6. Under the direction of a controller of ship repairs and salvage, extensive facilities for ship repairs have been provided at an approximate cost of $6,000,000. These facilities include a floating dry dock, further docking space, and additional machine shop buildings and tools for repair work.

Technical Assistants

7. The designing and equipment of, in the minutest detail, life saving rafts and floats has been consummated and under present standards should materially assist in giving those forced to use them a much better chance for their lives.

8. Other important matters dealt with were: lugless shackles, forgings for anchor chains - the first to be made in Canada during the present war complying with specifications, paravane gear for bow defence for the Navy and Merchant Marine; smoke floats were produced for the New Zealand Government, the finding of substitutes for commercial tools in lieu of Admiralty patterns; supervision of production of Depth Charges and Release Gear; inspections were made and tests carried out on swivel pieces, collision mats, snatch blocks, anchors, gun barrel heaters, asbestos jointing for Tribal Destroyer's boiler manhole doors, ammunition boxes and an electric cable stripping machine.

Tests were made on Balsa Floats to ascertain if they would support the number of men specified.

New Construction Ships

9. During the past three months the following ships have been commissioned and stored:

July

C.N. 90	H.M.C.S. "Digby"	Diesel Minesweeper
C.N.229	H.M.C.S. "Preserver"	Base Supply Ship
C.N.272	H.M.C.S. "Kitchener"	Revised Corvette

Q.075)
Q.076) Fairmiles, R.C.N.
Q.081)

August

C.N. 92	H.M.C.S. "Three Rivers"	Diesel Minesweeper
C.N.172	H.M.C.S. "Port Hope "	Steam Minesweeper
C.N.173	H.M.C.S. "Sarnia"	" "
C.N.176	H.M.C.S. "Kenora"	" "
C.N.177	H.M.C.S. "Fort William"	" "
C.N.288	H.M.S. "Anticosti"	Western Isles Trawler
C.N.293	H.M.S. "Magdalen"	" " "

September

C.N. 91	H.M.C.S. "Truro"	Diesel Minesweeper
C.N.174	H.M.C.S. "Stratford"	Steam Minesweeper
C.N.175	H.M.C.S. "Westmount"	" " "
C.N.178	H.M.C.S. "Milltown"	" " "
C.N.289	H.M.S. "Baffin"	Western Isles Trawler
C.N.290	H.M.S. "Cailiff"	" " "
C.N.299	H.M.S. "Liscomb"	" " "
C.N.294	H.M.S. "Manitoulin"	" " "
C.N.276	H.M.C.S. "Llewllyn"	105' Minesweeper
C.N.277	H.M.C.S. "Lloyd George"	105' Minesweeper

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10. In addition to the above H.M.C.S."Bold" was stored in Montreal, first outfits of stores were supplied to H.M.C.S."Kentville" and "Brockville", H.M.C.Tug "J.E.McQueen" was supplied with an allowance of necessary stores and a number of 105' minesweepers for the R.N. still at their building yards in Nova Scotia were completed and stored.

Victualling Stores

11. The premier effort of this Division during the quarter ending 30th September has had to do with the personal equipment of the W.R.C.N.S., the recently organized and valuable auxiliary service of the R.C.N. The approval of samples and patterns of clothing and equipment and the procurement of articles of Naval uniforms for issue to W.R.C.N.S. Officers on repayment, together with the raising of the necessary Contract Demands entailed, in addition to the regular routine of the Division, has constituted a full-time job.

12. When the minimum number of W.R.C.N.S. for the first year is estimated at 300 Officers and 5,400 ratings, the extent of this special effort will be appreciated.

Naval Stores

13. Contract Demands raised for the quarter ending 30th September,1942, amounted to $6,524,022.

14. The radio appeal for binoculars for the Navy met with a most gratifying response resulting in some 250 pairs of excellent quality being proffered. Exclusive of donations, the cost to the Department was approximately $8,000.

15. Miscellaneous supplies for ships and bases have been procured, outstanding examples being galley equipment for the W.R.C.N.S.; fuel,base furnishings and A/S equipment for Deep Brook Training Establishment; W/T stores for reserves to Halifax and Vancouver; a twelve months' stock of special pattern electrical fittings for each dockyard at a cost of $1,655,000., equipment for F.I.S.Sections and many others.

16. Depletion of staff, resulting from transfers, resignations due to various causes and the training of new personnel has impaired the efforts of the key men to keep production up to par, but by and large, previous standards have been well maintained.

Financial Control, Stores Examination and Accounts Payable

Financial Control

17. Requests for figures for 1943-44 estimates were made early in this quarter, and from data supplied by the various branches, this portion of the work of this division is now well in hand. The usual numbers of supplementary estimates, requiring revision of originals are being received, and the routine in connection with checking and coding of Contract Demands continues to increase.

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Stores Examination

18. Installation of the bin card system at Saint John, N.B., Gaspe, Quebec, Prince Rupert and 1580 Amherst Street, Montreal, has been completed during this period and is in process of installation at Toronto. It is proving a satisfactory adjunct in determining at short notice the quantities and values of stock on hand.

19. Members of the Examination Section have been and continue to be engaged on a complete audit of all R.C.N.V.R. Divisions and Sea Cadet Corps and the checking of al. stores at various Outports.

Accounts Payable

20. The routine of this section continues to function smoothly despite the increasing volume of invoices being passed for payment and the absence of members of the staf on vacation. Accounts must be paid.

Supply Liaison

21. Numerous difficulties arose in regard to priorities and many conferences took place to discuss the procurement of material that could not be obtained without priority certificates. It is evident that material is becoming increasingly difficult to procure and demands should be prepared well in advance. These demands should describe the ultimate use of the material as this information is essential if a correct priority rating is to be obtained.

22. It is the opinion of the Supply Liaison Officer that the question of priorities should be considered an inter-departmental difficulty of the Department of Munitions & Supply, and the Naval Service would assist that Department if all requests for assistance were referred to the Department of Munitions and Supply for action. Each procurement branch of the Department of Munitions and Supply, has a priority official who is attempting to rate and re-rate all contracts placed by his Branch. The Naval Service might, in rare cases, be of assistance by going directly to the Director General of the Priorities Branch but the general practice should be to refer all requests for priority assistance to the appropriate Branch of the Department of Munitions and Supply.

23. Great assistance can be given to the Department of Munitions and Supply by anticipating requirements well in advance, eliminating a multiplicity of small demands and avoiding critical materials when substitutes can be used.

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IX NAVAL ARMAMENT.

1. The manufacture of Naval Guns and Gun Mountings in Canada is now established and production will provide guns of the 4 inch calibre both Mk. XVI on Mark XIX Twin Mountings and Mk. XIX on Mark XXIII Single Mountings to meet requirements for arming all Frigates and Corvettes under construction.

2. The 4 inch Mk. XVI guns and twin mountings for the 5th. and 6th. Tribal Destroyers and for one Auxiliary Cruiser will be obtained from Canadian Manufacture.

3. Gun Mountings Mk. III^{X} for 4 inch Q.F. Mk. VC Guns are now in delivery in readiness for mounting in Algerine Class Minesweepers.

4. Deliveries of Q.F. 12 Pounder on H.A./L.A. mountings continue. Naval Vessels requiring to be armed with this gun now being practically complete. Other units are being mounted in Merchant Ships as these come in hand for arming.

5. Supplies of Q.F. 2 Pounder Guns have started to move and mounting of these on Corvettes and Minesweepers will be commencing immediately. This will continue until all ships requiring this gun have been equipped.

6. A steady supply of Oerlikon Guns continues to be received and allocated to Corvettes and Minesweepers as they become available for arming.

7. Orders have been placed for both Oerlikon Guns and Mountings to be made in Canada. An improved type of Mounting has been produced and tested with satisfactory results and a standardized type decided upon.

8. A design of twin mounting for Oerlikon guns is being developed with a view to adoption for certain classes of Ship's. This, however is for the present, an Admiralty development.

9. Allocations of rifles, Bren guns, sten guns and related equipment for shore training establishments have been established and supplies will shortly be received. All these weapons are of Canadian manufacture.

10. Depth Charge Throwers "Y" for Fairmiles have been received for mounting in these vessels and the arming had been proceeding satisfactorily. These and the related equipment have been obtained from the United States of America.

11. The change is design of Depth Charge Thrower to a type known as the Carrier retaining D.C.T. necessitated a reduction in the order placed for 490 to approximately 100. The Admiralty having decided that certain classes of ships should be equipped with this newer type, particulars were applied for and these have now been received. Consideration will be given to arranging for the manufacture of this type for similar vessels being constructed for the R.C.N. in place of the older pattern originally specified.

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12. Depth Charges Mk. VII with pistols Marks VII, VIII and Mk. IX are in continuous supply from Canadian factories and filling plants. Detonators for D.C's. the manufacture and filling of which have been subject to some delay are now coming forward in satisfactory quantities to meet both Canadian and Admiralty needs. Considerable quantities of these stores continue to be exported in addition to meeting the requirements of this Continent.

13. The development of the 5 lb. Depth Charge has been delayed on account of difficulties in design and none have been made pending further trials.

14. T.N.T. Demolition charge are now coming out of the filling plant and will be shortly available for use in various forms of harbour defence.

15. Stock conditions of ammunition of all calibres continue to improve. Large consignments have been received from Overseas and many shortages in types difficult or impossible to obtain by Canadian manufacture have been relieved by these supplies.

16. Orders have been placed in Canada for such types of 4.7 inch, 4 inch, 3 inch and 12 Pounder Naval Ammunition as can be satisfactorily produced in Canadian Plants.

17. The situation in respect to the supply of S.C. Cordite for Naval Ammunition is unchanged and it will continue to be necessary to import the propellant charges except those for certain types such as Star Shell and some practice ammunition in which flashless cordite, now being made in Canada, will be used.

18. The first lots of Q.F. 2 Pounder H.E. Ammunition have been filled and delivered. The components of this ammunition were obtained from the United States and the assembly and filling was carried out in Canada.

19. A further order of 2 Pounder is to be obtained from the United States in conjunction with Admiralty orders.

20. The running supply of the smaller calibre of ammunition, Oerlikon, .5Colt and Machine Gun ammunition is operating satisfactorily. Manufacture of Oerlikon Ammunition in Canada has not yet commenced and consequently all supplies to date have been imported from the United States. 0.5" ammunition, both for Colts and Vickers is also not yet manufactured in this country and it appears probable that any such manufacture in the near future will be limited to ammunition suitable for use in the Vickers guns only.

21. The development of fire control systems for the Tribal Class Destroyers has been under continual review but full particulars have not been received in this connection from the United Kingdom. There are certain improvements in design over the installation on the destroyers being built in the United Kingdom that require considerable study.

22. A system of fire control for Frigates has been designed and development is proceeding.

23. A deflection calculator for low angle fire was designed for use in R.C.S. Corvettes and other small ships, and a pilot model has been made by the National Research Laboratories.

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24. A proposed system for communication between the bridge and depth charge positions by means of lamps and selector switches was re-designed for use in R.C.N. Corvettes and for greater ease of manufacture.

25. Arrangements have been made to have the latest R.D.F. design altered slightly in order to tie in more efficiently with the fire control systems of ships in which it will be used.

26. Engineering advice was given on various subjects not directly connected with fire control, including power arrangements for Peatty Platforms, A/S practice targets, certain problems of the equipment division, electrical requirements of torpedo schools at Halifax and Esquimalt.

27. New designs of ordnance have been developed, such as sights and shields for machine guns, and several improvements to existing armament introduced.

28. Considerable quantities of drawings related to the armament of the Tribal Destroyers built in the United Kingdom have been received and classified for reference purposes.

29. The manufacture of Torpedo engines and other related equipment has been steadily developed, although the actual manufacture of the complete torpedo is not at present visualized. The opportunity afforded to obtain parts for maintenance is being taken advantage of to the fullest extent possible.

30. The 18 inch Torpedoes supplied with the first five Motor Torpedo Boats which were transferred to the Admiralty have been made available for return to Canada.

31. The construction of Peatty Platforms for Training Establishments is proceeding and the first 6" Loading Teachers made in Canada are about to be delivered.

32. Storage arrangements in all Bases and at the Naval Armament Depot in St. John's, Newfoundland, have been expanded to certain extent and this has made it possible to provide somewhat larger reserves at these points. Much remains to be done in this regard before it will be possible to stock everything requisite for replenishing ships.

33. Arrangements have been completed for the storage of ammunition and depth charges as reserve for H.M. Ships on escort in the American Coastal Waters at Guantanamo, New York, and at Boston, U.S.A.

34. An armament stores base has been opened at Prince Rupert and supplies sent there for ships operating in that area.

35. The outfitting of newly constructed ships in the Great Lakes area by stores held at Quebec continues, as well as the replenishing of ships calling at that port.

36. The storage condition at Halifax, particularly for ammunition, is still the cause of much concern. It was recently necessary to hire two covered lighters for storage purposes for a month, pending relief of conjestion by distribution. Arrangements are in hand to take over 3 Magazine buildings from the Army but the evacuation of these has been considerably delayed and occupancy has not yet been achieved.

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37. The need for the facilities of inland magazine is very pressing. The development of this project as well as the new Armament Depot at Dartmouth continues.

38. MERCANTILE DEFENSIVE EQUIPMENT

A. Defensively Equipped Merchant Ships

(1) D.E.M.S. Inspections have been carried out in ports throughout Canada as follows:-

Halifax	1165
Sydney	659
St. John	55
Montreal	188
Quebec	22
Esquimalt	70

(2) Armament has been provided to 40 vessels of which 2 were completed in Halifax, 1 in Sydney, 5 in Montreal, 3 in Quebec, 4 in St. John, 25 in Esquimalt.

(3) Low Angle Guns

12 pounder HA/LA guns continue to be received in good quantities and consist of the main armament on the average merchant vessel, being mounted in the low angle position.

(4) Anti-Aircraft Machine Guns

A considerable number of Oerlikons have been received and 188 have been mounted on merchant vessels in Canada during the quarter, the average issue to each ship being two guns, one on each wing of the bridge.

Supplies of Colt twin .5 and single .5 are in the course of being delivered to D.E.M.S. ports.

.303 Light machine guns are plentiful and are being replaced or supplemented with the heavier mid range weapons as fast as possible.

(5) 2" U.P. Weapons

Pillar box mountings and trough mountings are being fitted in all new construction merchant vessels. Ammunition has been a limiting factor to date, but this is now coming forward.

(6) New Construction Merchant Ships

Up to the present time 47 ships have been armed in Canadian ports.

Defensive equipment being supplied is as follows:

One 12 pounder HA/LA gun - in low angle position.
One 2" U.P. Pillar Box Mounting - in high angle position.
Two 2" U.P. Trough Mountings - 1 port and 1 starboard
Two Oerlikons - on wings of bridge
Two light machine guns .303 - on boat deck
Two P.A.C. stands & rockets - on wings of bridge
Two Paravanes
A.N.D. Gear

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(7) Plastic Armour C179918

Concrete protection continues to be replaced by plastic armour wherever possible. A slight change in formula and method of applying in accordance with Admiralty specifications is contemplated shortly.

Endeavour is being made to improve the quality of stone now in use, and the National Research are co-operating in this regard.

(8) A.N.D. Gear

All new construction merchant vessels are being fitted with this equipment. A repair base is maintained at Halifax, and one is in the course of preparation at Vancouver.

(9) Merchant Navy A.A. Training

Schools are now in operation at Halifax, Montreal, Vancouver and Sydney.

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X TECHNICAL DEVELOPMENT

A/S EQUIPMENT DIVISION

A large volume of orders were handled during the past quarter and the Division supplied Technical and Purchasing data and acted as procurement agent for Naval Equipment as follows:

Type of Equipment	No. of Technical Memos issued to Dept. of M&S	Approx. Cost Value
A/S	352	$4,400,000.00
B/Disposal	55	200,000.00
Echo Sounding	50	500,000.00
	457	$5,100,000.00

The Division acts in a similar capacity for the Army and the R.C.A.F. in the matter of Bomb Disposal Equipment.

2. ENGINEERING & INSPECTION

A priority rating of AA1 was obtained for such articles as rectifiers, special relays, ball bearings, streamlined stainless steel tubing, etc.

3. SHIPFITTING & MAINTENANCE

(a) Shipfitting work has started on Frigates at Yarrows, in Esquimalt, H. M. C. S. Prince Henry was fitted with Type 128C equipment.

(b) A large part of the work in the Eastern Pool is on ships being built to R. N. account. The following table shows the number of ships on which work has been done during the quarter.

	R.N. Complete	R.N. Incomplete	R.C.N. Complete	R.C.N. Incomplete
Frigates, A/S 128C, Gyro & E/S		3		4
Armed Merchant Cruiser, A/S 128C			1	
Algerine M/S, A/S 128C, ± Gyro and E/S		1		
B.S. Corvettes, A/S 127A ± Gyro and E/S		5	11	5
"Bangor" M/S, A/S 128 ± Gyro & E/S				
"Western Isles" Trawlers, A/S 123A and E/S	8	8		
Fairmiles A/S 134A	8			12
Harbour Patrol Craft, A/S 134A			1	
	16	17	13	21

4. DEVELOPMENT

(a) McGregor Range & Bearing Recorder - A sample recorder is under construction. The design of this recorder, pending fabrication of those parts necessary in the first sample, is under study and being further developed by a qualified mechanical engineer.

(b) Rochelle Salt Oscillators - One Rochelle Salt Oscillator has been constructed and examined for characteristics. This particular type of mechanical assembly falls short of developing those

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4. DEVELOPMENT - continued

(b) (Cont'd)
properties capable of attainment with Rochelle salt crystals, and the development is continuing. Work so far, however, proves that with suitable adapters, rochelle salt oscillators could be substituted on existing sets in place of quartz oscillators.

(c) Simultaneous Lobe Comparison - A quartz oscillator has been constructed to determine the possibility of adapting U.S.N. - S.L.C. gear to British Asdics.

(d) A/S Target, San Diego Type. - An A/S Target that receives, amplifies, and re-transmits sound at the same frequency of the sound received is under development. The oscillators rochelle salt type, and the electrical apparatus, have been developed. A casing to house the electrical assembly remains to be constructed.

(e) Protection of A/S Dome, West Coast - A guard designed as a type of fender, and to be placed 'forward' of A/S Domes on Fairmile motor launches, has been submitted to the Dept. of Naval Construction for their consideration.

(f) S.M.S.D. Gear - This equipment has been temporarily installed on H.M.C.S. "LA LOOPS". It consists essentially of four coils which must be balanced against one another during severe weather conditions. Not until this balance has been obtained can sufficient sensitivity be applied to the apparatus. Dr. A.C. Young of N. R. C. is at present in Pictou working on the project.

(g) Amplifier for Indicator Loops. - This equipment has been installed at Camperdown, N.S., and is receiving comparison runs with C.E. Recording equipment and Admiralty Indicator Loop apparatus.

5. SHIPFITTING - A/S EQUIPMENT

At the end of the quarter R. C. N. A/S fitted vessels were, excluding losses:

Corvettes	76
Minesweepers	46
Fairmiles	36
Auxiliary Cruisers	3
Destroyers (River)	5
Destroyers (Town)	7
Auxiliary Vessels	11
Fishermen's Reserve	1
Western Isle Trawlers	4
Motor A/S Boat	1
Gate Vessels	4
	194

Installations made in vessels building for R. N. are not included in the list given.

6. Training Equipment

Training equipment installed and working now comprises:

	Halifax	Esquimalt	St. John's Nfld.
Attack Teachers	3	2	
Mass Procedure Teachers	2	1	
Procedure Teacher	1		

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(Cont'd)	Halifax	Esquimalt	St. John's Nfld.
Demonstration Apparatus	123A: 128: 134A: MSXIIC	123A: 128: 134A: MSXIIC	
Mobile Training Units	1		1

Use of submarines for training purposes has been possible during the quarter. This has been of very great advantage.

7. Projects

Projects currently under way include the following:

Protection of domes against logs.
Second set of A/S gear for H.M.C.S. "SANS PEUR"
Fixed Defences Botwood
Strait of Juan de Fuca
Prince Rupert
Vancouver
Improvement of 123A and 128A type A/S sets towards the final types 144 and 145.
A/S targets (see above).
Design and fitting of new A/S School Digby.
S.N.S.D. device; fitting and testing in H. M. C. S. "WALLOOPS".

8. A/S Production Schedule

(1) Staff approval has been obtained to fit type 145 A/S sets, Gyro Compasses and Low Power Systems in the seventy-six corvettes now in commission.

(2) Approval has also been obtained for the fitting of the type 144 A/S set in the following new construction ships of 1943-44 program.

Frigates	- 7
Revised S. S. Corvettes	- 22
Destroyers (Tribal)	- 2

(3) Plans are also under way to construct eighteen more Fairmiles and six more Algerine Minesweepers. These ships will be fitted with type 134 A and type 128C equipment respectively.

A submission to Council has been prepared requesting commitment authority for approximately $5,000,000.00 to procure the A/S gear above mentioned. This sum of money will also provide for adequate spare components in all bases, dockyards and at the main warehouse.

9. S.T.T.D.

I MAGNETIC MINESWEEPING:

105' Wooden Minesweepers on West Coast

SECRET Arrangements have been completed to have Admiralty supply the Diesel generators, batteries with their connectors, generator panels and complete sets of spares from equipment already manufactured in the United States. This equipment has now been allocated and will be stored at Montreal pending installation.

Coil Skids on the West Coast

As a temporary measure to provide Magnetic Minesweepers on the West Coast, the Naval Staff decided to construct

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9. (Cont'd)

SECRET 6 Coil Skids and equip 3 Towing Vessels. A new Specification was prepared for the Coil Skid proper with a view to using it later as a general purpose scow and the Department of Munitions and Supply have called for tenders. The requisite Diesel generators have been procured from surplus "LL" Sweep generators and are being rewound prior to installation.

II ACOUSTIC MINESWEEPING

Acoustic Range on the Pacific Coast

MOST SECRET Action is pending report by C.O.P.C. on suggestions for housing and cost estimates. Equipment for the range is now in the process of preparation by the National Research Council.

III RESEARCH - NATIONAL RESEARCH, OTTAWA

Acoustic Research on High Frequency Ships' Noises

MOST SECRET This is a project which was instigated at the request of the British Admiralty, and is a long-term investigation. The results achieved so far have received the commendation of the Admiralty.

Diffusion Lighting

MOST SECRET Approval has been given to fit two existing corvettes with General Electric designed equipment proposed by Professor E. G. Burr. An AAI priority has been obtained, and it appears likely that all items will be available early in December for installation aboard the selected ships during their next refit.

Rubber Knee Boots substitute

SECRET The Chemistry Division have developed a method of laminating fabric with Butvar plastic, to produce a thick, flexible and wear-resistant material, as a substitute for leather and rubber for boot soles and uppers. This Division is arranging for the manufacture by the Dominion Rubber Company, of sample knee boots for service trials.

Cellular Materials

CONFIDENTIAL This project concerns the development of buoyant materials to substitute for cellular rubber, Kapok, Balsa Wood, etc., used in the Service for life-jackets and buoyant packing material. Special apparatus has been constructed for blowing of thermoplastic and thermosetting materials, utilizing all known methods to produce a truly cellular, lightweight, mass. This project has been given a high degree of priority due to the scarcity of the materials for which it is to be substituted.

Rubber Conservation

CONFIDENTIAL The staff of the Rubber Division has given full co-operation in the matter of preparing specifications calling for reduction in rubber content of all rubber articles used in the Service.

Chemical Warfare - Smoke Trials

MOST SECRET The Naval Experimental Officer, working in co-operation with the Army Chemical Warfare Experimental staff, procured the necessary equipment and conducted trials in connection with smoke screening experiments at Bedford Basin, Halifax,

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Chemical Warfare - Smoke Trials (Cont'd)

N.S. This matter stands at present awaiting final decision as to its ultimate use for the protection of harbors.

Submarine Detection Gear - S.M.S.D.

MOST SECRET — One experimental installation of equipment designed and prepared by the Physics Division of the N.R.C. has now been permanently installed in H.M.C.S. "KAMLOOPS". Service trials are to follow when the ship has completed general refit.

Oil Slick Samples

SECRET — The Fuel Testing Laboratory, Mechanical Division of N.R.C., in collaboration with experts of the Petroleum Industry, are investigating various proposed methods for the collection of oil slick samples from the surface of the sea, following attack on enemy submarines.

Instructional Equipment

MOST SECRET — Several working models of Japanese Bomb fuses were made in the Radio Section machine shop for the use of the Bomb Disposal School, Chilliwack, B.C.

IV INVENTIONS

Some 200 inventions have been examined by Examiner Naval Inventions. Of this number, 1 has definite merit, and is being developed for service trials.

10. PASSIVE AIR DEFENCE

ORGANIZATION AND CO-ORDINATION

Considerable inspection of the A.R.P. organization in different establishments has led to the conclusion that the importance of co-operation between Naval and Civilian A.R.P. cannot be stressed too strongly since in an air attack on any one area, the Civil and Naval organizations will be compelled to work together. Moreover (in such branches of A.R.P. as for instance firefighting) the Navy will be obliged to rely on Civilian aid. It is naturally important too that good development of the organization as a whole will only be accomplished if there is good co-operation between the Establishments themselves, and between N.S.H.Q. and the various Establishments.

Lieutenant W. S. Darby, after inspecting the A.R.P. organizations of all important Establishments of the East and West Coasts, has compiled detailed reports with regard to shelter requirements and the urgent need of equipment of all types.

Lieutenant J. A. Kemp is undertaking the detailed development of training in A.R.P.

A.R.P. - GENERAL ORDERS

In March, 1942, when the P.A.D. organization was first formed at N.S.H.Q., it was seen that there was an immediate need for forming at least a skeleton A.R.P. organization at each Establishment. This has in general been accomplished, and the organizations established could, although by no means perfect, or built on a large enough scale, offer some protection to the bases if put to the test.

However, the time has now come for this organization to be greatly developed and for the individual organizations

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to be completely co-ordinated. A detailed book of A.R.P. orders has therefore been compiled. It is hoped that by giving careful consideration in this way to every possible phase of probable air attack, and to every possible complication or emergency that may arise, the individual organizations will prove effective when the time comes.

TRAINING

After inspection of many Establishments it was found that there was no adequate training provided for all branches of A.R.P. The urgency of the situation demanded that something should be done immediately. A scheme was therefore devised to begin a two day's course on instruction which was to be fitted into the existing training. Meanwhile a new scheme for a central training Establishment for all A.R.P. work was drawn up, for this was found to be the only really satisfactory solution to the problem. This will provide training for all personnel by Air Raid Experts and at the same time co-ordinate the whole system of instruction throughout Canada.

BLACKOUT

Four days after Blackout had been ordered for the West Coast of the United States from Seattle to Mexico, and for the whole coast of Alaska, inquiries were made into the question of Blackout on the intermediate Canadian Coast. A successful effort was made to initiate a combined discussion of the situation by the Services and Civilian authorities to get something done. It is felt that whatever is done on the Coasts, the policy for the United States and Canada should at least be uniform and such a variance not allowed to exist.

Part of the Blackout difficulty is that no machinery has yet been set up to initiate a total blackout at short notice in any given area, but it is hoped that this problem will have now been solved by arrangements which were made with the Civilian Authorities for the blacking out of the South Side of the St. Lawrence.

BLACKOUT SCREENS AND LIGHTING

Much research work has been done in this direction, and designs and standards for Blackout screens have been completed. The problem of blackout, however, includes also the provision of sufficient "marking lights" to avoid accidents which occur in the complete dark, and to enable vital work to be continued at a normal rate. This question is receiving much attention, and is being discussed in regular meetings held by the P.A.D. officer with the other Services. The members consist of representatives from the Army and Air Force together with the Electrical Engineers from each Service, and from the Department of Transport.

NATIONAL AIR RAID PRECAUTIONS COMMITTEE

This committee has been formed with the Honourable R. J. Manion, M.D. (Director of Civilian A.R.P.), Mr. H. Ainsworth (Department of Transport), Squadron Leader Goodspeed, Major Collinson and Lieutenant E. P. Elliott as members. Future meetings will prove extremely valuable to settle broad questions of policy and carrying out of policy adopted.

BROADCASTING

Considerable thought was given to the possible use of broadcasting and records for use in A.R.P. work. A general scheme was prepared in conjunction with the Naval Broadcasting Officer who concurred in the idea and who would work out complete details of the program. It is hoped that this scheme

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will help to establish a fine co-ope ation between Naval and Civil A.R.P. Organizations in any area as well as to provide courses of instruction of Naval Personnel.

EQUIPMENT AND CONSTRUCTION

(a) EQUIPMENT FOR INCENDIARY FIGHTING AND ANTI-GAS.

Reports have been compiled concerning the amount of equipment valuable to each establishment for A.R.P. purposes. The results were somewhat alarming especially with regard to fire-fighting since it was found that no Establishment was up to normal peace-time standards with regard to the supply of equipment. Comprehensive fire-fighting and anti-gas schemes were compiled to give a general outline from which individual schemes should be based and also to show the complete amount of equipment required for each Establishment. Immediate financial approval is of utmost importance.

(b) Incendiary Bombs

Repeated attempts have been made to obtain a supply of Incendiary Bombs for practice purposes. Efforts to buy them in Canada led to no satisfactory results, and attempts are now being made to obtain them from the United States.

(c) Luminous Paints and Materials

A quantity of information has been gathered regarding the possible future use of luminous paints. This question is closely linked with that of the general illumination to be used during blackouts and the material may therefore be of the greatest value.

(d) Air Raid Shelters

The construction of shelters has appeared somewhat slow. Tubular shelters are now partially completed in Prince Rupert and in the R.C.N. Barracks and R.C.N. Dockyard, Esquimalt. Designs for tunnelling at Prince Rupert and Esquimalt Dockyard are completed. Plans are being completed for the tunnelling at Esquimalt Barracks, and also for reinforced concrete shelters on Halifax Dockyard. Tunnelling on the East Coast is to await the results of the present tunnelling operations on the West.

CAMOUFLAGE

The Inter-Service Camouflage Committee has now made the following definite proposals:-

(a) That the R.C.A.F. shall be responsible for all camouflage design for the three Services.

(b) That camouflage be confined to the Coasts at present.

Work by the R.C.A.F. Design Units is to commence shortly.

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11. BOOM DEFENCE

(1) Anti-submarine installations are now in position at Halifax, N.S., Sydney, N.S., Gaspe, Que., Shelburne, N.S., Esquimalt, B.C., Prince Rupert, B.C.

(2) Anti-torpedo Installations are now in position at Sydney, N.S., St. John's, Nfld., Bay Bulls, Nfld., Esquimalt, B.C.

(3) NEW INSTALLATIONS

(a) Curtain Nets, hung from supports on the barrels of the Seaward Line of the A/S Boom will be installed at Halifax, Esquimalt, Prince Rupert, and Shelburne as soon as materials are received.

(b) The new A/T at St. John's, Nfld. is nearing completion, delay having been caused by the non-delivery of the hoisting machinery.

12. R.D.F.

(1) The fitting of R.D.F. in escort groups has progressed to the point where the majority of these ships have now been completed. New construction coming from the Great Lakes and St. Lawrence is being completed with R.D.F. at Montreal and Quebec to ease the strain on East Coast Dockyard facilities.

(2) Pending delivery of the new Canadian type RXC sets, arrangements have recently been completed to undertake fitting in the U.K. of certain Mid-Ocean escort ships with the latest Admiralty type equipment. Particular attention has been given to providing new equipment for our destroyers to replace earlier types which have been in use for some time and are now considered out-dated.

(3) It is anticipated that identification equipment will be available in quantity early in 1943.

(4) The National Research Council is making good progress in development work. One project in particular (undertaken on behalf of the R.N. and R.C.N.) to provide a compact yet efficient unit for certain applications, looks very promising from preliminary trials. N.R.C. are presently conducting actual sea trials to prove its usefulness.

13. CONTRACT BUILT SHIPS

(1) During the third quarter of 1942, seven Steam and four Diesel Minesweepers, two L.L. Sweepers and one Base Supply Ship completed acceptance trials and were commissioned.

(2) Four Harbour tugs were completed and despatched to sea ports from Owen Sound.

(3) Five Western Isle Trawlers completed for the Royal Navy and turned over to Royal Canadian Navy for operations completed gun trials with R.C.N. Trial Parties.

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(4) Motor Minesweepers Numbers 104, 105, 106, and 102 have carried out final trials while Q 392, 393, 396, 397 are also completed all for the Royal Navy and are awaiting crews.

(5) A slight defect in all 12 pdr. guns was located and remedied by Gun Trials Staff in conjunction with the firms concerned. A marked improvement is being shown by shipyards in the quality of vessels turned over for service.

14. DEGAUSSING

(A) Work carried out at D.G. Ports.

The following work has been carried out at the various D.G. Ports during the past quarter:

Permanent installations Merchant Vessels	36
Semi-permanent installations Merchant Vessels	7
Repairs to Merchant Vessels	111
Repairs to H.M. Ships	4
Repairs to H.M.C. Ships	25
Compass corrector coil installations	75

(B) R.C.N. Vessels (in commission)

Degaussing work on R.C.N. Vessels in commission has consisted mainly of minor repairs but in some cases major repairs have been necessary. It is felt that the extent of these repairs will increase as time goes on and a recommendation to refit existing 110 volt Single Screw Corvettes with revised degaussing was not approved by Naval Staff.

(C) Canadian Merchant Vessels (in commission)

It has been estimated that expenditures for the next quarter will only amount to approximately $40,000.00 since adequate stocks of material are now building up.

(D) R.C.N. (New Construction)

The voltage on Single Screw Corvettes has been changed to 220 volts which results in a much neater degaussing installation.

During conferences at Halifax the complete policy for degaussing R.C.N. vessels was established and this policy is being followed for all future construction. Broadly speaking this policy results in a more complicated coil design than the Admiralty's while retaining their simplicity of operation and is less complex than the American coil design but approaches the safety depths obtained.

Investigations are being conducted as to the possibility of using synthetic materials in lieu of rubber on degaussing cable for R.C.N. Vessels.

It is now the responsibility of the shipbuilder to supply all the necessary equipment for degaussing to specifications the equipment and installation drawn up and issued by Naval Service.

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(E) Canadian Merchant Vessels (new construction) C179928

The last installation using rubber covered cable has been completed and henceforth all vessels of these classes will be suing paper insulated lead covered cable.

(2) COMPASS CORRECTOR EQUIPMENT

(A) R.C.N.

A slight modification has been made to the Pattern 945 heeling error coil resistance box. This modification allows a 40% increase in the effect of the heeling error coil.

(B) General.

The compass corrector coil supply situation is extremely good at the present time and compass corrector deflection magnets and heeling error coil adjustment magnets have been issued to the various ports for use in compass adjustment.

(3) RANGES

Ranges at Halifax, Sydney, Vancouver, Quebec, are functioning satisfactorily.

(B) General.

The question of establishing a D.G. Range at Esquimalt for ranging Minesweepers and minor war vessels is under consideration at the present time and will be submitted for Staff approval shortly.

(4) DEPERMING

(A) Halifax

The Mobile Deperming Unit in Halifax has been functioning successfully during the past quarter and during this period has depermed a total of 44 ships.

(B) Vancouver

Plans for a similar Deperming Unit in Vancouver are progressing slowly. The chief hold-up at the present time is getting an adequate priority for the electrical equipment. It is not expected that this unit will be operating until some time next Spring.

(5) GENERAL

During the past quarter the distribution of all degaussing reports, pamphlets, technical information, etc., previously handled by D/D.E.M.S., was taken over by this office and an additional Clerk Grade 2 has been obtained to assist with this increased work.

Owing to operational changes on the East Coast a reallocation and transfer of several Officers and men was made to meet the changed conditions.

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XI PUBLIC RELATIONS

1. The Naval Information Section, during the past quarter, has been engaged in preparing an increasing number of news releases in addition to the feature articles which form a large part of its work. The value of having press officers attached to the different Naval bases was proven in connection with the "Assiniboine" incident. The Press Liaison Officer on the staff of F.O.N.F. was able to secure complete "coverage" of the incident and the material was generally prepared in such a way that it was quite acceptable to the editors of newspapers across Canada and in the United States.

2. The volume of articles prepared for National distribution in daily and weekly newspapers continues to grow. In addition, a number of special articles for various publications were submitted and accepted.

3. A programme, dealing with the production and distribution of feature stories and articles was drawn up in August. It was put into effect in September and the results have been reasonably good. A 15,000 word booklet entitled "Ships mean Victory" was prepared on behalf of the Navy League which has undertaken its distribution.

4. Assistance was lent in the making of a number of films. One entitled "Corvette" is a full-length feature from Hollywood.

5. Since the appointment of a Photo Editor to the Section, several hundred photographs have been sent out to various publications and contacts have been established with outlets in the United States for the placing of Naval photographs. A selection of R.C.N. photographs has been going forward weekly from the Department of Public Information to daily and weekly newspapers. The rotogravure papers are being supplied with all they can handle.

6. This Section has written and produced the Naval Broadcast Series "The Life-Line Holds", consisting of five 25 minute dramatic presentations over CBC network of 33 stations. Liaison work and general negotiation of the forthcoming United Services programme series entitled "Comrades-in-Arms" has been completed. The script for the opening broadcast was designed in this Section.

PHOTOGRAPHIC SECTION

7. Reproduction of Anti-Submarine Chart Traces has been developed, and a standardized procedure has been laid down for the guidance of the Base Establishments.

8. Anti-Aircraft Camera and Rectifier have been received from the Admiralty, and experiments are under way to determine the advisability of adopting this Camera in the R.C.N. for training purposes. A Camera to replace the Rake for determining the Fall of Shot from the Target Towing Vessel is being developed.

9. Arrangements are proceeding for the production of Slidefilms for training purposes, and the first training film has been practically completed and should be in use in a few weeks.

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SECRET

COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol.25.

Ottawa, 3rd October, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 152

(For week ending 3rd October)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	4	0	514	3,437	518	3,436
RCNR	7	15	890	4,721	897	4,733
RCNVR	35	201	3,646	35,113	3,680	35,275
GRAND TOTAL	46	216	5,050	43,271	5,095	43,444
LESS DIV. STR.			349	3,822	323	3,899
TOTAL ACTIVE SERVICE			4,701	39,449	4,772	39,545

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	1	1
Discharges (a) Med. Unfit	0	11	11
(b) Other Reasons	1	31	32
TOTAL	1	43	44

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from R.C.N.R.	0	0	0
To RCN from R.C.N.V.R.	0	1	1
To RCNR from R.C.N.V.R.	1	0	1
TOTAL	1	1	2

2. CASUALTIES

Ldg.Stoker (TY) Arthur J. HEATHORN, O.N. 21588 - Missing believed drowned, H.M.S. "SOMALI".

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	70	588	658
Other Deaths	9	63	72
TOTAL	79	650	730
Wounded or Injured	6	85	91
Prisoners of War	6	3	9

3. OPERATIONS

ATLANTIC COAST

U-boat Activities

Sightings by shore watchers and attacks on submarines by both aircraft and surface vessels during the week indicated the continuous presence of U-boats in the Gulf of St. Lawrence. There were, however, no attacks or sinkings in this area.

Three Ocean Convoys were attacked in mid-ocean, two ships being sunk and one torpedoed. Seven unescorted vessels were sunk in the Trinidad area during the week and one in mid-Atlantic.

The following figures show the areas in which ships were reported sunk during the week, with comparative figures for the preceding week:

	Week ending Sept. 24th	Week ending Oct. 1st
Trinidad - unescorted	7	7
Mid-ocean - unescorted	2	1
- in convoy	2	2
Atlantic Coast -	1	-
	12	10

The numbers and tonnages of ships reported sunk during the week with comparative figures for the last 3 weeks were:-

Week Ending	Cargo	Tankers	Warships	Total	Tonnage
10th Sept.	7	2	-	9	48,900
17th Sept.	14	4	3	21	102,700
24th Sept.	11	-	1	12	41,800
1st Oct.	8	2	-	10	49,800
	40	8	4	52	243,200

The following list gives particulars of ships sunk about which information has been received during the past week:

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TIME	POSITION	NAME	TONS	REMARKS
/9	15° N 50° W	PEIPING	6,390	Torpedoed, sunk, Swedish tanker, sailed Buenos Aires 22/8 N.Y.
1345Z/13	48° 18' N 39° 43' W	STONESTREET	6,131	Torpedoed, sunk, Pan. cargo, sailed U.K. O.N. 127 N.Y.
1215Z/20	08° 55' N 57° 34' W	REED POOL	4,838	Torpedoed, sunk, Br. cargo, sailed Capetown 21/8. Destination unknown.
/21	08° 30' N 59° 30' W	PREDSEDNIK KOPAJTIC	1,798	Y. Slav. cargo. Sailed Georgetown from Trinidad 21/9. Torpedoed, sunk.
/23	08° 58' N 59° 39' W	ANTINOUS	6,034	U.S. cargo. Sailed Trinidad 23/9 Georgetown. Torpedoed, sunk.
/23	09° 20' N 60° 10' W	LINDVANGEN	2,412	Torpedoed, sunk, Nor. cargo. Sailed Trinidad 12/9.
1200Z/24	53° 10' N 41° W	ESSO WILLIAMSBURG	11,232	Torpedoed, sunk, U.S. Tanker. Sailed Aruba 12/9. Reykjavik 24/9.
/25	54° 23' N 27° 54' W	BOSTON	4,989	Torpedoed, sunk, Br. passenger. Sailed St. John's R.B. 1 21/9 Londonderry.
1006Z/26	08° 50' N 59° 50' W	TAMBOUR	1,827	Torpedoed, sunk, Pan. cargo. Sailed Trinidad 17/9.
/29	08° 56' N 60° 08' W	ALCOA MARINER	5,590	Torpedoed, sunk, U.S. cargo, sailed Trinidad 27/9 Georgetown 29/9.

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The following ships were reported attacked during the week:

TIME	POSITION	NAME	TONS	REMARKS
2330Z/27	00° 13' N 47° 45' W	OZORIO	2,730	Torpedoed, Braz. cargo, arrived Paraguay 29/7.
2330Z/27	00° 13' N 47° 45' W	LAGES	5,472	Torpedoed, Braz. cargo, sailed Paraguay 16/6 N.Y. returned Paraguay 17/6.
2024Z/29	47° 32' N 52° 35' W	S.S. OCEAN VAGABOND	7,174	Torpedoed, Br. sailed Halifax 27/9 H.X. 209 Loch Ewe.

Attacks on Convoys

Convoy R.B. 1

Escorts - H.M.S. "VETERAN" and "VANOC" - 8 River Steamers

The convoy was attacked in mid-ocean on 25th September and two ships, S.S. "BOSTON" and "NEW YORK", were torpedoed and sunk. H.M.S. "VANOC" carried out two counter attacks. The next day H.M.S. "VETERAN" and one other River Steamer were sunk. H.M.S "EXE" and "DEPTFORD" despatched to augment the escort, heavily attacked a U-boat in the vicinity with unknown results.

Convoy H.X. 209

S.S. "OCEAN VAGABOND" detached from Convoy H.X. 209 in mid-ocean and was torpedoed while being escorted to St. John's, Nfld. by H.M.C.S. "MIDLAND" but was successfully towed to St. John's.

Convoy O.N. 127

S.S. "STONESTREET", ex-O.N. 127, was torpedoed and sunk in mid-ocean on 13th September. Of the twelve Merchant Ships attacked between 10th September and 13th September and two ships straggling and missing,-

6 were torpedoed and sunk
1 torpedoed, presumed sunk
5 torpedoed, arrived
2 straggled, arrived

U-Boat Sightings and Attacks

A U-boat was sighted and attacked by an R.C.A.F. aircraft off Seven Islands on 24th September. No definite results were reported.

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Early on 25th September a U-boat was attacked by aircraft 25 miles southwest of Ellis Bay, Anticosti. The U-boat was sighted in the moonlight and machine-gunned and bracketed with depth charges.

A U-boat was sighted in the vicinity of Convoy Q.S. 37 a.m. 25th September, 60 miles southeast of Gaspe. The U-boat dived before the aircraft could attack.

H.M.C.S. "SKEENA", escorting Convoy O.N. 131 sighted and attacked a U-boat in mid-Atlantic on 25th September. The U-boat was brought to the surface but submerged again. No definite results were reported.

An aircraft attacked a U-boat 130 miles northeast of Sydney p.m. 25th September. An oil slick appeared and markers were dropped.

H.M.C.S. "GEORGIAN" escorting Convoy Q.S. 37 attacked a U-boat 50 miles northeast of Sydney p.m. 26th September. It is considered the U-boat was driven off.

U-boat sightings from A.D.C. observers were reported on 26th and 27th September off Port Aux Basques.

An aircraft machine-gunned a U-boat 40 miles east of Gaspe p.m. 29th September. The deck of the U-boat was under water, but visible when the aircraft dropped 4 depth charges from 50'. The charges exploded beside the hull and near the conning tower. The U-boat was blown to the surface and seen to settle slowly by the stern.

PACIFIC

An attack on Kiska on 25th September by 4 R.C.A.F. P-40's, 28 U.S. fighters and 9 heavy bombers resulted in gun emplacements, shore installations, ships and surfaced submarines being bombed. The Japanese lost 7 aircraft. Our losses were nil. Considerable activity at Kiska indicates possible withdrawal or movement to Amchitka. Observations of Attu show the enemy has probably withdrawn from Holtz and Chicagof harbours.

TRADE DIVISION

Atlantic Coast

New York	31 ships	Sailed September 24th.
Halifax	10 ships	

A/S Escort: H.M.S. "HIGHLANDER"
"CLOVER"
"PENNYWORT"
"BORAGE"
"ANEMONE"
U.S.S. "BEVERLEY"

British 24, Norwegian 6, U.S. 7, Dutch 2, Panamanian 2.

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New York	25 ships	
Halifax	12 ships	sailed September 26th
Sydney	12 ships	

A/S Escort: H.M.S. "FIREDRAKE"
"SUNFLOWER"
"ALISMA"
"LOOSESTRIFE"
"PINK"

British 20, Norwegian 13, Greek 5, Dutch 2, U.S. 5, Panamanian 2, Honduras 1, Belgian 1.

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Trans-Ocean Sailings - 4

Pacific Coast - 0

- - - - - - - - - - -

GENERAL

The fire in S.S. "MAKENA" reported last week was brought under control by the crew of S.S. "GRIFFCO" who went alongside, fought the fire and later induced the crew of S.S. "MAKENA" to return to their ship.

A Hudson giving air coverage to Convoy S.H. 46 was reported missing on 25th September. No further word has been received.

Eighteen Fairmile Motor Launches are to be despatched to the Caribbean for the winter months. Six will be based at Aruba and 12 at Trinidad with H.M.C.S. "PROVIDER".

New Construction

H.M.C. Motor A/S boat S-09 was commissioned at Montreal 25th September. This vessel was built in the U.K. and sent to the U.S. for experimental purposes. Her 3 - 1300 H.P. Merlyn Rolls Royce engines have been replaced with 2 - 500 H.P. Kermath engines which will give her a maximum speed of 22 knots.

H.M.S. "MANITOULIN", a Western Isles Trawler, was commissioned at Midland on 27th September, 1942.

4. WORKS

BOOM DEFENCE

Work on the laying of the A/T Baffles at Bay Bulls, Nfld., is progressing in spite of great difficulties encountered by the need for salvaging Flat Scow at St. Pierre and the breakdown of B.D. 3.

The manufacture of Nets for Close Ship Protection is now proceeding at the contractor's plant at Leaside, Ontario.

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ANTI-SUBMARINE BRANCH

In connection with the protection of Domes, A/S noise tests are to be made before and after the application to a West Coast Fairmile of a guard designed to protect certain underwater components from damage by logs.

A list of known wrecks in Canadian and Newfoundland waters is to be issued as a "Canadian Naval Notice to Mariners - Confidential" for use by A/S vessels.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 166.

Arming of 5 ships has been completed, and 3 are in hand for arming.

TECHNICAL DIVISION

In connection with Acoustic Minesweeping, H.M.C.S. "TRURO" and "FORT WILLIAM" were taken in hand at Halifax for the installation of S.A. Gear.

Work is proceeding satisfactorily at the N.R.C. although there is nothing of interest to report this week.

CONTRACT BUILT SHIPS

One Minesweeper successfully completed trials, and one Western Isles Trawler was commissioned.

DEGAUSSING

During the past week D.G. work was carried out on 17 ships.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $794,317.54.

CHIEFS OF STAFF COMMITTEE
3rd October
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

H.Q.S. 5199-U, Vol. 25.

Ottawa, 26th September, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 151

(For week ending 26th September)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	2	0	515	3,475	514	3,437
RCNR	3	43	891	4,693	890	4,721
RCNVR	16	404	3,636	34,822	3,646	35,113
GRAND TOTAL	21	447	5,042	42,990	5,050	43,271
LESS DIV. STR.			355	4,179	349	3,822
TOTAL ACTIVE SER.			4,687	38,811	4,701	39,449

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	7	117	124
Discharges (a) Med. Unfit	1	14	15
(b) Other Reasons	5	35	40
TOTAL	13	166	179

(c) Transfers:

	Officers	Ratings	TOTAL
To R.C.N. from R.C.N.R.	0	0	0
To R.C.N. from R.C.N.V.R.	0	1	1
To R.C.N.R. from R.C.N.V.R.	1	0	1
TOTAL	1	1	2

2. CASUALTIES.

1 Officer and 8 ratings, missing believed killed in H.M.C.S. "CHARLOTTETOWN", 10.9.42.

5 Officers and 109 ratings, missing believed killed in H.M.C.S. "OTTAWA", 13.9.42.

Stuart C. LANE, Lieutenant, R.C.N.V.R., missing on Active Service 14.9.42.

Previously reported missing, now prisoners of war:

Robert F. McRAE, Lieutenant, R.C.N.V.R.

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Previously reported missing, now prisoners of war: (Cont'd)

Robert William BROWN, Ldg. Sto. A1637
Lloyd G. CAMPBELL, A.B. V17138.

Injured in H.M.C.S. "CHARLOTTETOWN", 1 Officer, 13 Ratings.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	70	587	657
Other Deaths	9	63	72
TOTAL	79	650	729
Wounded or Injured	6	85	91
Prisoners of War	6	3	9

3. OPERATIONS

ATLANTIC COAST

U-boat Activities

Attacks on shipping during the week were confined to the Trinidad area where seven vessels were torpedoed and sunk, and the mid-Atlantic where two unescorted ships were torpedoed and sunk, and two ships with Convoy S.C. 100 were sunk. No tankers were lost.

The total tonnage reported lost during the week was the lowest since the week ending July 29th, when 33,500 tons were sunk.

The following figures show the areas in which ships were reported sunk during the week, with comparative figures for the week ending September 17th.

	Week ending Sept. 17th	Week ending Sept. 24th
Trinidad - unescorted	4	7
- in convoy	2	-
Caribbean - unescorted	1	-
Mid-ocean - unescorted	1	2
- in convoy	6	2
Canadian waters - in convoy	7	-
Atlantic Coast	-	1
	21	12

The numbers and tonnages of ships reported sunk during the week with comparative figures for the last 3 weeks are as follows:

Week ending	Cargo	Tanker	Warships	Total	Tonnage
3rd Sept.	10	4	-	14	89,000
10th Sept.	7	2	-	9	48,900
17th Sept.	14	4	3	21	102,700
24th Sept.	11	-	1	12	41,800
	42	10	4	56	282,400

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The following list gives particulars of ships sunk about which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
/30	10° 30' N 55° 30' W	WEST LASHAWAY	5,637	Torpedoed, sunk, U.S. Cargo, sailed Matadi 3/8 Lagos.
/ 6	28° 35' N 57° 35' W	HELEN FORSEY	98	Sunk by gunfire, Br. schooner, sailed Kingston 28/8 St. John's.
/14	11° 20' N 59° 30' W	HARBOROUGH	5,415	Torpedoed, sunk, Br. cargo in Buenos Aires 5/8.
/15	10° 45' N 60° 00' W	SHORHOLT	4,801	Torpedoed, sunk, Nor. cargo, sailed Santos 6/8 Buenos Aires.
/16	11° 15' N 54° 40' W	COMMERCIAL TRADER	2,606	Torpedoed, sunk, U.S. cargo, arrived Curacao 21/7.
1200Z/18	08° 03' N 58° 13' W	MAE	5,607	Torpedoed, sunk, U.S. Passenger, sailed Trinidad 15/9 Georgetown.
1200Z/18	08° 36' N 59° 20' W	NORFOLK	1,901	Torpedoed, sunk, Br. cargo, sailed Trinidad 30/8 Paramaribo.
1830Z/19	Off New York	PENTLAND FIRTH	485	Sunk in collision, Br. fishing boat.
2025/19	44° 50' N 42° 00' W	OLAF FOSTENES	2,994	Presumed sunk, Nor. cargo, sailed Mersey 12/9 Halifax-independent.
1318Z/20	56° 25' N 38° 05' W	EMPIRE HARTEBEESTE	5,579	Torpedoed, sunk, Br. cargo, sailed Halifax 12/9 S.C. 100 Mersey.
1820/20	14° 55' N 60° 00' W	MONTE CORBEA	4,085	Torpedoed, sunk, Spanish cargo, sailed Curacao 16/9 Bilbao.
2340/22	58° 29' N 30° 23' W	TENNESSEE	2,342	Torpedoed, sunk, Br. cargo, sailed Sydney 13/9 S.S.C. 100.

The following ships were reported attacked during the week:-

/15	38° 27' N 55° 54' W	SANTA CECILIA	6,085	Torpedoed, U.S. Cargo, sailed New York 13/9 Liverpool.

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TIME	POSITION	NAME	TONS	REMARKS
1804/22	51° 05' N 44° 16' W	MATILDA	3,650	Torpedoed, Nor. cargo, sailed U.K. O.N.S. 130 Boston.
2228Z/22	58° 24' N 33° 38' W	ATHEL SULTAN	8,882	Torpedoed, Br. tanker sailed Halifax 12/9 S.C. 100.
1655/23	58° 25' N 32° 15' W	PENMAR	5,868	Sub attack, U.S. cargo sailed Halifax 12/9 S.C. 100.

Attacks on Convoys

Convoy O.N. 127

Escorts - H.M.C.S. "ST. CROIX", "OTTAWA", "ARVIDA", "SHERBROOKE", "AMHERST" and H.M.S. "CELANDINE".

Of the ships in convoy O.N. 127 reported sunk and/or attacked in last week's report, four have now reached port. According to the latest available information, of the 33 ships in the convoy -

5 were torpedoed and sunk
1 was torpedoed, believed sunk
4 were torpedoed but arrived in port
3 are still missing

Convoy S.C. 100

Escorts - (1 DD, 1 CGC. 7 Corvettes)

U.S.S. "SPENCE", "CAMPBELL", H.M.C.S. "ROSTHERN", "TRILLIUM", "MAYFLOWER", "LUNENBURG", "WEYBURN", "BITTERSWEET", and H.M.S. "NASTURTIUM". 24 Merchant Ships.

The first loss occurred at 0445Z/16 when "EMPIRE SOLDIER" sank off St. John's, N.F., having been in collision with "F.J. WOLFE".

The first attack on the convoy took place at 1318Z/20 in position 56° 25' N., 38° 05' W., when S.S. "EMPIRE HARTEBEESTE" was torpedoed and sunk. Five U-boats were sighted on the surface between 1058Z/20 and 1331Z/20, and several counter attacks were carried out by the escorts.

Two days later a second attack resulted in the torpedoing of "ATHEL SULTAN" at 2228Z/22 and the sinking of S.S. "TENNESSEE" at 2340Z/22. A third attack took place the following day when S.S. "PENMAR" was attacked.

Air cover from Greenland and Iceland assisted the escorts in searching for U-boats, stragglers and survivors.

A U-boat was believed destroyed or badly damaged as a result of 3 counter attacks, on the 22nd of September. The escorting corvettes were successfully fuelled at sea from 2 tankers on September 17th and 18th. A heavy gale on the 21st September delayed advance of the convoy.

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Convoy S.Q. 36

S.S. "ESSEX LANCE" torpedoed off Cape Chat in convoy S.Q. 36 at 0744P/16 arrived Quebec in tow of salvage tug "LORD STRATHCONA" at 0001/23.

Convoy O.N.S. 130

At 1836Z/22 tanker S.S. "MATILDA" with convoy O.N.S. 130 reported she was attacked by a U-boat 400 miles N.E. off Newfoundland.

U-boat Sightings and Attacks

Nine sightings of U-boats in the Gulf of St. Lawrence by aircraft and A.D.C. were reported between September 16th and 21st.

At 2100Z/17, H.M.C.S. "GANANOQUE" attacked a U-boat contact in 48° 50' N., 68° 05' W. No definite results were obtained and contact was lost after the second attack.

On 21st September, H.M.C.S. "GEORGIAN" carried out three determined attacks on a U-boat in position 48° 56' N., 64° 03' W., off Cape des Rosiers. After the second attack, the U-boat rose to the surface, rolled over and appeared to sink stern first 900 yards astern of H.M.C.S. "GEORGIAN" who promptly endeavoured to ram. A huge patch of heavy oil appeared after the third attack indicating damage to the U-boat.

PACIFIC

Japanese Naval concentrations reported to be in the vicinity of the Solomon Islands during the week were:

3 Battleships
4 Cruisers
2 Aircraft Carriers
4 Aircraft Tenders

A landing strip has been completed by the U.S. on Adak Island. This will provide an advance base for attack and defence 350 miles to the West of Dutch Harbour.

Further reports of the air attacks on Kiska September 4th and 5th indicate:

4 Japanese Zero fighters shot down in flames
1 Float bi-plane
A/A positions, submarines, other vessels and camp area bombed
500 casualties among Japanese troops machine-gunned.

A force of 42 U.S. aircraft attacked Kiska on September 14th with the following results:

3 cargo vessels bombed, 11 direct hits
2 minesweepers sunk
1 4-engined bomber burned
Installations bombed with H.E. and incendiaries.

TRADE DIVISION

Atlantic Coast

Halifax 6 ships sailed September 20th

A/S Escort: H.M.S. "HESPERUS"

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H.M.S. "WHITEHALL"
"CLEMATIS"
"GENTIAN"
"LOBELIA"

British 4, Norwegian 2

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Halifax	14 ships	sailed September 19th
Sydney	10 ships	sailed September 20th
Wabana	3 ships	

A/S Escort: H.M.C.S. "ST. CROIX"
"RESTIGOUCHE"
"AMHERST"
H.M.S. "CELANDINE"
H.M.C.S. "SHERBROOKE"

British 8, Icelandic 2, Panamanian 4, U.S. 1, Dutch 3, Norwegian 6, Greek 2, Swedish 1.

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Trans-ocean Sailings - Nil

Pacific Coast - Nil

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GENERAL

The 30th Motor Launch Flotilla arrived St. John's, Newfoundland, 13th September from the U.K. and has been temporarily placed under the orders of F.O.N.F. before proceeding to Trinidad.

Commencing with convoys H.X. 208 and O.N. 129, Westomp will be moved as far to the East as practicable.

S.S. "MAKENA" with convoy S.Q. 38 was reported on fire at 0815P/21 off Gaspe as a result of an explosion in the forepeak. One of the crew was killed. The ship was brought to Gaspe with the fire under control.

A life jacket marked "HALONICA", together with small pieces of wreckage and clothing, were found on the west end of Anticosti Island near Ellis Bay on 21st September. These are the only traces of H.M.C.S. "RACCOON" recovered to date.

New Construction

The following vessels were commissioned during the week:

H.M.S. "CAILIFF"	Western Isles Trawler Sept. 17th	At Collingwood
H.M.C.S. "MILLTOWN"	Bangor Steam M/S Sept. 18th	At Port Arthur
H.M.C.S. "BROCKVILLE"	Diesel Sept. 19th	At Sorel

4. WORKS

BOOM DEFENCE

An experimental Net has been made up in Halifax for the purpose of testing the feasibility of the new .A.I. Signal System.

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At Esquimalt, the work on the board-walk and ramp at the new Boom Defence Depot is proceeding satisfactorily.

DEGAUSSING

During the week, D.G. work was carried out on 7 vessels, and 2 others were Depermed. Latest information on Deperming Units has been received from Admiralty. A priority rating AIA has been obtained for Vancouver Deperming equipment, but it is hoped to raise this to AAI.

The four 15 K.W. steam-driven generators requested for Halifax from Admiral Barry, New York, have been shipped.

TECHNICAL DIVISION

Demonstration Japanese bomb fuses have been completed in the Radio Machine Shop for use in instruction in the Bomb Disposal School, Chilliwack, B.C.

Tests have been made of Saran Tubing to determine its suitability for use on H.M.C. Ships. The tests indicate the material's unsuitability after being exposed to either high or low temperatures.

A large number of miscellaneous electric fittings for H.M.C. Ships have been shock-tested in the Electrical Engineering Laboratories.

Arrangements are going ahead satisfactorily for the procurement of all materials required to equip two Corvettes with Burr Diffusion Lighting gear.

The body-heat salt water evaporator proposed by Dr. Stedman has been thoroughly tested and discarded as impractical, but Dr. Stedman has constructed another evaporator which derives its heat from solid fuel cartridges, and on examination by the Medical Research Section, it is stated to show considerable promise.

ANTI-SUBMARINE BRANCH

Alterations in the design of the Bytown A/S Target have been made, and the model constructed for test now tows satisfactorily.

The electrical target manufactured by N.R.C. showed very definite promise during initial tests, and a service model is being completed for test under normal working conditions.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 162. Guns were mounted on 5 ships and 3 vessels are in hand for arming.

CONTRACT BUILT SHIPS

This week commissioning was recorded of two Minesweepers and one Western Isles Trawler. One minesweeper was launched and Gun Trials were carried out successfully with a Western Isles Trawler.

At the ceremony for commissioning the Minesweeper H.M.C.S. "WESTMOUNT", the Mayor, on behalf of the City of Westmount, presented articles of clothing, radios, sports

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gear, a washing-machine, and other items for the benefit of the crew of this ship. After the presentations of the gifts, the members of the City Council were asked on board to inspect the vessel.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $384,966.22.

CHIEFS OF STAFF COMMITTEE
26th September
1 9 4 2

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5. STORES

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CHIEFS OF STAFF COMMITTEE
26th September
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25.

Ottawa, 10th October, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 153

(For week ending 10th October)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	4	0	518	3,436	522	3,433
RCNR	0	43	897	4,733	895	4,774
RCNVR	14	202	3,680	35,275	3,692	35,450
GRAND TOTAL	18	245	5,095	43,444	5,109	43,657
LESS DIV. STR.			323	3,899	330	3,852
TOTAL ACTIVE SERVICE			4,772	39,545	4,779	39,805

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	3	4
Discharges (a) Med. Unfit	1	12	13
(b) Other Reasons	2	20	22
TOTAL	4	35	39

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	1	1
TOTAL	0	1	1

2. CASUALTIES

George Findlay DUNCAN, Lieutenant, D.S.C., R.C.N.V.R. Missing on Active Service, 2-3/10/42.

Ian David JOHNSTON, Ord. Smn. V36317 - died - Appendicitis - 6/10/42.

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George Anderson MORRISON, Stoker 1, V25797 - died - automobile accident 2/10/42.

Ronald David McFAULDS, Asst/Cook, V45918 - died - asphyxiation 29/9/42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	71	588	659
Other Deaths	9	66	75
TOTAL	80	654	734
Wounded or Injured	6	85	91
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Activities

There were three submarines sighted in the Gulf of St.. Lawrence during the week. D/F reports tend to confirm the presence of a U-boat in these waters all week but no attacks or sinkings occurred.

Three submarine sightings by aircraft were reported east of Cape Cod and Cape Hatteras.

The majority of sightings were in the Trinidad area where four attacks were carried out by aircraft and one by a surface vessel. One submarine was attacked by a surface vessel in the Panama area. No report of the results of these attacks has been received.

No convoys were attacked during the week, but one ship was broken in two in Convoy HX 209 on October 4th. This ship has since been sunk by escort vessels. No word has been received of the cause of this casualty.

The following figures show the areas in which ships were reported sunk during the week, with comparative figures for the preceding week:-

	Week ending October 1st	Week ending October 8th
Trinidad - Unescorted	7	8
Mid-Ocean - unescorted	1	2
Mid-Ocean - in convoy	2	-
Atlantic Coast	-	1
	10	11

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:-

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Week Ending	Cargo	Tanker	Warships	Total	Tonnage
17th Sept.	14	4	3	21	102,700
24th Sept.	11	-	1	12	41,800
1st Oct.	8	2	-	10	49,800
8th Oct.	10	1	-	11	46,800

The following list gives particulars of ships sunk about which information has been received during the past week:-

TIME	POSITION	NAME	TONNAGE	REMARKS
2352Z/12	22° 53' N 47° 12' W	PAT. J. HURLEY	10,864	Sunk, U.S. Tanker, Sailed Aruba 8/9.
0630Z/24	08° 06' N 58° 12' W	WEST CHETA	5,627	Torpedoed, Sunk, U.S. Cargo, sailed Trinidad 22/9.
2330Z/27	00° 13' N 47° 45' W	OZORIO	2,730	Torpedoed, sunk, Braz. cargo. Arrived Paraguay 29/7.
0305Z/30	07° 09' N 54° 23' W	ALIPORE	3,273	Torpedoed, sunk, Br. cargo, arrived Capetown 7/8.
0740Z/1	09° 27' N 60° 05' W	EMPIRE TENNYSON	2,873	Torpedoed, sunk, Br. cargo. Sailed Georgetown 29/9.
/1	09° 06' N 59° 48' W	ACHILLES	799	Sunk, Dutch cargo. Sailed Puerto la Cruz 2/3.
/2	08° 58' N 60° 50' W	ALCOA TRANSPORT	2,084	Torpedoed, sunk, U.S. Passenger, sailed Trinidad 1/10.
0900Z/4	08° 24' N 59° 12' W	ANEROID	2,998	Torpedoed, sunk, Pan. cargo, sailed Trinidad 24/9.
2046Z/4	08° 30' N 59° 37' W	CARIBSTAR	2,592	Torpedoed, sunk, U.S. cargo, sailed Trinidad 3/10.
/5	10° 03' N 61° 51' W	ATHEL ERAE	641	Sunk by U.S. Mine, Br. tanker, sailed Trinidad 3/10.

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TIME	POSITION	NAME	TONNAGE	REMARKS
1315Z/6	41° 30' N 125° 22' W	LARRY DOHENY	7,038	Torpedoed, sunk, U.S. tanker, sailed Los Angeles 3/10.
1142Z/7	44° 11' N 61° 57' W	MILLCREST	5,283	Rammed-sunk, Br. cargo, sailed U.K. ON 132 New York Hampton Roads.

The following ships were reported attacked during the week:-

1400/4	43° 44' N 124° 54' W	CAMDEN	6,653	Torpedoed, U.S. tanker, sailed Los Angeles 30/9 Portland, Oregon 4/10.
1408Z/7	09° 35' N 50° 17' W	CHOMEDY	6,136	Attacked, Br. Passenger, sailed Pernambuco 28/9. Trinidad 12/10.

No attacks on U-boats in the North Atlantic or Canadian Waters have been reported during the week.

PACIFIC

An aircraft reported sighting a submerged submarine in position approximately 25 miles west of Astoria Oregon on 1st October, and attacked same with 3 depth charges. The result of the attack was some oil but no debris was seen.

Three days later two ships were attacked in the same area, one of which was sunk.

U.S. "CAMDEN" Tanker	1400/4	Torpedoed - now in tow for Astoria, Washington	43° 43' N 124° 54' W
U.S. "LARRY DOHENY" Tanker	1907Z/6	Torpedoed and sunk	41° 33' N 125° 22' W

A Japanese float fighter was shot down by the R.C.A.F. in a raid on Kiska September 25th. Subsequent observation showed one transport beached and listing, and two or three submarines, one or two destroyers and one transport in the harbour. During this flight a freighter and a destroyer were bombed 60 miles north of Semichi Islands. During the period of October 1st to 3rd, U.S. aircraft attacked a small cargo ship off Agattu. No resistance or personnel were observed, and it is believed the ship was abandoned. Results of a raid on Kiska on the 30th of Sept. were three fires in the main camp and one transport left

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burning. Heavy but ineffective A/A fire was encountered on this raid. In a further raid one transport and one submarine were sunk and five float fighters were shot down. A raid on Attu village resulted in all buildings except the church being destroyed and heavy explosions heard. Recent photographic reconnaissance of Kiska shows increased defensive installations. It would appear, therefore, that the activity noted last week and which was reported as a withdrawal was more probably reinforcements. On October 4th an unknown number of Japanese planes raided the U.S. position on Adak Island but no damage was caused.

TRADE DIVISION

Atlantic Coast

Halifax	8 ships		sailed October 1st
	A/S Escort:	H.M.C.S.	"SAGUENAY"
			"SKEENA"
			"WETASKIWIN"
			"AGASSIZ"
			"GALT"

Halifax	12 ships		sailed October 6th
Sydney	9 ships		sailed October 7th
	A/S Escort:	H.M.S.	"VISCOUNT"
			"ACANTHUS"
			"POTENTILLA"
			"MONTBRETIA"
			"EGLANTINE"

British 6, Norwegian 7, Greek 6, Swedish 1, Dutch 1.

Trans-Ocean Sailings ---------- 0
Pacific Coast ---------- 0

GENERAL

A goodly portion of the electric torpedo recovered from the "OCEAN VAGABOND" which was torpedoed and towed into St. John's last week is being held in St. John's. Admiralty has been asked for permission to retain this torpedo in Stadacona for instructional purposes.

S.S. "WILLEMSPLEIN" ex convoy B.W. 6 ran aground at St. Mary's Bay, Cape English (Nfld.) on October 4th. H.M.R.T. "FRISKY" was despatched from St. John's to investigate. "FRISKY" reported ship holed badly fore, mid ships and aft and was total loss. Some valuable equipment was salved and ship abandoned.

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Fairmile patrols are established at Botwood and Lewisporte. Patrol is being maintained at Bell Island anchorage and fairmiles are covering net laying operations at Bay Bulls.

S.S. P.L.M. 27 ex convoy W.B. 5 was badly damaged by heavy weather and a number of the crew injured. P.L.M. 27 put into St. Pierre for shelter. Remainder of convoy was badly scattered.

H.M.S. "BOWELL" and "IRONBOUND" are the last two of the eight W/I Trawlers built in Canada for the Admiralty that will be lent to the R.C.N. The first six are now in commission and working up.

Four depth charges set to safe were dropped in 37 feet of water by an aircraft preparing to take off at Gaspe on October 6th, 1942. Position of these D/C's has been marked and all ships entering or leaving are warned.

S.S. "AMERICAN LEADER" is overdue at Punta Arenas since 22nd September. This ship is possibly a victim of raider "H" or raider "J".

4. WORKS

BOOM DEFENCE

At the Halifax Depot the BA.I. Signal Net was dismantled after unsuccessful experiments.

The Hurdles and Nets at Maugher's Beach (Halifax) are reported as being in good condition after having weathered two severe storms.

A permanent Fire Pump Station is being constructed on the Wharf at Sydney, N.S., whence all parts of the Depot can be reached.

During the week members of the Boom Defence Staff visited various firms in the Toronto area employed on fabrication of Boom Defence materials.

TECHNICAL DIVISION

Following recent trials of the 85' Baldwin Hydrofoil Target at Halifax, a report has been prepared showing the present status of this development.

A comprehensive investigation has been carried out to ascertain which of the low density water-resistant materials already available would make the most suitable substitute for Kapok, cork, cellular rubber and Balsa wood.

Recent tests have been made proving that the use of 85% reclaimed rubber in rubber soles does not reduce their non-skid properties on wet steel.

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DEGAUSSING

With regard to degaussing Twin Screw Corvettes in R.C.N. New Construction, it has been decided to use Admiralty specifications rather than Lloyds'.

It is expected that the question of using motor generator sets to control the degaussing coils on Naval Vessels will be regarded favourably by the majority concerned.

A proposal recommending the establishment of a D.G. Range at Esquimalt, to be used in conjunction with the proposed Acoustic Range, is being submitted to Naval Staff for approval.

NAVAL ORDNANCE

The first Q.F. 2 Pounder Guns Mk. VIII made in Canada for mounting in Corvettes and Minesweepers have been received from the Factory. A continuous supply will be forthcoming.

Semi-armour piercing shells for Q.F. 4.7 inch guns on Tribal and River Class Destroyers, made in the United States of America, are being supplied for reserve stock on R.C.N. orders. Satisfactory supply from this source is assured.

CONTRACT BUILT SHIPS

Commissioning is recorded of two Minesweepers, BYMS 11 and BYMS 6. Motor Minesweeper #103 completed LL Sea Trials, and trials are also to be carried out this week with the Steam Minesweeper - "KENTVILLE".

Two Fairmiles "Q-089" and "Q-093" were successfully launched. The Western Isles Trawler "CAILIFF" completed Gun Trials.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 110.

Six ships are in hand for arming and guns were mounted on two others.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $543,012.90.

CHIEFS OF STAFF COMMITTEE
10th October
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25.

Ottawa, 17th October, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 154

(For week ending 17th October)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	1	0	522	3,433	523	3,431
RCNR	3	82	895	4,774	897	4,849
RCNVR	1	300	3,692	35,450	3,692	35,716
TOTAL	5	382	5,109	43,657	5,112	43,996
LESS DIV. STR.					347	3,432
TOTAL ACTIVE SERVICE					4,765	40,564

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	2	3
Discharges (a) Med. Unfit	0	15	15
(b) Other Reasons	1	26	27
TOTAL	2	43	45

(c) Transfers:

Officers	Ratings	TOTAL

- N I L -

2. CASUALTIES

Joseph Canon DWYER, Lieutenant, R.C.N.V.R. (Temp.), reported missing presumed killed.

Supply P.O. Francis Owen CORRIGAN, 40595, missing, presumed killed.

Ldg. Smn. James Ernest LEY, V7625, missing, presumed killed.

Able Smn. Samuel C. CANNING, V22403, suffered injury to right eye.

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TOTAL	2	43	45

(c) Transfers:

Officers	Ratings	TOTAL
- NIL -		

2. CASUALTIES

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TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	72	590	662
Other Deaths	9	66	75
T O T A L	81	656	737
Wounded or Injured	6	86	92
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Activities

Only two U-boats were sighted in the Gulf of St. Lawrence this week, one in Bay of Chaleur and one near St. Pierre. H.M.C.S. "GRANDMERE", "Q.062" and "VISON" each carried out an attack in general area of Cabot Strait. H.M.C.S. "GANANOQUE" carried out an attack off Metis, P.Q. This would indicate the presence of two U-boats in the Gulf during the week. Three ships were sunk,. one off Metis, P.Q. and two in Cabot Strait.

Two U-boats were sighted by aircraft in the area of Belle Island and one south east of Halifax.

In the southern areas sightings of U-boats were as follows:

1 Cape Hatteras
2 Florida
2 Cuba
5 Trinidad

Attacks on U-boats were made as follows:

Four in Gulf of St. Lawrence (Para. 1)
One off Saint John, N.B.
One off Portland, Me.
One off Cuba
Four in Trinidad area.

Two convoys were attacked in mid-ocean and five ships were sunk. Four ships were sunk in the Trinidad area during the week.

The following figures show the areas in which ships were reported sunk during the week, with comparative figures for the preceding week:

	Week Ending October 8th	Week Ending October 15th
Trinidad - unescorted	8	4
Mid-ocean - unescorted	2	-
Mid-ocean - in convoy	-	5
Atlantic Coast	1	3
	11	12

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The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:-

Week Ending	Cargo	Tanker	Warships	Total	Tonnage
24th Sept.	11	-	1	12	41,800
1st Oct.	8	2	-	10	49,800
8th Oct.	10	1	-	11	46,800
15th Oct.	11	1	-	12	56,000

The following list gives particulars of ships sunk, about which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
28/9	12° 37' N 56° 10' W	REGISTAN	5,886	Torpedoed, sunk, Br. tanker, sailed Capetown 20/6.
28/9	06° 17' N 52° 55' W	ANTONICO	1,223	Shelled, sunk, Braz. cargo.
5/10	08° 35' N 59° 20' W	WM. A. MCKENNEY	6,153	Torpedoed, sunk, U.S. cargo, sailed Georgetown 4/10.
2230Z/6	10° 12' N 50° 35' W	JOHN CARTER ROSE	7,100	Torpedoed, sunk, U.S. cargo, sailed Trinidad 3/10 Georgetown.
0420Z/9	48° 47' N 68° 10' W	CAROLUS	2,245	Torpedoed, sunk, Br. cargo, sailed Goose Bay 1/10.
1356Z/11	47° 07' N 59° 04' W	WATERTON	2,155	Torpedoed, sunk, Br. cargo, in convoy B.S. 31.
0500Z/13	53° 05' N 44° 05' W	FAGERSTEN	2,342	Torpedoed, sunk, Nor. cargo, sailed New York, 3/10 G.C. 104.
0500Z/13	53° 05' N 44° 06' W	ASHWORTH	5,227	Torpedoed, sunk, Br. cargo, sailed Halifax 6/10 H.S.C. 104.
13/10	54° 25' N 27° 42' W	STORNEST	4,265	Torpedoed, sunk, Br. cargo, sailed U.K. O.N.S. 136 Boston.

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0500Z/13	53° 05' N 44° 06' W	ASHWORTH	5,227	Torpedoed, sunk, Br. cargo, sailed Halifax 6/10 H.S.C. 104.
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TIME	POSITION	NAME	TONS	REMARKS
0625/14	47° 19' N 59° 29' W	CARIBOU	2,222	Torpedoed, sunk, Br. Pass. sailed Sydney 11/10 Port aux Basques.
2200Z/13	53° 36' N 40° 40' W	SOUTHERN EMPRESS	12,398	Torpedoed, sunk, Br. cargo, sailed New York 3/10 S.C. 104.
2200Z/13	53° 36' N 40° 40' W	NELLIE	4,826	Torpedoed, sunk, Gr. cargo, sailed Sydney 7/10 S.C. 104.

The following ship was reported attacked during the week:

1900Z/9	PENNINGTON COURT	Attacked	Br. cargo in Convoy S.C.103.

PACIFIC

Two U-boats were sighted on the west coast, one off San Mateo Point (Los Angeles) and one off southern Oregon coast.

The only ship sunk was the S.S. "CAMDEN" (U.S. Tanker) which caught fire and sank at 0635 10th October. "CAMDEN" was in tow for Astoria at the time after having been torpedoed on 4th October.

S.S. "VICTOR H. KELLY" was unsuccessfully attacked off the coast of northern California at 0828Z/10.

ALEUTIANS

What has previously been reported as a landing strip at Kiska, has now been identified as a U-boat repair base nearing completion. Attacks on Kiska on October 6th and 8th resulted in fires in the main camp area. Five enemy planes have been destroyed during the week. The latest photographs of Kiska disclose an expansion of underground supply storage, semi-permanent buildings and heavy sand bag revetments. It appears that the fortifications from Attu Island have been installed in Gertrude Cove on southern Kiska. This is believed to indicate Japanese intention to hold Kiska.

TRADE DIVISION

Atlantic Coast

Halifax 6 ships Sailed October 10th

A/S Escort: HMCS "CHAMBLY"
"DAUPHIN"
"BATTLEFORD"
"CHILLIWACK"
"EYEBRIGHT"

British 4, Norwegian 1, U.S. 1

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Trans-Ocean Sailings ---------- 1

Pacific Coast ---------- 0

GENERAL

MMS 103 was in collision with MMS 102 on October 10th; damage is believed slight.

The light-house keeper at Little Metis reported being shelled. This has been accounted for by the attack on Convoy L.N. 9, during which numerous star shells were fired.

The body of Lt. R.H. McConnell, R.C.N.V.R. (H.M.C.S. "RACCOON") has been recovered and buried at sea with full honours. Part of the bridge of the "RACCOON" has been found and a motor boat believed to belong to the "RACCOON" is reported at Thunder River.

S.S. "CARIBOU" escorted by "GRANDMERE" was torpedoed and sunk on October 14th in Cabot Strait; 134 lives were lost and 101 persons rescued (two died on rescue ship). There were 57 Service and 79 Civilian and crew casualties.

H.M.C.S. "GRANDMERE" sighted the U-boat and endeavoured unsuccessfully to ram. Depth charges were dropped by eye but no A/S contact was obtained.

H.M.C.S. "TIMMINS", "QUESNEL", "DUNDAS", "EDMUNDSTON", and "NEW WESTMINSTER" arrived in Halifax on 14th October and were transferred to Western Local Escort Force.

H.M.S. "ANTICOSTI" (Western Isles Trawler) has been transferred from new construction to Saint John, N.B. Force.

NEW CONSTRUCTION

H.M.C.S. "KENTVILLE" (Bangor M/S) was commissioned on October 10th at Port Arthur, Ontario.

4. WORKS

BOOM DEFENCE

At Sydney, five hundred feet of the A/T Net was cleared of sea growth by playing streams of water on the Net while it was being held up by the Derrick Scow.

Recommendation has been received that the installation of Flood Lighting be carried out on Sydney Wharf to facilitate weighing of the Nets in the Fall.

Construction of Wharf and Garage for Tractor is well under way at Esquimalt.

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DEGAUSSING

All the degaussing cable necessary for fitting nine 4,700 ton Cargo Vessels has been shipped.

A recommendation to establish a Degaussing Range at Esquimalt has been deferred for the present and is being included in the 1943/44 estimates.

Consideration is being given to establishing direct liaison with the Admiralty for D.G. work, the Officer being appointed to be responsible also for the maintenance of degaussing equipment on R.C.N. vessels based at Londonderry.

It is interesting to note that changing degaussing specifications on New Construction Cargo Vessels, affecting two hundred ships, resulted in saving sufficient steel to build the hull of a Corvette and sufficient rubber to supply tires for a fleet of five thousand cars. Admiralty and the U.S. Maritime Commission may effect a similar change in specifications.

ANTI-SUBMARINE BRANCH

During an extensive tour of U.S.N. Establishments, the D. A/S visited the Training Establishments at Fisher's Island, New London, the N.D.R.C. Laboratory at New London, the Sub Chaser School at Miami and the Fleet Sound School at Key West. A survey of U.S.N. A/S training facilities and methods was made.

A plan of organization has been agreed upon with D/C.N.P. for the purpose of taking charge of laying and maintaining fixed defences.

CONTRACT BUILT SHIPS

Commissioning was recorded of two Minesweepers and of an Aircraft Carrier, H.M.S. "ATTACKER".

Two other Minesweepers were accepted, 4 Fairmiles were launched, and Trials were carried out with the Western Isles Trawler, H.M.S. "MANITOULIN".

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 83.

Eight ships are in hand for arming and this work has been completed on 3 other ships.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $611,884.85.

CHIEFS OF STAFF COMMITTEE
17th October
1 9 4 2

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25.

Ottawa, 24th October, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 155

(For week ending 24th October)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	6	0	523	3,431	526	3,427
RCNR	1	47	897	4,849	895	4,885
RCNVR	20	202	3,692	35,716	3,711	35,867
T O T A L	27	249	5,112	43,996	5,132	44,179
LESS DIV. STR.			347	3,432	353	3,493
TOTAL ACTIVE SERVICE			4,765	40,564	4,779	40,686

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	9	10
Discharges (a) Med. Unfit	2	37	39
(b) Other Reasons	4	20	24
T O T A L	7	66	73

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	2	2
To RCNR from RCNVR	0	0	0
T O T A L	0	2	2

2. CASUALTIES

Nursing Sister Agnes W. WILKIE - Missing - S.S. CARIBOU.

Able Smn. John TAPPER, A1075 - Missing - S.S. CARIBOU.

Able Smn. Richard J. SKINNER, A744 - Missing - S.S. CARIBOU.

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A/Sto. P.O. (Ty.) George E. MAY, A2012 - Missing - S.S. CARIBOU.

A/Shpwt. 4/C George Wm. RENDALL, V39429, Missing - S.S. CARIBOU.

P.O. Cook (O) Albert Walter MARSHALL, 40581 - Missing - S.S. CARIBOU.

Ord. Smn. James R. MASSON, V31106 - Missing - S.S. CARIBOU.

Ord. Smn. Wm. Allan GLASGOW, V31306 - Died of Wounds - S.S. CARIBOU.

Able Smn. Gordon D. CARTWRIGHT, V24087 - Drowned.

Stoker 1 John R. MacNEIL, A2447 - Drowned.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	73	598	671
Other Deaths	9	66	75
T O T A L	82	664	746
Wounded or Injured	6	86	92
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Activities

Sightings for the week were as follows:

Conception Bay (Nfld.)	1
Cabot Strait	5
Gulf of St. Lawrence (Anticosti Island	1
Bay of Fundy	1
Belle Isle	1
U.S. Atlantic Coast	4
Trinidad Area	10

An attack was made on a submerged contact by H.M.C.S. "BROCKVILLE" off Matane, P.Q. with unknown results.

H.M.S. "VISCOUNT" and "FAME" rammed and sank one U-boat each while escorting convoy S.C. 104. Both ships suffered considerable damage. Survivors were picked up from both U-boats. H.M.S. "POTENTILLA" attacked a U-boat with gunfire and D/C's while in convoy S.C. 104 resulting in a large patch of oil. The U-boat is believed damaged.

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H.M.S. "CELANDINE" attacked a U-boat with a 50-foot pattern; attack is believed successful. "CELANDINE" was escorting Convoy O.N. 137.

Aircraft made one attack in vicinity of Virgin Rocks, three in mid-ocean south of Iceland and three in the Trinidad area. No results of these attacks are known.

Two ocean and one coastal convoy were attacked during the week. In convoy S.C. 104 four ships were sunk and one missing. In O.N. 137 a ship was hit by a dud torpedo with no apparent damage, and one ship was sunk. Convoy BW 9 was unsuccessfully attacked, two torpedoes missing S.S. "ROSE CASTLE".

The following figures show the areas in which ships were reported sunk during the week, with comparative figures for the preceding week:

	Week Ending October 15th	Week Ending October 22nd
Trinidad - unescorted	4	3
Mid-Ocean - unescorted	-	-
Mid-Ocean - in convoy	5	6
Atlantic Coast	3	-
	12	9

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
1st Oct.	8	2	-	10	49,800
8th Oct.	10	1	-	11	46,800
15th Oct.	11	1	-	12	56,000
22nd Oct.	9	-	-	9	47,400

The following list gives particulars of ships sunk, about which information has been received during the past week:

TIME	POSITION	NAME	TONS	REMARKS
2400Z/7	10° 15' N 45° 50' W	FLENSBURG	6,421	Torpedoed, sunk, Dutch cargo, sailed Durban 8/9 Trinidad.
/12	05° 21' N 52° 14' W	STEEL SCIENTIST	6,688	Torpedoed, sunk, U.S. cargo, arrived Suez 14/8.
/14	53° 40' N 41° 23' W	EMPIRE MERSEY	5,791	Torpedoed, sunk, Br. cargo, sailed New York 3/10 S.C. 104.
/14	53° 40' N 41° 23' W	SUSANA	5,929	Torpedoed, sunk, U.S. cargo, sailed New York 3/10 S.C. 104.

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TIME	POSITION	NAME	TONS	REMARKS
/14	53° 40' N 41° 23' W	SOULIOTIS	4,299	Torpedoed, sunk, Gr. cargo, sailed Sydney 7/10 S.C. 104.
/14	53° 40' N 41° 23' W	NIKOLINA MATKOVIC	3,898	Torpedoed, sunk, Y.S. cargo, sailed New York 3/10 S.C. 104.
/16	Off Trinidad	CASTLE HARBOUR	730	Torpedoed, sunk, Br. cargo last movement arrived Trinidad 12/10.
/18	49° 39' N 30° 20' W	ANGELINA	4,772	Torpedoed, sunk, U.S. cargo, sailed U.K. O.N. 137 New York.
1725Z/9	58° 18' N 27° 55' W	PENNINGTON COURT	6,098	Br. cargo, sailed Halifax. H.S.C. 103 for Glasgow.

The following ships were reported attacked during the week:

/17	WINONA	(Torpedoed (reached Trinidad)	U.S. cargo. Sailed Trinidad for Rio 16/10.
1120Z/19	STEEL NAVIGATOR	Attacked	U.S. cargo Mid-ocean ex O.N. 137 straggler.
0729Z/20	ROSE CASTLE	Attacked (Torpedoes missed)	in B.W. 9 Sydney to Wabana.

PACIFIC

An unconfirmed report states that the lighthouse keeper at Nootka sighted a U-boat westbound on October 15th. On the same day a U-boat was reported 60 miles south west of Sitka.

ALEUTIANS

Japanese shipping to Kiska appears to be following the route of Russian shipping from Petropavlosk. The enemy camp on Kiska has been attacked with success throughout the period 9th to 15th October. A Japanese "Q" ship of 2,000 tons was attacked by aircraft 40 miles west of Kiska but no hits were scored. The "Q" ship later attacked a U.S. surface vessel and submarine with torpedoes and gunfire but did not hit either vessel. Submerged torpedo tubes were used by the "Q" ship. A small cargo ship was attacked in Kiska Harbour on the 9th; it was observed on fire.

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On the 15th October a Jap cargo ship in Gertrude Cove was hit directly with a 300 pound bomb and ship was observed to be still smoking 3 hours later. One U.S. aircraft was shot down during this attack. Also on this date six B 26's attacked two Jap destroyers of the Hibiki class 20 miles north-east of Kiska. Three hits are believed to have sunk one and the other was crippled by a hit on the stern. A U.S. submarine was despatched to aid total destruction. Observation on October 14th showed two sunken ships in Kiska harbour and two beached. One of the beached ships has masts only showing and the other has been stripped.

TRADE DIVISION

Atlantic Coast

Halifax	6 ships	Sailed October 19th	
	A/S Escort:	HMS "HARVESTER"	HMS "ACONITE"
		"GARLAND"	"RENONCULE"
		"ORCHIS"	HMCS "CAMROSE"
		"NARCISSUS"	"CALGARY"
		"LOBELIA"	"KITCHENER"

British 4, Norwegian 2

Halifax	7 ships	Sailed October 20th	
	A/S Escort:	USS "CAMPBELL"	
		"BADGER"	
		HMCS "ROSTHERN"	
		"ALBERNI"	
		"SUMMERSIDE"	
		"VILLE DE QUEBEC"	
		HMS "TRILLIUM"	

British 4, Swedish 1, Norwegian 1, U.S. 1

Trans-Ocean Sailings ---------- 1

Pacific Coast ---------- 0

GENERAL

It is proposed by Admiralty that HMS "ITCHEN" and "LAGAN" (Twin Screw Corvettes) be loaned to the R.C.N. until the spring of 1943. These two ships are due to commission in October and December 1942.

H.M.C.S. "Q.089" was commissioned at Toronto on the 15th of October. H.M.S. "BOWELL" and "IRONBOUND" (Western Isles Trawlers) were also commissioned in Toronto on the 17th of October.

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H.M.C.S. "DRUMMONDVILLE" was attacked by a U.S. "Fortress" aircraft in the Cabot Strait on the night of October 18th. The pilot of the plane identified "DRUMMONDVILLE" just before the depth charges were released; he turned the plane to avoid hitting the ship with the depth charges. No damage was done to "DRUMMONDVILLE".

The U.S. "POLARIS" sank in Davis Strait from an internal explosion. Her cargo contained a quantity of aviation gasoline.

S.S. "BRITISH HONOUR" and S.S. "BRITISH PRESTIGE" were in collision in convoy O.N. 135. Both ships arrived Halifax P.M. 18th October.

S.S. "MATTHEW LUCKENBACK" was in collision with S.S. "ZACAPA" in convoy H.X. 212. The former is being towed to Halifax by the tug "FOUNDATION FRANKLIN".

4. WORKS

BOOM DEFENCE

On instructions from the X.D.O., the system of opening the A/S and A/T Gate at Sydney has been changed so that each opens independently of the other.

Laying of A/T Nets at Bay Bulls, Nfld., has been completed.

At Prince Rupert it is proposed to service the whole line of Nets on the main A/S Boom as soon as possible, as they are in poor condition, due largely to the unusual handling they received while being transported ready-made from Esquimalt.

New materials for installations approved by the Naval Staff are now coming through fairly rapidly from the Contractors.

TECHNICAL DIVISION

A visit was made recently to Washington by two members of the Staff to investigate the present stage of development of the U.S. Minesweeping gear and to ascertain the possibility of obtaining "LL" equipment manufactured in the United States for the ten Algerine Minesweepers.

Of the large number of buoyant packing materials known and available to some extent, Cuprene has been selected following extensive tests, as the most satisfactory material. A life jacket has been made up employing this substance, and has been sent to Captain "D", Halifax, for wearing trials under service conditions.

A trial order is to be placed with the Canada Wire and Cable Company for the supply of trial quantities of several pattern numbers of cable types used in H.M.C. Ships, made up using Koroseal 2046 as a substitute for the usual rubber insulant.

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A complete analysis has been made of foreign matter removed from the lubricating oil and propeller shaft thrust bearing of one of H.M.C. destroyers.

ANTI-SUBMARINE BRANCH

Commander Peers visited N.S.H.Q. in connection with a proposed plan to arm and equip sailing vessels to act as an A/S striking force. Detail consideration was given to this project preliminary to its presentation to Staff.

NAVAL ORDNANCE

Depth Charges Mk. X (200 lbs.) for use on Town Class Destroyers have been supplied to Halifax and Newfoundland, and will be available for use as soon as the fittings for discharge from Torpedo Tubes have been installed.

The first supplies of Sten Carbines consisting of 150 in number have been made to Halifax from Canadian production.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 73, with arming etc., being completed on 6 ships.

CHIEFS OF STAFF COMMITTEE
24th October
1 9 4 2

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SECRET

C179965 COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 25.

Ottawa, 31st October, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 156

(For week ending 31st October)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted		Previous Totals		TOTALS	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	5	0	526	3,427	530	3,423
RCNR	1	58	895	4,885	895	4,935
RCNVR	65	305	3,711	35,867	3,776	36,101
T O T A L	71	363	5,132	44,179	5,201	44,459
LESS DIV. STR.			353	3,493	312	3,542
TOTAL ACTIVE SERVICE			4,779	40,686	4,889	40,917

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	1	4	5
Discharges (a) Med. Unfit	0	11	11
(b) Other Reasons	1	68	69
T O T A L	2	83	85

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	1	1
T O T A L	0	2	2

2. CASUALTIES

Reginald U. LANGSTON, Lieut. Cmdr. R.N.R., Retired, died result of operation.

Ernest E. LEFEBVRE, Able Smn., A2661 - Drowned.

A/Sto. P.O. John A. GRANT, A1871 - Died - result of injuries - H.M.C.S. "CHARLOTTETOWN".

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James P. McGRATTON, Convoy Sig., V2349 - Died on Active Service.

Frank HINCHCLIFFE, Convoy Sig., V8495 - Died on Active Service.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	74	602	675
Other Deaths	9	66	75
TOTAL	83	668	750
Wounded or Injured	6	86	92
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Sightings

Sightings of U-boats for the week were as follows:

Gulf of St. Lawrence

Shore watchers sighted two U-boats, one in St. George's Bay (Nfld. West Coast) on 23rd October and one off Fame Pt. on 25th October. A coastal freighter sighted one on the surface in Northumberland Strait between East Point and Cape George on 25th October.

Cabot Straits

Two U-boats were sighted in the Straits, one steering east on 22nd October and one south of St. Pierre on 24th October.

Newfoundland (East Coast)

Two U-boats were reported in this area, both on the 25th October, in the vicinity of Botwood.

U.S. Atlantic Coast

One U-boat was sighted off Cape May (N.J.) on 23rd October.

Caribbean

There were three sightings of U-boats in this area, two east of Bahamas, and one off Tampico.

Mid-Ocean

Aircraft sighted 4 U-boats in mid-ocean, three south of Iceland and one north of Bermuda.

Trinidad Area

There were 5 sightings in the Trinidad area.

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Attacks on U-boats

The following attacks were carried out against U-boats during the week:

Newfoundland

A good attack was made by an aircraft in the vicinity of Virgin Rocks (off Cape Race) on the 24th October. No results were observed.

U.S. Atlantic Coast

A U.S. Navy plane attacked a U-boat off Cape Hatteras on October 27th.

Mid-Ocean

HMS "GENTIAN", while escorting convoy ON 138, attacked a U-boat ahead of the convoy on October 24th. Contact was not regained after attack; results unknown.

Caribbean

H.M.C.S. "HALIFAX" carried out an attack off Guantanamo on October 20th with unknown results. A Mexican army plane made an attack off Tampico on October 22nd.

Trinidad Area

One plane made an attack on October 20th; no results.

Attacks on Convoys

Convoy HX 212

This convoy was attacked by one, possibly two, U-boats at 2108Z/27. One U-boat was sighted on the surface after this attack. The result of this attack was SS "SURABAYA" and SS "GURNEYE NEWLIN" torpedoed with approximately 62 survivors in H.M.C.S. "VILLE DE QUEBEC" and 39 in H.M.C.S. "ALBERNI".

A second attack was made by one U-boat at 0345Z/28 and SS "BIC ISLAND" was torpedoed on her starboard side. About 50 of the crew are remaining aboard the ship endeavouring to get her under way. H.M.C.S. "ROSTHERN" and USS "BADGER" are standing by.

Convoy ON 139

S.S. "DONAX" was attacked and torpedoed on October 22 in convoy ON 139. Tugs were despatched from U.K. and were expected to arrive in position of ship on October 28th. The crew abandoned the ship and some were picked up by H.M.C.S. "DRUMHELLER". No further word has been received.

Weekly Comparison

The following figures show the areas in which ships were reported sunk during the week with comparative figures for the preceding week.

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	Week Ending October 22nd	Week Ending October 29th
Trinidad - unescorted	3	-
Mid-ocean - unescorted	-	5
Mid-ocean - in convoy	6	5
Atlantic Coast	-	-
	9	10

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
8th October	10	1	-	11	46,800
15th October	11	1	-	12	56,000
22nd October	9	-	-	9	47,400
29th October	7	3	-	10	82,700

Sinkings

The list gives particulars of ships sunk, about which information has been received during the past week:-

TIME	POSITION	NAME	TONS	REMARKS
Sept/17	18° 45' N 29° 15' W	PETERTON	5,221	Torpedoed, sunk, Br. Tramp, sailed Takorida 23/6 Freetown.
Oct/5	25° 30' N 52° 00' W	TRAFALGAR	5,542	Nor. Cargo, sailed Buenos Aires 1/10 New York. Torpedoed, sunk.
/14	53° 40' N 41° 23' W	SENTA	3,785	Nor. Cargo, sailed Halifax 6/10 SC 104. Torpedoed, sunk.
1030/19	22° 34' N 54° 34' W	ROTHELEY	4,996	Torpedoed, sunk, Br. cargo, sailed Durban 25/9 Trinidad.
2011Z/22	49° 30' N 26° 30' W	WINNIPEG II	8,379	Torpedoed, sunk, Br., sailed U.K. ON 139 Saint John, N.B.
1713/23	48° 14' N 26° 22' W	EMPIRE STAR	12,656	Torpedoed, sunk, Br. cargo, sailed Christobal, 28/8 Clyde.
/23	14° 33' N 54° 58' W	REUBEN TIPTON	6,829	Torpedoed, sunk, U.S. cargo, sailed Capetown 19/7 Basra.
0345Z/28	50° 35' N 31° 05' W	SOURABAYA	10,107	Torpedoed, sunk, Br. tanker, sailed New York 18/10 HX 212 Clyde.

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TIME	POSITION	NAME	TONS	REMARKS
0345Z/28	53° 35' N 31° 05' W	GURNEYE NEWLIN	8,225	Torpedoed, sunk, U.S. Tanker, sailed New York, 18/10 HX 212 Mersey.
0345Z/28	53° 35' N 31° 05' W	KOSMOS	16,966	Torpedoed, sunk, Nor. tanker, sailed N.Y. 20/10 HX 212 Clyde.

PACIFIC

U-boat Sightings

A U.S. fish packer reported sighting a U-boat 3 miles S.E. of Race Rocks at 0100 P.D.S.T./21. Three R.C.N. ships patrolled Race Rocks to Trial Island with negative results.

A U.S. fishing vessel sighted a U-boat off Sydney Inlet (West Coast of Vancouver Island) October 27th.

Attacks on U-boats

A "SHARK" aircraft while on a navigational flight from Prince Rupert on 27th October attacked a U-boat in the north end of Hecate Straits. The plane attacked as the U-boat crash dived and dropped one 250 pound depth charge ahead of the swirl. A second depth charge "hung up" in the rack. No results were observed and an A/S sweep by H.M.C.S. "CARAQUET" and "OUTARDE" proved negative.

Sinkings and Attacks

U.S.S. "KENDRICK" (Army Transport) was attacked by a U-boat approximately 100 miles southwest of Tatoosh Island on October 29th. Two torpedoes were seen to miss. No hits.

Aleutians

Attack on Destroyers

The following is a description of the bombing attack on two Jap destroyers off Kiska Island. The ships were first sighted by a "CATALINA" flying boat which summoned six B 26's, one of which did not participate due to engine trouble. The remaining five on October 17th at 0245 dropped 23 only 100 pound bombs at an altitude below mast level. One destroyer was hit 5 times including one abaft the funnel causing internal explosions and throwing wreckage high in the air. The other destroyer was hit once on the stern and exploded after the attack was completed. The attack lasted 45 minutes after which the first destroyer was on fire with intermittent explosions. The second destroyer had smoke pouring from her damaged stern. Many dead Japanese were reported in the water. One U.S. plane was lost during the attack. These destroyers were of similar class, having a single heavy statue and forward clutter and were camouflaged with black and white diagonals. A reconnaissance on October 18th showed no sign of either ship.

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Kiska

A raid on Kiska camp on October 18th resulted in 24 hits on the camp with 500 pound bombs. One heavy detonation occurred on the sand spit in Trout Lagoon. It is thought this was a gasoline dump. Reconnaissance of Semichi, Agattu, Attu, Buldir, Seguna and Amchitka Islands was negative.

TRADE DIVISION

Atlantic Coast

Halifax 13 ships Sailed October 27th

A/S Escort: Not received

British 6, Norwegian 3, Greek 3, Dutch 1

Halifax 8 ships Sailed October 28th

A/S Escort: HMS "HESPERUS"
"WHITEHALL"
"VANESSA"
"GENTIAN"
"CLEMATIS"
"HEATHER"

British 5, Dutch 2, U.S. 1

Trans-Ocean Sailings ---------- 0
Pacific Coast ---------- 0

GENERAL

S.S. "CANACTO"

The SS "CANACTO" reported grounded in the vicinity of Goose Bay has sunk. The SS "ERNEST LAPOINTE" searched the area and reported no reef or shoal. Master of SS "CANACTO" suspects internal explosion.

HMCS Q083

HMCS Q083 grounded off Cape Gaspe on October 23rd and was refloated and towed to Gaspe P.M. October 24th. Screws and rudder were badly damaged but hull damage was thought to be light.

H.M.S. "FAME"

The U-boat sunk by H.M.S. "FAME" on 16th October has been identified as U-353 commanded by Oberleutnant Wolfgang Romer and is 500 tons type 7 C.

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SS "SOULIOTIS"

The SS "SOULIOTIS", reported sunk in Convoy SC 104 on October 16th, has arrived in the U.K. undamaged.

Storing of U-boats

A report has been received that inhabitants of Petites Harbour (near Port Aux Basques) suspect U-boats are contacting a motor vessel from St. Pierre, in Petites Harbour. A ship was despatched to investigate. No further word has been received.

Commissionings

H.M.C.S. "Q086" was commissioned on October 26th at Toronto. H.M.S. "CAMPOBELLO" and "PROCHER" (Western Isles Trawlers) were commissioned on 24th October and 23rd October at Collingwood and Midland respectively.

Western Isles Trawlers

The 8 Western Isles Trawlers allocated to the R.C.N. are: "ANTICOSTI", "BAFFIN", "CAILIFF", "BOWELL", "MAGDALEN", "MANITOULIN", "LISCOMB" and "IRONBOUND".

Fairmiles

Imperial Fairmiles ML 394 and 395 have been accepted by the U.S.N. and commissioned as U.S.S. - S.C. 1470 and 1671 on October 24th.

Fuelling U-boats

A suspicious tanker flying the Spanish flag with a possible U-boat alongside was sighted 500 miles NE of Trinidad on October 22nd.

SS "DONACONNA NO. 1"

The motor barge "DONACONNA NO. 1" foundered with a load of pulp between St. Jean Port Joli and St. Roche in the south channel of the river.

SS "JOSEPH STALIN"

The USSR Icebreaker "JOSEPH STALIN" is due in Seattle on November 1st for overhaul.

Air Escort

Commencing October 29th regular air outer anti-submarine patrols for convoys will be discontinued and air sweeps instituted instead. Sweeps will be concentrated at dawn and dusk, taking in an area about 100 miles wide. Regular convoy escorts will be given convoys in the River, Gulf of St. Lawrence, Bay of Fundy and Cabot Straits. Convoy escort will be given to convoys known to be shadowed by U-boats or when requested by the R.C.N.

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HALIFAX aircraft, painted night bomber camouflage black under and dark mottled upper surfaces, are now employed on convoy escort and A/S duty.

4. WORKS

BOOM DEFENCE

At Halifax preparations have been made for laying Moorings for A.N.D. Scows.

A 300 ft. section of A/S Net, 28'3" in depth has been constructed for installation in the extension to the A/S Boom at Sydney, N.S.

The matter of Air Whistles on Gate Vessels being heard with difficulty from outbound vessels, because of the greater volume of sound being thrown to seaward, is being investigated.

Laying of Moorings at St. John's Harbour, Nfld., was completed during the week.

DEGAUSSING

During the past two weeks D.G. work has been carried out on 57 ships, and 9 others have been Depermed.

The low voltage Degaussing installation on H.M.C.S. "ASSINIBOINE" is being redesigned by the National Research Council, Halifax.

Two copies of specifications for degaussing New Construction Cargo Vessels have been forwarded to Admiral Barry, New York, for his information and, if he desires, for transmission to Admiralty.

Shipments of compass Corrector equipment, being supplied by New York, have commenced.

CONTRACT BUILT SHIPS

The following information regarding New Construction Ships is reported:

Three Western Isles Trawlers, four Fairmiles, three Minesweepers, and four large Infantry Landing Craft were commissioned during the past two weeks.

In addition, seven other ships were launched or completed various trials.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week number 85, with arming, gunmounting, etc., being carried out on 9 others.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $1,000,827.11.

CHIEFS OF STAFF COMMITTEE
31st October
1942

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 26.
Ottawa, 7th November, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 157

(For week ending 7th November)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlisted During week ended 5th November		Total Strength as of 5th November	
	Officers	Ratings	Officers	Ratings
RCN	0	0	530	3,422
RCNR	3	13	898	4,944
RCNVR	99	204	3,872	36,257
TOTAL	102	217	5,300	44,623
LESS DIV. STR.			377	3,311
TOTAL ACTIVE SERVICE			4,923	41,312
Strength of W.R.C.N.S.			26	143
			4,949	41,455

Total Enlistments from 1st Sept. 1939 to 5th Nov. 1942.

YEAR	OFFICERS	RATINGS	TOTAL
1939	425	2,322	2,747
1940	1,076	9,850	10,926
1941	1,692	12,666	14,358
1942 to date	1,850	20,540	22,390
TOTAL	4,043	45,378	49,421

Strength as of 31st August, 1939.

	Officers	Ratings	TOTAL
RCN	145	1,748	1,893
RCNR (Incl. F.R.)	106	350	456
RCNVR	116	1,457	1,573
TOTAL	367	3,555	3,922

Ratings promoted to Warrant and Commissioned Rank to 5th Nov., 1942.

	To Warrant Officer	To Commissioned Warrant Officer	To Commissioned Rank	TOTAL
RCN	126	-	2	128
RCNR	167	5	12	184
RCNVR	33	-	456	489
TOTAL	326	5	470	801

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(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	0	0
Discharges (a) Med. Unfit	0	15	15
(b) Other Reasons	3	38	41
TOTAL	3	53	56

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	1	1
To RCNR from RCNVR	0	0	0
TOTAL	0	1	1

2. CASUALTIES

- N I L -

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	74	602	676
Other Deaths	9	66	75
TOTAL	83	668	751
Wounded or Injured	6	86	92
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Sightings

Gulf of St. Lawrence

There was a possible U-boat report by a shore watcher near Cornerbrook, Nfld. This was the only sighting in the Gulf during the week.

Cabot Straits

There were five sightings in the Cabot Straits during the week, four south of Cape Ray and one south of St. Pierre.

U.S. Atlantic Coast

Two U-boats were sighted in this area, one off Florida, and one off Savannah, Georgia.

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Caribbean

U-boats were sighted in this area as follows:

3 vicinity Guantanamo
2 vicinity Panama Canal
1 vicinity Puerto Rico
1 south of Pensacola
7

Mid-Ocean

7 U-boats were sighted in mid-ocean by aircraft and 6 by ships.

Trinidad

Seven sightings are reported in this area.

Attacks on U-boats

Cabot Straits

H.M.C.S. "VISON" carried out an attack on a doubtful contact in Cabot Straits at 1135Z/1 with no results.

Newfoundland

Aircraft attacked 4 U-boats off Nfld. Two were east of St. John's, one east of Belle Isle, and one south east of Cape Ray. All four attacks were very promising.

Caribbean

One U-boat was attacked in the vicinity of St. Thomas but no particulars have been received.

Mid-Ocean

An aircraft made one attack on a U-boat in mid-ocean. No results. H.M.C.S. "RESTIGOUCHE" attacked a U-boat while escorting Convoy SC 107 but no results have been received.

Attacks on Convoys

Convoy HX 212

Two attacks were reported on this convoy last week with 3 ships torpedoed. A third attack was made at 0420Z/29 and three ships were torpedoed as follows: S.S. "PAN NEW YORK", S.S. "GDYNIA" and S.S. "BIC ISLAND". The S.S. "KOSMOS" was torpedoed previously and was reported as the S.S. "BIC ISLAND". This brings the total ships torpedoed in the convoy to six.

Convoy SC 107

The first attack on this convoy occurred 50 miles S.E. of Cape Race at 1505Z/30, when H.M.C.S. "COLUMBIA" sighted a U-boat on the surface. "COLUMBIA" attacked and felt two

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under-water explosions on first closing the position where U-boat submerged. No ships were torpedoed. At 0034Z/2 S.S. "EMPIRE SUNRISE" was torpedoed but is still afloat. H.M.R.T. "TENACITY" has been despatched to tow her in. During the third attack at 0811Z/2 S.S. "PARTHENON", "DALCROY", "RINOS", "EMPIRE LEOPARD", "EMPIRE ANTELOPE", "HARRINGTON", "MARITIMA", and "MOUNT PELION" were torpedoed. A fourth attack developed at 1040/3 and S.S. "HAHIRA" was torpedoed and sunk.

Convoy TAG 18

Four ships were sunk in the convoy when it was attacked on November 3rd in position 190 miles W.N.W. of Trinidad. The ships were as follows:

S.S. "C.J. KAMPMANN" (Sunk)
"THORSHAVET" (Torpedoed presumed sunk)
"LEDA" and "GYPSUM EMPRESS" (Torpedoed still afloat)

It is also possible that S.S. "CHRISTOPHER ROB" was also torpedoed.

Sinkings at Wabana.

S.S. "ROSE CASTLE" and "P.L.M. 27" were torpedoed in Wabana Anchorage at 0605Z/2 while at anchor. H.M.C.S. "DRUMHELLER" landed the survivors.

Weekly Comparison

The following figures show the areas in which ships were reported sunk during the week with comparative figures for the preceding week.

	Week Ending October 29th	Week Ending November 5th
Trinidad - unescorted	-	-
Trinidad - in convoy	-	4
Mid-Ocean - in convoy	5	13
Mid-Ocean - unescorted	5	1
Atlantic Coast	-	2
	10	20

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:-

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
15th Oct.	11	1	-	12	56,000
22nd Oct.	9	-	-	9	47,400
29th Oct.	7	3	-	10	82,700
5th Nov.	5	15	-	20	139,600

Sinkings

The list gives particulars of ships sunk, about which information has been received during the week.

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CONVOY NO.	NAME	POSITION	TIME & DATE OF ATTACK	TONS	REMARKS
HX 212	KOSMOS	55° 15' N 28° 10' W	0722Z/28	16,966	Torpedoed, sunk, Nor. Tanker sailed New York 18/10 Clyde.
HX 212	PAN NEW YORK	54° 58' N 23° 56' W	0116Z/29	7,701	Torpedoed, sunk, U.S. Tanker sailed New York 18/10 Clyde.
BW 12	ROSE CASTLE	Wabana	0605Z/2	7,803	Torpedoed, sunk, Br. Cargo, sailed Sydney 29/10 Wabana.
BW 12	P.L.M. 27	Wabana	0605Z/2	5,391	Torpedoed, sunk, Br. Cargo, sailed Sydney 29/10 Wabana.
SC 107	PARTHENON	52° 59' N 44° 02' W	1645Z/2	3,187	Torpedoed, sunk, Gr. Cargo, sailed Nfld. 30/10 Mersey.
SC 107	HAHIRA	54° 37' N 41° 45' W	1040Z/3	6,855	Torpedoed, sunk, U.S. Tanker, sailed New York 24/10 for U.K.
TAG 18	THORSHAVET	12° 10' N 63° 21' W	0537Z/3	11,015	Torpedoed, sunk, Nor. tanker, sailed Trinidad 2/11.
TAG 18	C.J. KAMPMANN	12° 06' N 62° 42' W	0107/3	2,260	Torpedoed, sunk, Br. sailed Trinidad 2/11.
HX 212	GDYNIA	55° 05' N 23° 27' W	0420Z/29	1,636	Torpedoed, sunk, Swed. Pass. sailed Halifax 20/10 Belfast.

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CONVOY NO.	NAME	POSITION	TIME & DATE OF ATTACK	TONS	REMARKS
	ABOSSO	48° 30' N 28° 50' W	1200Z/30	11,330	Torpedoed, sunk, Br. pass. arrived Capetown 30/9.
SC 107	DALCROY	52° 40' N 44° 40' W	1231Z/2	4,558	Torpedoed, sunk, Br. cargo, sailed Halifax 27/10.
SC 107	RINOS	52° 40' N 44° 40' W	1231Z/2	4,649	Torpedoed, sunk, Gr. cargo, sailed Halifax 27/10.
SC 107	EMPIRE LEOPARD	52° 40' N 44° 40' W	1231Z/2	5,520	Torpedoed, sunk, Br. cargo, sailed St. John's, Nfld. 30/10 Belfast.
SC 107	HARTINGTON	52° 40' N 44° 40' W	1231Z/2	5,496	Torpedoed, sunk, Br. cargo, sailed Halifax 27/10 Belfast.
SC 107	MARITIMA	52° 40' N 44° 40' W	1231Z/2	6,690	Torpedoed, sunk, Br. cargo, sailed Halifax 27/10 Glasgow.
SC 107	MOUNT PELION	52° 40' N 44° 40' W	1231Z/2	5,655	Torpedoed, sunk, Gr. cargo, sailed Halifax 27/10 Belfast.
SC 107	EMPIRE ANTELOPE	52° 40' N 44° 40' W	1231Z/2	4,945	Torpedoed, sunk, Br. cargo, sailed St. John's, Nfld Glasgow.
	EMPIRE RENNIE	00° 34' N 32° 27' W	0342Z/3	6,280	Torpedoed, sunk, Br. cargo, sailed Capetown 5/5 Freetown.

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CONVOY NO.	NAME	POSITION	TIME & DATE OF ATTACK	TONS	REMARKS
TAG 18	LEDA	12° 28' N 64° 03' W	1039Z/3	8,546	Torpedoed, sunk, Pan. tanker, sailed Trinidad 2/11.
TAG 18	GYPSUM EMPRESS	12° 28' N 64° 03' W	1039Z/3	4,034	Torpedoed, sunk, Br. Pass. sailed Trinidad 2/11.

PACIFIC

Aleutians

A Catalina aircraft attacked a U-boat S.W. of Adak Island at 1400P.W.T./30. No results were observed.

A U-boat fired two torpedoes at U.S. Sub "DOLPHIN" on A.M. of 30th October in area of Unimak-Akulan Pass but both missed. A search for the U-boat by aircraft proved negative.

81 thousand pound bombs were dropped on Kiska on 23rd October. One direct hit on shed and two on strip area were registered.

Reconnaissance of Kiska on 29/30 October showed one destroyer, two Corvette type ships and three light cruisers of Natori class in Kiska Harbour and Gertrude Cove. Offensive action was cancelled due to bad weather.

A buoy with a battery operated crystal type transmitter and receiver with four tubes was found on Matthew Island. Crystals operated weakly by batteries. Some parts were of U.S. manufacture and instrument was badly damaged. The time it had been on the beach is unknown but this instrument checks with jammed frequencies at Nome and Anchorage.

TRADE DIVISION

Atlantic Coast

Halifax (Slow Convoy) 13 ships Sailed November 4th

A/S Escort: Not received

British 8, Greek 2, Icelandic 1, U.S. 1, Norwegian 1.

Trans-Ocean Sailings ---------- 2

Pacific Coast ---------- 0

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GENERAL

Raiders

Survivors from S.S. "STEPHEN HOPKINS" landed in Rio de Janeiro report she was sunk by 2 raiders on the 27th September in position 31° S. 16° W. They also claim one of the raiders was sunk.

Torpedo Attack on H.M.C.S. "DRUMMONDVILLE"

H.M.C.S. "DRUMMONDVILLE" reported an explosion 100 yards on her port beam in position of Cape Race at 1903Z/29. The explosion is believed to be a torpedo fired from a long range. No track was seen and no contact made.

Sailing of BYMS's

F.O.N.F. sailed BYMS 802, 803, 804, and 830 on 2nd November by great circle to Londonderry.

Transfer of Destroyers to COMTASK 24

The Navy Department Washington have decided to take 3 long leg destroyers from coastal convoy escorts to be turned over to COMTASK 24 for temporary reinforcement of mid-ocean groups.

New Form of Convoy

Admiralty are going to experiment with a new convoy formation. The object of this formation is to form receding rear edges in order to prevent over-run hits and also make difficulties for U-boats firing from a good position close on convoy's quarter after having dropped down from ahead. Assuming 38 ships, wing columns one ship only. Columns next to wings 3 ships only. Remaining 6 columns 5 ships each. If there is more than 38 ships increase number of central columns, and for every 5 ships under 38 decrease number of central columns by one.

Convoy Conference at N.S.H.Q.

N.S.H.Q. proposes holding a convoy conference in Ottawa commencing November 19th. Admiralty, COMINCH and other Canadian and U.S. authorities have been invited to send representatives.

Wabana Anchorage

It is intended that in future not more than two ships at a time shall be at Wabana. On arrival of a B.W. convoy off St. John's all but two ships will enter St. John's with one escort and second escort with two ships will proceed Wabana. A shuttle service will then be run between St. John's and Wabana so that two ships with one escort arrive Wabana to load as the two there complete loading and with their escort proceed St. John's. It has been decided to provide anti-torpedo nets for the loading piers at Wabana. "B.D.1" is being used for this purpose and the tug "FRANK DIXON" is being despatched from Sydney to tow B.D. 1 from St. John's to Wabana. The nets for this operation are being taken from the Sydney C.B. baffles and will be shipped in vessels of the Dominion Steel Company. It is intended to allocate an additional Bangor for this duty.

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Control of Aircraft on Escort Duty

It has been agreed that aircraft of the 15th Group Coastal Command employed on escort duty in the Western Approaches will come under command of Senior Officer of Escort Force during the period aircraft is escorting convoy.

North Atlantic Convoy Routes

CONNAV suggested for consideration that H.X., S.C., and O.N. convoy routes be re-established 150 miles on either side of the Great Circle Route. This is suggested to shorten time at sea for convoys, take full advantage of air coverage and because of fuel limitations of escorts due to heavy weather.

Convoy Sailings

Commencing with H.F. 12 and H.S. 66 sailing A.M. 7th and 8th November respectively H.F. and H.S. convoys will be sailed every 4 days. Commencing with F.H. 13 and S.H. 60 sailing A.M. 9th and 10th November respectively F.H. and S.H. convoys are to be sailed every 4 days.

Patrol of Gut of Canso

An A/S patrol is being established at both ends of the Gut of Canso to protect the Mulgrave - Port Hawkesbury ferry. Three Fairmiles are being employed on this patrol.

Arrival of Force D at Esquimalt

H.M.C.S. "PRINCE HENRY", "PRINCE DAVID", "PRINCE ROBERT", "DAWSON" and "VANCOUVER" arrived at Esquimalt on 3rd and 4th November from duties with Force D.

Commissionings

Q.092 and Q.093 were commissioned on November 2nd at Toronto.

H.M.C.S. "ESQUIMALT" (Diesel Bangor) was commissioned at Sorel, P.Q., on October 26th.

H.M.C.S. "MULGRAVE" (Bangor) was commissioned at Port Arthur, Ont., on November 4th.

4. WORKS

BOOM DEFENCE

The Crib-work built at the end of the Gaspe Launching Ramp to assist hauling out and launching nets has been completed.

A complete report of the A/T Installations at Bay Bulls, Nfld., has been submitted. As recommended in the report, an extra 292' of Net has been added on the Shore end of the Harbourward Baffle.

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Two Dolphins have been installed at Esquimalt for the purpose of hauling out Nets.

The matter of finding some replacement for the electrical conductor, which had been planned for installation in the new 1½" circ. Rope Unit, is being investigated.

DEGAUSSING

It has been decided to use motor generator sets to control the degaussing installation on Twin Screw, Revised 220 Single Screw Corvettes, and on existing Single Screw Corvettes as replacements become necessary.

As necessary manufacturing drawings for certain compass corrector coil are not available in Canada, necessary information is being obtained from an actual coil installation on an Admiralty binnacle at Collingwood Shipyards.

Complete information regarding the location, markings, etc. of the Vancouver Range has been forwarded to the Assist. Superintendent Demagnetisation, Admiralty.

It is not expected that the D.G. Range at Esquimalt, if approved, will be in operation before the summer of 1943.

CONTRACT BUILT SHIPS

The following information regarding New Construction Ships is reported;

Two Minesweepers, 1 Fairmile, 1 Aircraft Escort Carrier, and 3 large Infantry Landing Craft, were commissioned during the past week.

Seven Fairmiles and 2 Minesweepers were launched or completed various trials.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 83, with Arming, Gunmounting, etc., being carried out on 4 ships.

TECHNICAL DIVISION

The services of a rubber technician have been secured for a time to investigate all Naval uses of rubber, and to establish new specifications where possible, incorporating a reduction in crude rubber content or replacement of the original rubber compound with synthetic or other materials.

"Bubblfil" buoyant material is being tested as a substitute for kapok, cellular rubber, etc.

Three more ships of the Bangor Class Minesweepers are being equipped with S.A. Type "C" gear, bringing the total to eleven.

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5. STORES

The equipment purchased by the Naval Stores amounted this week to $646,142.74.

CHIEFS OF STAFF COMMITTEE
7th November
1942

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 26.
Ottawa, 14th November, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 158

(For week ending 14th November)

-vVv-

1. PERSONNEL

(a) Enlistments:

	Enlistments		Deductions from Strength		Total Strength as of 12th November, 1942	
	Officers	Ratings	Officers	Ratings	Officers	Ratings
RCN	5	0	1	5	534	3,417
RCNR	3	9	0	3	901	4,950
RCNVR	25	307	0	38	3,897	36,526
TOTAL	33	316	1	46	5,332	44,893
LESS DIV. STR.					468	2,979
					4,864	41,914
WRCNS	-	62	-	-	26	205
					4,890	42,119

Total Enlistments, 1st Sept. 1939 to 12th November. 1942

Officers	5,076
Ratings	45,694
TOTAL	50,770

(b) Discharges:

	Officers	Ratings	TOTAL
Casualties (See Sec. 2)	0	4	4
Discharges (a) Med. Unfit	0	12	12
(b) Other Reasons	1	30	31
T O T A L	1	46	47

(c) Transfers:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	0	0
T O T A L	0	0	0

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2. CASUALTIES

Donald WEBB, Stoker 1, V33948, died of natural causes 8.11.42,

Donald O. HILL, Ord. Smn. V34348, killed in automobile accident 8.11.42.

Howard F. HOOPER, Coder, V25654, drowned 7.11.42.

Robert J. MacFARLANE, Ord. Sig., V50139, drowned.

	Officers	Ratings	TOTAL
Killed on Active Service	74	602	676
Other Deaths	9	70	79
TOTAL	83	672	755
Wounded or Injured	6	86	92
Prisoners of War	6	3	9

3. OPERATIONS

U-boat Sightings

Gulf of St. Lawrence

An R.C.A.F. plane sighted a possible periscope N.W. of Fame Point on 7th November.

Newfoundland and Nova Scotia

3 U-boats were sighted on the south coast of Newfoundland during the week, one each in Trinity Bay, Bay D'Espoir and Fortune Bay. One U-boat was also sighted in St. Mary's Bay, N.S.

U.S. Atlantic Coast

3 U-boats were sighted in this area, one off Cape May and two south of Nantucket Shoals.

Trinidad

4 U-boats were sighted in the Trinidad area this week.

Caribbean

In the vicinity of Curacao 3 U-boats were sighted and one was seen north of Colon.

Mid-Ocean

A merchant ship sighted possible U-boats (number unknown) 400 miles east of Belle Isle.

Hudson Straits

A U.S. warship sighted a U-boat in Hudson Straits. Resolution Island reported a gun action between a freighter and two small vessels and an unknown craft, the next day.

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Attacks on U-boats

Gulf of St. Lawrence

H.M.C.S. "RED DEER" attacked a submerged contact off the Bay of Chaleur on Nov. 7th without results. "Q.075" while escorting Convoy S.Q. 45 saw a torpedo break surface of Fame Point on 8th October. Contact was gained and 4 attacks were carried out dropping a total of 12 depth charges. No results have been reported.

U.S. Atlantic Coast

A surface craft attacked a U-boat off Cape Cod during the week.

Trinidad

A Hudson aircraft and U.S.S. "SURPRISE" each attacked a U-boat in this area.

Caribbean

A Martin aircraft attacked a U-boat off Martinique.

Mid-Ocean

An aircraft attacked 3 U-boats on November 5th while investigating H/F D/F bearings in Convoy S.C. 107. No particulars of these attacks have been received.

An aircraft made an attack on a U-boat in position 50 miles N.E. of Cayenne at 1150Z/2/10. Information from a survivor indicates the U-boat is on the bottom in 150 feet of water. This U-boat is possibly the U-515.

Attacks on Convoys

Convoy SC 107

Four attacks were made on this convoy last week and a fifth attack developed on 4/5 November in which 6 ships were sunk. S.S. "EMPIRE SUNRISE" was not located by H.M.R.T. "TENACITY" and is now presumed sunk. The total number of ships sunk in S.C. 107, is therefore 16.

Convoy TAG 18

A second attack on this convoy was made on November 5th and two ships were sunk. S.S. "LEDA" and "GYPSUM EMPRESS" which were reported torpedoed and still afloat after the first attack have now sunk. This makes a total of 6 ships sunk in this convoy.

Convoy TAG 19

In an attack on T.A.G. 19 on 7th November 2 ships were torpedoed and sunk.

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Convoy HX 212

S.S. "BARRWHIN" was torpedoed and sunk after leaving H.X. 212 to pick up survivors. S.S. "GDYNIA" reported torpedoed in this convoy last week has been reported as arriving U.K. undamaged. S.S. "FRONTENAC" was torpedoed on night of 27/28 October but reached U.K. with H.X. 212.

Special Convoys

S.S. "ELMDALE" in a special convoy from Trinidad to Capetown was sunk in mid-ocean on November 1st and S.S. "ARICA" in a special convoy near Trinidad was sunk on November 6th.

Weekly Comparison

The following figures show the areas in which ships were reported sunk during the week with comparative figures for the preceding week.

	Week Ending Nov. 5th	Week Ending Nov. 12th
Trinidad - unescorted	-	2
Trinidad - in convoy	4	8
Mid-ocean - in convoy	13	8
Mid-ocean - unescorted	1	2
Atlantic Coast	2	-
	20	20

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:-

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
22nd Oct.	9	-	-	9	47,400
29th Oct.	7	3	-	10	82,700
5th Nov.	15	5	-	20	139,600
12th Nov.	17	3	-	20	113,200

Sinkings

This list gives particulars of ships sunk, about which information has been received during the week:-

CONVOY	NAME	POSITION	TIME	TONS	REMARKS
HX 212	BARRWHIN	55° 15' N 28° 10' W	29th Oct.	4,998	Torpedoed, sunk, Br. cargo, sailed Halifax 20/10 Glasgow.
Special	ELMDALE	00° 17' N 34° 55' W	/1	4,872	Torpedoed, sunk, cargo sailed Trinidad 24/10 Capetown special convoy.

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CONVOY	NAME	POSITION	TIME	TONS	REMARKS
SC 107	TITUS	52° 40' N 44° 40' W	1231Z/2	1,712	Torpedoed, sunk, Dutch cargo, sailed Halifax 27/10 Mersey.
TAG 18	LEDA	12° 28' N 64° 03' W	1039Z/3	8,546	Torpedoed, sunk, Pan. tanker, sailed Trinidad 2/11.
TAG 18	GYPSUM EMPRESS	12° 28' N 64° 03' W	1039Z/3	4,034	Torpedoed, sunk, Br. passenger sailed Trinidad 2/11.
SC 107	JEYPORE	57° 00' N 36° 18' W	2028Z/4	5,318	Torpedoed, sunk, Br. cargo, sailed New York 24/10 OBAN.
SC 104	HOBBEMA	57° 00' N 36° 18' W	2028Z/4	5,506	Torpedoed, sunk, Dutch cargo, sailed New York 24/10 Mersey.
SC 107	EMPIRE LYNX	57° 00' N 36° 18' W	2028Z/4	6,072	Torpedoed, sunk, Br. cargo, sailed New York 24/10 Mersey.
SC 107	HATIMURA	57° 00' N 36° 18' W	2028Z/4	6,692	Torpedoed, sunk, Br. cargo, sailed New York 24/10 Mersey.
SC 107	MARITIMA	57° 00' N 36° 18' W	2028Z/4	5,804	Torpedoed, sunk, Br. cargo, sailed Sydney 28/10 Glasgow.

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CONVOY	NAME	POSITION	TIME	TONS	REMARKS
SC 107	DALEBY	57° 00' N 36° 18' W	2028Z/4	4,460	Torpedoed, sunk, Br. cargo, sailed Halifax 27/10 Oban.
	LA CORDILLERA	12° 52' N 58° 00' W	1600Z/5	5,185	Torpedoed, sunk, Br. cargo, sailed Capetown, 15/10 New York.
TAG 18	ASTRELL	12° 21' N 69° 21' W	0715Z/5	7,595	Torpedoed, sunk, Nor. tanker, sailed Curacao 4/11 Guantanamo T.A.G. 18.
TAG 18	METON	12° 21' N 29° 21' W	2043/5	7,027	Torpedoed, sunk, U.S. tanker, sailed Curacao 4/11 Guantanamo.
Special	ARICA	10° 58' N 60° 52' W	/6	5,390	Torpedoed, sunk, cargo sailed Trinidad 24/10 Capetown. Special convoy.
	OCEAN JUSTICE	10° 06' N 60° 00' W	2320Z/6	7,173	Torpedoed, sunk, Br. cargo, sailed Durban 10/10 Trinidad.
	HOLMPARK	13° 11' N 47° 00' W	0610Z/24	5,780	Torpedoed, sunk, Br. cargo, sailed Capetown 29/9 Trinidad.

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CONVOY	NAME	POSITION	TIME	TONS	REMARKS
TAG 19	NATHANIEL HAWTHORNE	11° 34' N 63° 26' W	/7	7,176	Torpedoed, sunk, U.S. sailed Trinidad 6/11 New York.
TAG 19	LINDEN HALL	11° 34' N 63° 26' W	/7	4,248	Torpedoed, sunk, Br. tramp, sailed Trinidad 6/11 New York.
	WEST KEBAR	14° 57' N 53° 37' W	2145/9	5,620	Torpedoed, sunk, sailed Freetown 16/10 Trinidad.

TRADE DIVISION

Atlantic Coast

Sydney 6 ships Sailed October 28th
British 5, Greek 1.
A/S Escort:
H.M.C.S. "RESTIGOUCHE"
"REGINA"
"AMHERST"
"ARVIDA"
H.M.S. "CELANDINE"

Wabana 5 ships Sailed October 30th
British 3, Greek 1, Swedish 1.
H.M.C.S. "ALGOMA"
"MOOSEJAW"
"SHERBROOKE"

Note: Information incomplete for last week's report.

Halifax 5 ships Sailed November 5th.
A/S Escort: H.M.S. "HIGHLANDER"
"ANEMONE"
"CLOVER"
"PENNYWORT"
"ABELIA"
"BORAGE"
"BEVERLEY"

British 4, Norwegian 1.

Trans-Ocean Sailings ---------- 1

Pacific Coast ---------- 0

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GENERAL

S.S. "NOVA II" on fire.

S.S. "NOVA II" caught fire in vicinity of Cabot Strait while on passage from Halifax to Canso. This ship is a total loss; all lives were saved.

Missing Aircraft.

A Goose amphibian plane in which Commander F.R. Gow was travelling from Sydney to Torbay has been missing since take off at 1921/7.

Western Isles Trawlers.

H.M.S. "BOWELL" has been renamed H.M.S. "MISCOU".

Convoy Conference.

Admiral Metcalf, Captain Wickam and Captain Fishler will represent Cominch at the convoy conference at N.S.H.Q. on 19th November.

As Assistant C.N.S., First Sea Lord and C. in C., W.A. are being relieved about 19th November Admiralty cannot send representatives to Ottawa and suggests discussions proposed in N.S.H.Q.'s 1646/31st October be deferred till a proposed meeting in the U.K.

Admiralty suggests a meeting as early as possible in London to discuss further reduction in mid-ocean escort groups to ten. This would free one group for employment as reinforcing group. As it is not at present practicable to strengthen all escort groups employment of a reinforced group appears to offer the best practical alternative.

Revised Chop Line

COMINCH has agreed to a change of "Chop Line" as follows:

(a) Chop Line for H.X., S.C., O.N., and O.N.S. Convoys and independent to and from U.K. to be changed from its present position in 43 degrees north 40 degrees west to run to 50 degrees north 35 degrees west and thence due north to Greenland.

(b) Control of troop convoys to continue as at present.

(c) Control of shipping to and from Iceland to continue as at present.

It will be noted that this is simply a change of chop line and has nothing to do with strategic area, which remains as heretofore.

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North Atlantic Convoy Route

Admiralty's reply to CONNAV's suggestion of re-establishing H.X., S.C., and O.N. Convoy routes (D.O.D. Summary of November 4th) is briefly as follows:

(a) The availability of air cover is regarded as being of the greatest importance and steps are being taken to build up Iceland with as many long range aircraft as can be made available.

(b) That general evasive for H.X., S.C., and O.N. Convoy routes be discontinued, but considers that the routeing of these and alternate O.N. and O.N.S. convoys should continue on present basis. (Present basis is with centre line through positions "X" 53° 30' N., 43° 00' W., "Y" 58° 30' N., 31° 00' W., "Z" 58° 30' N., 21° 30' W., H.S. and S.C. Convoys to north of centre line and O.N. and O.N.S. to south.

West Africa Command

In view of the growing importance of Freetown and the West Africa area it has been decided to separate the area from the South Atlantic Command and institute it as a separate Command. This is to take effect from 10th November 1942. The Rear Admiral West Africa will become Flag Officer Commanding West Africa with short title F.O.C.W.A.F. The F.O.C. will be responsible for all matters in the area and will act as liaison on naval matters direct with the Resident Minister in West Africa.

The northernmost and southernmost limits of command will be 20° N., and 10° S., respectively. The western limit will be the eastern boundary of U.S. Strategic area.

Naval Force in N. Africa Operations

The naval cover for operations in North-West Africa is as follows:

6 Battleships - 1 Battle Cruiser - 16 Cruisers - 12 Aircraft Carriers - 1 Monitor - 4 AA Ships - 107 Destroyers - 5 Sloops - 18 Corvettes and other smaller craft.

At 0750/7 U.S. Transport "THOMAS" 7191 tons was damaged by torpedo 120 miles N.W. of Algiers and was taken in tow. H.M.S. "TETCATT" (Hunt Class Destroyer) was damaged by near miss 60 miles N.W. of Algiers at 2233/7. H.M.S. "MALCOM" (Destroyer) was damaged at 0435/8 off Algiers and at 1740/8 H.M.S. "BOADICEA" (Beagle Class Destroyer) was hit off Oran and shell room was flooded. Seventeen R.C.N. Corvettes have been loaned to Admiralty for this operation, but it is not known if any of them have yet reached the Mediterranean.

Morocco

It is believed that the entire French Naval Force at Casablanca was either sunk or severely damaged. The strength of this force is estimated at the immobilized battleship "JEAN BART", 1 light cruiser, 3 destroyer leaders, 8 destroyers and 12 submarines.

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Greatly increased air and submarine activity is reported in the western Mediterranean and many attacks have been made on enemy U-boats.

Landing from German U-boat

The RCMP at New Carlisle, P.Q., arrested a suspicious character on a train on November 9th. It has since been established that this person is a German Naval Officer landed at Gaspe from a U-boat on 6th November. H.M.C.S. "RED DEER" and "BURLINGTON" have patrolled the Bay of Chaleur in hope of intercepting U-boat on its return. This patrol will be continued until daylight of 14th November.

Prisoner stated he has landed before at Metis and Perce during the summer.

Return of BYMS's (M.M/S) to St. John's.

BYMS 2-3-4 and 30 which were sailed from St. John's to U.K. on November 2nd have had to turn back to St. John's because of breakdown. BYMS 3 and 30 have arrived under their own power, but BYMS 2 and 4 are being towed by HMRT "TENACITY" and "FRISKY". FONF requests that no further BYMS be sailed to St. John's until investigation of present situation. From preliminary investigation it would appear Engine room personnel are not sufficiently trained to operate the machinery in heavy weather.

"LL" Sweepers (105' Wooden)

H.M.C.S. "LLEWELLYN" and "LLOYD GEORGE" are transferred from new construction to Halifax Local Defence Force to date 11th November. These two ships are at present working up at Halifax.

Allotment of Diesel Bangors

FONF has requested that two Diesel Bangor M/S's be allotted to him to replace 2 steam Bangors. These Diesel Bangors are needed to act as escort on extended operations such as escorting ships under tow in Mid-Ocean.

Transfer of Fairmile

"Q.084" is being transferred from St. John's defence force to Halifax Local Defence Force to date 10th November.

New Construction

Commissionings

H.M.C.S. Q.098 - Q.099 - Q.100 - Q.101 were commissioned at Toronto on 7th November, and H.M.S. "PROSPECT" (Western Isles Trawler) also commissioned at Toronto on that date. "Q.087" and "Q.096" were commissioned at Toronto on November 9th. "Q.090" commissioned on November 11th at Toronto.

4. WORKS

BOOM DEFENCE

Foundations for the Winch at the southern end of the new A/T Gate at St. John's, Nfld., have now been completed.

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Wharf, Ramp and Boardwalk construction at Esquimalt, B.C., is now completed.

A/T Net lifting operations began at North Sydney and weighing operations of the A/T Baffle at the Daly Point end of the Boom were completed with the exception of 5 Anchors.

Investigations are being carried out concerning the possibilities of A/T Installation at Wabana, Nfld., and of A/S or A/T protection at the Strait of Canso, N.S.; also for the protection of the harbour on the island of St. Pierre, the latter at the request of the Fighting French authorities.

CONTRACT BUILT SHIPS

The following information regarding ships of New Construction for the past week, is reported:

Two Twin Screw Corvettes and 1 Minesweeper were launched.

Two large Infantry Landing Craft, 1 Minesweeper, and 2 Fairmiles were Commissioned.

Trials were carried out with 2 Minesweepers, 5 Fairmiles, and 1 Western Isles Trawler.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 69, with Arming, Gunmounting, etc., being carried out on 10 other ships.

TECHNICAL DIVISION

Comparative tests, carried out with kapok and Cuprene, buoyant filling materials, to determine the effect of incendiary bullets thereon, indicate that it is more difficult to extinguish the smoldering of Cuprene, so that to be of use in the Service, Cuprene would require treatment with some fireproofing agent.

A report is being submitted by N.R.C., regarding the fire which destroyed the superstructure and a considerable amount of equipment, of the experimental barge, utilized in general acoustic research.

Orders are being placed for most of the "LL" equipment in the eight 105' wooden Minesweepers building on the West Coast.

ANTI-SUBMARINE BRANCH

The setting up of a Fixed Defence organization in C.O.A.C.'s command to undertake practical F.D. work for the whole east coast was considered, and proposals were submitted to C.O.A.C. for comment.

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An A/S Planning Committee has been organized to:

(1) Plan A/S Projects.
(2) Issue instructions and allocate the responsibility for the execution of plans.
(3) Receive reports and check on progress of projects.

5. STORES

The equipment purchased by the Naval Stores amounted this week to $4,209,060.50.

CHIEFS OF STAFF COMMITTEE
14th November
1 9 4 2

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COPY NO. 1

DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 26.
Ottawa, 21st November, 1942.

Summary of Information respecting Departmental Activities

SUMMARY NO. 159

(For week ending 21st November)

-vVv-

I. PERSONNEL

(a) ENLISTMENTS:

Week Ended 19th November, 1942.

	Enlistments		Deductions from Strength		Total Strength as of 19th November, 1942		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	TOTAL
RCN	3	0	1	2	536	3,415	3,951
RCNR	7	5	0	11	908	4,944	5,852
RCNVR	45	165	3	32	3,939	36,659	40,598
TOTAL	55	170	4	45	5,383	45,018	50,401
LESS DIV. STR.					429	2,811	3,240
TOTAL					4,954	42,207	47,161
WRCNS	-	23	-	-	26	228	254
					4,980	42,435	47,415

(b) DISCHARGES, during week ended 19th November, 1942:

	Officers	Ratings	TOTAL
Casualties (See Sec. d)	1	1	2
Discharges (a) Med. Unfit	0	17	17
(b) Other Reasons	3	27	30
T O T A L	4	45	49

(c) TRANSFERS, during week ended 19th November, 1942:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	0	0
T O T A L	0	0	0

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(d) CASUALTIES:

Lieut (E) T. Duncan B. ROSS, Missing - believed killed during accident in H.M.C.S. "SAGUENAY".

Lloyd George CAMPBELL, A.B. V17138, previously reported as Prisoner of War now reported dead 21-10-42, as result of wounds -- Dieppe.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	75	602	677
Other Deaths	9	71	80
TOTAL	84	673	757
Wounded or Injured	6	86	92
Prisoners of War	6	2	8

(e) DISTRIBUTION OF PRESENT STRENGTH:

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	86	1069	1155
Destroyers -			
- Tribals	19	182	201
- Rivers	54	872	926
- Towns	70	1007	1077
Corvettes	424	4961	5385
Fairmiles	92	577	669
M.T.B.	1	9	10
Auxiliary Patrol Vessels		710	710
Patrol Boats	174	196	370
Fishermen's Reserve	4	539	543
Harbour Craft	12	312	324
Base Supply Ships	28	170	198
Aux Tankers	5	54	59
Bangor M/S	342	3215	3557
Other M/S	45	313	358
Examination Vessels	36	292	328
Boom Attendant		12	12
Boom Maintenance	3	117	120
Looplayer	3	40	43
Gate Vessels	3	487	490
Tugs	15	197	212
Diving Boats		22	22
D.E.M.S.		182	182
Serving with R.N.	577	659	1236
TOTAL AFLOAT	1993	15194	17187

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ASHORE

	Officers	Ratings	TOTAL
Stadacona	601	6247	6848
Cornwallis	216	3599	3815
Kings	251	159	410
Protector	142	657	799
Captor	47	454	501
Shelburne	28	236	264
Fort Ramsay	32	284	316
Chaleur	50	272	322
Hochelaga	37	439	476
St. Hyacinthe	37	901	938
Sub Totals	1441	13248	14689
Naden	182	4157	4339
Givenchy	170	406	576
Royal Roads	22	73	95
Chatham	69	217	286
Vancouver	93	383	476
Sub Totals	536	5236	5772
Avalon	240	1767	2007
Bytown	398	359	757
Niobe	57	822	879
R.C.N.V.R. Divisions	301	4791	5092
Sub Totals	996	7739	8735
W/T Stations		239	
Ports and Shipyards		119	
		358	358
TOTAL ASHORE	2973	26581	29554

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	10	10
Charlottetown	10	4
Saint John	10	4
Quebec	12	109
Montreal	44	15
Cartier	12	24
Ottawa	16	1
Kingston	6	102
Toronto	42	13
Hamilton	13	17
London	13	5
Windsor	12	1
Port Arthur	10	9
Winnipeg	24	2
Regina	10	5
Saskatoon	12	9
Edmonton	12	9
Calgary	14	
Vancouver	29	
Esquimalt		
	301	339

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(f) SUMMARY OF MANPOWER TURNOVER, 31st August, 1939, to date:-

STRENGTH, as of 31st August, 1939

	Officers	Ratings	TOTAL
RCN	145	1748	1893
RCNR	106	350	456
RCNVR	116	1457	1573
	367	3555	3922

ENLISTMENTS (Adjusted for ratings promoted to Warrant or Commissioned rank)

1st Sept 1939 to 31st Dec 1939	425	2322	2747
1st Jan 1940 to 31st Dec 1940	1076	9850	10926
1st Jan 1941 to 31st Dec 1941	1692	12666	14358
1st Jan 1942 to 19th Nov 1942	1938	21026	22964
	5131	45864	50995
	5498	49419	54917

(g) RATINGS PROMOTED TO WARRANT OR COMMISSIONED RANK, 1st Sept. 1939 to 19th Nov. 1942.

	Warrant Rank	Commissioned Warrant Rank	Commissioned Rank	TOTAL
RCN	131	-	2	133
RCNR	174	5	12	191
RCNVR	34	=	467	501
T O T A L	339	5	481	825

(Certain small differences in the foregoing statistics are due to officers and men in transit, etc.)

II. TRADE DIVISION

Atlantic Coast

Halifax	20	ships	Sailed November 12th
British 11, Greek 4, Norwegian 2, Swedish 2, Panamanian 1.			
Sydney	3	ships	Sailed November 13th
Norwegian 2, Dutch 1.			
Wabana	2	ships	Sailed November 15th
British 1, Swedish 1.			

A/S Escort: H.M.C.S. "SKEENA"
H.M.S. "WINCHELSEA"
H.M.C.S. "WETASKIWIN"
"GALT"
"AGASSIZ"

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Halifax 4 ships Sailed November 13th
British 1, Norwegian 1, Greek 1, Belgian 1.

A/S Escort: H.M.S. "HURRICANE"
"WATCHMAN"
"ANCHUSA"
"DAHLIA"
"MONKSHOOD"
"WALLFLOWER"

Trans-Ocean Sailings ---------- 1

Pacific Coast

Trans-Ocean Sailings ---------- 0

III. OPERATIONS

U-boat Sightings

Gulf of St. Lawrence

One U-boat was reported by a lighthouse keeper in the Bay of Chaleur on November 13th.

Newfoundland and Nova Scotia

Nine sightings were reported in this area, one in each locality as follows:

South of Cape Race, Conception Bay, Port Aux Gaul (N.E. of St. Pierre), Trinity Bay, Placentia Bay, Yarmouth, east of Halifax, St. John, N.B. and Cape Canso.

U.S. Atlantic Coast

One U-boat was sighted during the week S.E. of Portland, Me.

Trinidad

Only one sighting was reported in the Trinidad area this week.

Caribbean

Nine U-boats were reported in this area as follows:

2 off Curacao
1 north of Aruba
1 south of Nassau
1 south of Jamaica
1 north of Cartagena
2 south of St. Thomas
1 west of Martinique

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Mid-Ocean

Two U-boats were sighted in mid-ocean this week. The first was sighted 30 miles astern of S.C. 109 on November 17th. It is not known by whom the second sighting was made.

Attacks on U-boats

Newfoundland

H.M.C.S. "MEDICINE HAT" attacked a submerged contact in Conception Bay on November 12th with negative results.

U.S. Atlantic Coast

An R.C.A.F. plane attacked a U-boat on the surface east of Nantucket Shoals on November 17th. 6 only 250 D/C's were dropped but no results of damage were observed. U.S.C.G. "GENERAL GREENE" attacked a U-boat on the 10th of November S.S.E. of Nantucket Island. No results have been received.

Trinidad

H.M.S. "ST. LOMAN" attacked a U-boat east of Trinidad on November 12th and a Hudson aircraft attacked a U-boat in vicinity of Trinidad on November 17th. The results of these two attacks are not known.

Mid-Ocean

H.M.S. "ROSE" which was escorting Convoy O.N.S. 144 on November 16th attacked a U-boat, but results are unknown.

Attacks on Convoys

Convoy ONS 144

This convoy was unsuccessfully attacked by a U-boat on November 15th in Mid-ocean. This was the first attack on a North Atlantic Convoy since November 4th/5th when S.C. 107 was last attacked. A second attack was made on this convoy on November 17th and three merchant ships were torpedoed. On November 18th a third attack resulted in H.N.M.S. "MONTBRETIA" (Norwegian Corvette) and two merchant ships being torpedoed. 27 survivors were picked up from "MONTBRETIA". The ships torpedoed are as follows:

S.S. "TINYAKA", "WIDESTONE", "MOUNT TAURUS", "PRESIDENT SERGENT", "PARIS MINA", and one unknown. Survivors are known to have been picked up from four of the ships. The Senior Officer of the Escort Force reported escorts were getting low on D/C's and requested additional escort. "ROXBOROUGH", "MIDLAND", "COBALT", "LACHINE" and "FIREDRAKE" have been despatched to reinforce escort of O.N.S. 144.

Convoy SC 109

S.C. 109 was attacked on the 18th of November in mid-ocean and the S.S. "BRILLIANT" (U.S. Tanker) was torpedoed. This ship is proceeding at 3 knots under her own power to St. John's escorted by "SACKVILLE". H.M.C.S. "TROIS RIVIERES" and H.M.R.T. "TENACITY" have been despatched to assist her.

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Weekly Comparison

The following figures show the areas in which ships were reported sunk during the week with comparative figures for the preceding week,

	Week Ending Nov. 12th	Week Ending Nov. 19th
Trinidad - unescorted	2	3
Trinidad - in convoy	8	-
Mid-ocean - in convoy	8	6
Mid-ocean - unescorted	2	2
Atlantic Coast	-	1
	20	12

The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
29th October	7	3	-	10	82,700
5th November	15	5	-	20	139,600
12th November	17	3	-	20	113,200
19th November	10	1	1	12	52,900

Sinkings

This list gives particulars of ships sunk, about which information has been received during the week:-

Convoy No.	NAME	POSITION	TIME	TONS	REMARKS
Ex SC 99	WILLIAM CLARK	71° 05' N	1235Z/4	7,116	Torpedoed, sunk, U.S. Cargo, sailed Halifax 5/9 to Iceland.
	NIDERLAND	11° 41' N 60° 42' W	1200Z/9	8,147	Torpedoed, sunk, Dutch cargo, sailed Durban 30/10 to Bahrein.
	CITY OF RIPION	08° 40' N 59° 20' W	0727Z/11	6,368	Torpedoed, sunk, Br. cargo, sailed Capetown 18/10 Trinidad then New York.

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Convoy No.	NAME	POSITION	TIME	TONS	REMARKS
WB 13	AZRA	Cape Race	0845/15	1,700	Sunk in collision Pan. cargo, sailed St. John's 14/11 Sydney.
	KING ARTHUR	30° 10' N 59° 50' W	/15	5,224	Torpedoed, sunk, Br. cargo, sailed Port Elizabeth 15/10 Trinidad.
ON 144	H.N.M.S. MONTBRETIA	53° 00' N 37° 30' W	/18	900	Torpedoed sunk Norwegian Corvette.
ON 144	TIRYAKA	53° 00' N 37° 30' W	/18		Torpedoed sunk.
ON 144	PARIS MINA	53° 00' N 37° 30' W	1500Z/19	4,732	Torpedoed sunk, U.S. Cargo, sailed Iceland 8/11 Boston.
ON 144	MOUNT TAURUS	53° 00' N 37° 30' W	/18	6,696	Torpedoed sunk, Gr. cargo, sailed U.K. 7/10 Halifax.
ON 144	PRESIDENT SERGENT	53° 00' N 37° 30' W	/18	5,344	Torpedoed sunk, Br. tanker sailed U.K. 7/10 Halifax.
ON 144	WIDESTONE	53° 00' N 37° 30' W	1500Z/19	3,192	Torpedoed sunk, Fr. cargo, sailed U.K. 7/11 St. John's, Nfld.

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Convoy No.	NAME	POSITION	TIME	TONS	REMARKS
	CITY OF CORINTH	10° 55' N 61° 01' W	/17	3,518	Torpedoed, sunk, Br. cargo, sailed Capetown 17/10 Pernambuco to Trinidad.

PACIFIC

Gunfire off Vancouver Island

The lighthouse keeper at Nootka Point reported hearing 15 rounds of heavy gunfire between 2314 and 2355 hours on the 15th of November. Due to strong winds and snow he was unable to determine the position. No confirmation has been received of this report.

Japanese Aircraft Carriers

U.S. Intelligence reports an amateur W/T Operator intercepted a message in Danish that two Jap Carriers were 650 miles off Vancouver Island, heading south. No further confirmation has been received of this report.

Reported attack on Alaska

Information was received in Pacific Command from N.O.I.C. Prince Rupert that Sitka and Dutch Harbour were attacked and Ketchikan was on the alert against air attack from noon 16th November. Prince Rupert and Terrace defences were put on No. 1 alert. A later signal reports everything normal at Sitka, Juneau, Anchorage and Dutch Harbour. No further word has been received as to where the report of the attack originated.

Aleutians

On November 9th 7 Japanese Float Planes were destroyed in Holtz Bay, Attu Island, by 4 U.S. fighters and 1 heavy bomber. On this same day an unsuccessful attack was made on a freighter in Gertrude Cove and 2 fighters straffed a freighter in Kiska Harbour. Kiska Camp was raided by 16 "B24" and 2 "B26" aircraft on November 8th. The results were not observed due to the target being overcast. On November 10th an Army barge sighted a periscope in Akutan Pass. Reconnaissance on November 13th showed 5 enemy barges on the south shore of Holtz Bay and 12 to 15 on the east side of Chichagof Harbour. There was no change in major shipping. At 4000 feet over Amchitka an aircraft observed three flashes from a plane beacon marked on 75 megacycles. Investigation disclosed an antennae on Aleutian Point. Ack Ack was encountered over Holtz Bay and appeared to be 3 inch or 37 MM. U.S. Authorities believe the float planes destroyed on November 9th were to be used in an attack against Aleutian Bases and claim that the possibility still exists.

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Transfer of H.M.C. Ships

H.M.C. Ships were transferred to new forces as follows:

Name of Ship	Class	From	To	Date
Q.076	Fairmile	H.L.D.F.	Sydney	Nov. 18th
Q.073	Fairmile	Sydney	H.L.D.F.	Nov. 18th
FORT WILLIAM	Bangor M/S	New construction	H.L.D.F.	Nov. 15th
THREE RIVERS	Bangor M/S	W.L.E.F.	Newfoundland Force	Nov. 20th
MINAS	Bangor M/S	Newfoundland Force	W.L.E.F.	Nov. 20th

Closing Goose Bay and Rigolet

Operations at Goose Bay concluded for the season on November 16th. Ice was making in the Basin of Goose Bay on that date. The War Watching Station at Rigolet closed on November 17th and personnel and stores were embarked aboard H.M.S. "ARROWHEAD".

Examination Service Skeena River

C.O.P.C. proposes to use H.M.C.S. "CANCOLIM" to establish an examination service on the Skeena River. The examination line is to run from Raspberry Island to Haysport and Raspberry Island to Village Island. This will cover the upper reaches of both the Skeena and Hocstall Rivers at this point.

A/S Patrol of Gut of Canso

Regular A/S Patrol by Fairmiles commenced P.M. 10th November at the north and south entrances of the Straits of Canso. This is to protect the Mulgrave - Port Hawkesbury ferry.

Gaspe A/S Defence

N.O.I.C. Gaspe reports the gate and gate vessels have been withdrawn there and the nets are being lifted. Two Fairmiles will carry out A/S Patrol until the close of navigation.

Chop Line of New West Africa Station

The Chop Line between U.S. and British zones remains unchanged but the Chop Line between South Atlantic and the new West Africa Stations is the southern boundary of the new station, namely 10° south.

Enemy Mines on Atlantic Coast

Due to the discovery of an enemy mine 2 miles S.E. of Ambrose Light Vessel on November 13th the Ambrose Channel to the port of New York closed until 1800Q 14th November, but the entrance via Long Island Sound was not closed.

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H.M.C. Ships in Collision

H.M.C.S. "SAGUENAY" while escorting S.S. "LADY RODNEY" on November 15th was rammed by S.S. "AZRO" from Convoy W.B. 13 in position 12 miles south of Cape Race. S.S. "AZRO" sank and survivors were picked up by "SAGUENAY". Lieut. (E) D.A. Ross, R.C.N.V.R. who was taking passage aboard "SAGUENAY" to join "ST. LAURENT" was the only casualty in "SAGUENAY". He was asleep in the ward room at the time of the accident and was not seen again.

H.M.C.S. "GODERICH" was in collision with S.S. "IOCOMA" in Halifax Harbour on November 17th. "GODERICH's" bow was damaged and repairs will be completed on November 23rd.

Q.074 was in collision with S.S. "TAMPICO" on November 15th. Temporary repairs will require 6 days but the particulars of the damage have not been received.

Missing Aircraft

The Goose Amphibian Aircraft in which Cdr. Gow was travelling and which was overdue, has been located. Wreckage of the plane was found near Horse Chops (40 miles north of St. John's) but no bodies have been recovered to date. The plane apparently crashed into the sea and the wreckage was washed ashore.

Fire at Cape Cove "Y" Station

The main building of the "Y" Station at Cape Cove, P.Q., (Bay of Chaleur) was completely destroyed by fire on the night of 11/12 November while the building was closed.

Commissionings

Ship	Class	Date	Place
H.M.C.S. Q.102	Fairmile	Nov. 14th	Toronto
H.M.S. DOCHET	Western Isles Trawler	Nov. 16th	Sorel, P.Q.
H.M.C.S. BLAIRMORE	Bangor M/S	Nov. 17th	Port Arthur
H.M.C.S. Q.103	Fairmile	Nov. 18th	Toronto

IV. WORKS

BOOM DEFENCE

There has been considerable activity in Boom Defence during the past week, particularly with regard to New Installations. It has been approved to install A/T Protection for the Loading Wharves at Wabana, Newfoundland, and A/S Nets at each end of the Gut of Canso. The Installation of some protection at Holyrood, Nfld., has also been proposed. As well, an A/S Net was placed in the opening at Mauger's Light House, Halifax.

An examination was made of the new Derrick Scows being built at the Canadian Dredge & Dock Co. Ltd., Kingston, Ont.

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DEGAUSSING

A Financial Encumbrance has been raised to cover the purchase of ten complete reserve sets of degaussing equipment for single Screw Corvettes.

Complete specifications for degaussing of Tribal Class Destroyers have been passed to the Director of Naval Construction.

Considerable difficulty has been experienced in obtaining motor generator sets from American sources for degaussing New construction Cargo Vessels and complete electrical and manufacturing specifications have recently been purchased from an American supplier by a Canadian firm intending to manufacture this equipment in Canada.

ANTI-SUBMARINE BRANCH

Trials of the electrical target developed by National Research Council were under way during the week at Halifax, but results are not yet available.

A visit was made to New London recently in connection with the design of a vessel for cable laying.

CONTRACT BUILT SHIPS

The following information is reported with regard to ships of New Construction:

Two Minesweepers, 6 Fairmiles, and 1 Western Isles Trawler were Commissioned.

One Fairmile was Launched.

Three Minesweepers, 5 Fairmiles, 1 Base Supply Ship, and 2 Western Isles Trawlers completed various Trials.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 66, with Gun Mounting being completed on 2 ships.

V. STORES

The equipment purchased by the Naval Stores amounted this week to $407,113.45.

CHIEFS OF STAFF COMMITTEE
21st November
1942

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MOST SECRET

H.Q.S. 5199-U-A, Vol. 3

OTTAWA, 27th November, 1942.

DEPARTMENT OF NATIONAL DEFENCE

Summary of Information Respecting Departmental Activities

C180008

SUMMARY NO. 160

(for week ending 21 Nov 42)

ARMY

STRENGTH RETURNS

1. The strength of the Canadian Army on 14 Nov 42 was as follows:

	14 Nov 42	7 Nov 42
(a) ACTIVE		
(i) Abroad		
Units and Formations	170,573	170,914
CMHQ	1,618	1,618
Goose Bay Garrison	1,372	1,370
"W" Force	4,379	4,379
"N" Force	165	165
"Y" Force	779	782
Br Gu Det	34	34
"B" Force	175	-
	179,295	179,522

(ii) Canada	Vol	GO 139/39	NRMA	TOTAL	Vol	GO 139/39	NRMA	TOTAL
2 Army Tk Bde	2845	-	-	2845	2839	-	-	2839
Ancillary Tps	3468	-	-	3468	3390	-	-	3390
Under Pac Comd								
6 Div	6086	-	5751	11837	6187	-	5837	12024
8 Div & U/c 8 Div	4353	-	3397	7750	4420	-	3570	7990
u/c GOC-in-C	4076	-	3328	7404	4103	-	3247	7350
Under Atl Comd								
7 Div	6832	-	4783	11615	7010	-	4792	11802
u/c GOC-in-C	7412	-	4970	12382	7354	-	4978	12332
Units being formed for Nfld	182	-	99	281	133	-	149	282
21 Bde Gp	734	-	673	1407	741	-	670	1411
Other - Misc	2415	-	1443	3858	2604	-	1407	4011
NDHQ & DHQ Staffs	4136	56	159	4351	4074	57	120	4251
Internment Camp Staffs	1082	-	-	1082	1061	-	-	1061
VC of C	7976	-	-	7976	7927	-	-	7927
Dets & Coys RWE	19631	59	705	20395	19395	79	738	20210
Details att to RCAF	875	-	-	875	875	-	-	875
Perm Hosp Installations	2946	12	343	3301	2924	11	340	3275
A & T Staff (Res) Units	-	1282	-	1282	-	1282	-	1282
DISTRICT DEPOTS								
Staff - Within Est	4549	1	35	4585	4312	1	34	4347
Surplus to Est	998	3	184	1185	1279	3	183	1465
Recruits awaiting Trans	6326	-	3677	10003	4513	-	2685	7198
Undergoing Trade Trg	167	-	36	203	132	-	31	163
Awaiting Posting or Emp								
A & B Category	1783	-	680	2463	1926	-	678	2604
Low Category	1296	-	333	1629	1411	-	278	1689
Awaiting Disp to ETC	274	-	230	504	306	-	175	481
Limited Duty Pers	107	-	44	151	102	-	40	142
Awaiting Discharge	597	-	86	683	661	-	100	761
Specially Employed								
Detailed for Duty	201	-	70	271	227	-	64	291
On Comd to Units	4165	-	407	4572	4254	-	428	4682
On Comd to OTC	1254	-	-	1254	1074	-	-	1074
Misc	1047	-	1816	2863	494	-	1758	2252

(Over)

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	14 Nov 42				7 Nov 42			
TC STAFFS	Vol	GO 139/39	NRMA	TOTAL	Vol	GO 139/39	NRMA	TOTAL
Administrative	12827	345	1645	14817	12847	349	1911	15107
Instructional	8107	86	70	8265	7855	89	69	8013
TC Reinforcements								
Advanced								
Trained Soldier Coys	3482	-	456	3938	3425	-	516	3941
Taking Military Trg	12878	-	3413	16291	13499	-	3795	17294
Taking Trade Trg	3298	-	247	3545	3524	-	296	3820
On Str but not in Trg	4274	-	760	5034	4041	-	549	4590
Att other units for Trade Trg	3018	-	481	3499	1823	-	279	2102
Detailed for Spec Duty	723	-	22	745	1404	-	81	1485
Basic								
Effectives	14781	-	6908	21689	14508	-	6706	21214
Non-Effectives	1985	-	1026	3011	2189	-	1127	3316
Schools - Voc Trg, Etc								
Staff	3637	217	334	4188	3669	215	323	4207
Pers in Trg	2011	-	1350	3361	1939	-	1538	3477
	168834	2061	49961	220856	166429	2086	49472	217987
CWAC				7028				6541
TOTAL ACTIVELY EMPLOYED IN CANADA				227884				224528
(b) RESERVE ARMY								
Volunteers		96866				96866		
NRMA Recruits (30 Day)		47076				47076		
TOTAL				* 143942				* 143942
c) RECAPITULATION OF TOTALS								
ACTIVE ARMY								
Vol Enlisted								
Abroad		179295				179522		
In Canada		168834				166429		
		348129				345951		
Members, HD & "R" Recruits		49961				49472		
GO 139/39		2061				2086		
CWAC		7028				6541		
TOTAL ACTIVE ARMY				407179				404050
RESERVE ARMY								
Volunteers		96866				96866		
NRMA Recruits (30 Day)		47076				47076		
TOTAL RESERVE ARMY				143942				143942
TOTAL CANADIAN ARMY				551121				547992

* This figure subject to revision.

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DEPARTMENT OF NATIONAL DEFENCE

HQ.S. 5199-U, Vol. 26.
Ottawa, 28th November, 1942.

Summary of Information respecting
Departmental Activities

SUMMARY NO. 160

(For week ending 28th November)

-vVv-

I. PERSONNEL

(a) ENLISTMENTS:

	Week Ended 26th Nov., 1942. Enlistments		Deductions from Strength		Total Strength as of 26th November, 1942		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	TOTAL
RCN	3	0	0	2	539	3,414	3,953
RCNR	4	8	2	4	910	4,949	5,859
RCNVR	32	341	2	40	3,969	36,958	40,927
TOTAL	39	349	4	46	5,418	45,321	50,739
LESS DIV. STR.					384	2,984	3,368
TOTAL ACTIVE SERVICE					5,034	42,337	47,371
WRCNS	-	149	-	-	26	377	403
					5,060	42,714	47,774

(b) DISCHARGES, during week ended 26th November, 1942:

	Officers	Ratings	TOTAL
Casualties (See Sec. d)	0	1	1
Discharges (a) Med. Unfit	1	22	23
(b) Other Reasons	3	23	26
T O T A L	4	46	50

(c) TRANSFERS, during week ended 26th November, 1942:

	Officers	Ratings	TOTAL
To RCN from RCNR	0	1	1
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	2	2
T O T A L	0	3	3

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(d) CASUALTIES:

John BRANNIGAN, Teleg. V2763, died 23.11.42.

8 injured on H.M.C.S. "BROCKVILLE" 17.11.42.

Ray Merrill VALLIE, Ldg. Smn. V539, Minor injury to right knee.

Robert BEAVERSTOCK, Stoker II, V31321, Minor injury to right knee.

Francis D. STAPLEY, Ldg. Sto. A7399. Compound fracture of arm.

C.J. SPEARIN, Lieut., Previously reported as prisoner of war, now returned to strength.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	75	602	677
Other Deaths	9	72	81
TOTAL	84	674	758
Wounded or Injured	6	97	103
Prisoners of War	5	2	7

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	86	1072	1158
Destroyers -			
- Tribals	20	182	202
- Rivers	55	832	887
- Towns	69	1004	1073
Corvettes	428	4970	5398
Fairmiles	90	577	667
M.T.B.	1	9	10
Auxiliary Patrol Vessels		710	710
Patrol Boats	177	195	372
Fishermen's Reserve	6	543	549
Harbour Craft	8	319	327
Base Supply Ships	30	168	198
Aux. Tankers	5	54	59
Bangor M/S	339	3285	3624
Other M/S	47	313	360
Examination Vessels	37	299	336
Boom Attendant		12	12
Boom Maintenance	3	119	122
Looplayer	3	40	43
Gate Vessels	3	490	493
Tugs	18	190	208
Diving Boats		22	22
D.E.M.S.		178	178
Serving with R.N.	587	654	1241
TOTAL AFLOAT	2012	16237	18249

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ASHORE

	Officers	Ratings	TOTAL
Stadacona	645	6368	6913
Cornwallis	227	3642	3869
Kings	242	160	402
Protector	85	635	720
Captor	47	467	514
Shelburne	29	248	277
Fort Ramsay	40	272	312
Chaleur	50	258	308
Hochelaga	36	406	442
St. Hyacinthe	37	916	953
Sub Totals	1438	13272	14710
Naden	203	4199	4402
Givenchy	163	432	595
Royal Roads	21	76	97
Chatham	61	222	283
Vancouver	89	380	469
Sub Totals	537	5309	5846
Avalon	248	1801	2049
Bytown	424	365	789
Niobe	57	830	887
R.C.N.V.R. Divisions	311	4780	5091
Sub Totals	1040	7776	8816
W/T Stations		240	
Ports and Shipyards		112	
		352	
TOTAL ASHORE	3015	26709	29724

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax		7
Charlottetown	10	3
Saint John	10	5
Quebec	11	4
Montreal	47	116
Cartier	13	16
Ottawa	13	27
Kingston	6	1
Toronto	44	107
Hamilton	14	18
London	14	17
Windsor	12	5
Port Arthur	10	1
Winnipeg	24	9
Regina	10	
Saskatoon	12	3
Edmonton	12	5
Calgary	14	
Vancouver	29	11
Esquimalt		8
	305	363

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(f) SUMMARY OF MANPOWER TURNOVER, 31st August, 1939, to date:-

STRENGTH, as of 31st August, 1939

	Officers	Ratings	TOTAL
RCN	145	1748	1893
RCNR	106	350	456
RCNVR	116	1457	1573
	367	3555	3922

ENLISTMENTS

1st Sept 1939 to 31st Dec 1941	3193	24838	28031
1st Jan 1942 to 26th Nov 1942	1977	21375	23352
	5170	46213	51383
	5537	49768	55305

(g) RATINGS PROMOTED TO WARRANT OR COMMISSIONED RANK, 1st Sept. 1939 to 26th November 1942.

	Warrant Rank	Commissioned Warrant Rank	Commissioned Rank	TOTAL
RCN	132	0	2	134
RCNR	174	5	12	191
RCNVR	34	0	467	501
T O T A L	340	5	481	826

(Certain small differences in the foregoing statistics are due to officers and men in transit, etc.)

II. OPERATIONS

U-boat Sightings

Gulf of St. Lawrence

There were no U-boats sighted in the Gulf during the past week.

Newfoundland and Nova Scotia

There were seven sightings in this area 5 off Nova Scotia and 2 off Newfoundland.

U.S. Atlantic Coast

Three U-boats were sighted in this area, 2 off Jacksonville and 1 off Portsmouth.

Caribbean

U-boats were sighted in this area as follows:

1 north of Tampico
1 south of St. Thomas
1 west of Guantanamo
1 east of Martinique

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Mid-Ocean

3 U-boats were sighted in mid-ocean during the week, 2 by independent ships and one by H.M.S. "FIREDRAKE".

Attacks on U-boats

Newfoundland

Two attacks were made on U-boats by R.C.A.F. Hudson Aircraft one S.E. of Cape Sable and one east of St. John's. The first attack resulted in some oil and bubbles but no definite signs of damage and the second had negative results.

U.S. Atlantic Coast

Two attacks were made on U-boats in this area, one by an aircraft off Charleston and one by a Sub-Chaser off Jacksonville. Results have not been received on either attack.

Trinidad

A U.S. Sub-Chaser (P.C.469) attacked a submerged contact and torpedo track in this area on November 3rd.

Mid-Ocean

H.M.C.S. "WETASKIWIN" while escorting S.C. 109 drove off a U-boat in a gun battle on November 19th.

H.M.S. "POTENTILLA" attacked a U-boat while escorting ONS 144. The U-boat was on the surface when the attack commenced, but dove before first attack was made which resulted in some oil. The attack lasted from 0830 to 1036Z/20 when contact was lost.

H.M.S. "ANCHUSA" while proceeding to the U.K. independently attacked a U-boat on the surface on November 22nd. Results are not known.

Attacks on Convoys

Convoy ON 145

O.N. 145 was attacked at 0317Z/21 in position 180 miles SSW of Cape Race. SS "EMPIRE SAILOR", "BRITISH RENOWN" and "BRITISH PROMISE" were torpedoed. It was thought that the "EMPIRE SAILOR" could be salvaged but she later sank at 1320Z/21. Survivors were picked up by "TIMMINS" and "MINAS". SS "BRITISH RENOWN" and "BRITISH PROMISE" both proceeded with the convoy.

Weekly Comparison of Losses by U-Boat

The following figures show the areas in which ships were reported sunk during the week with comparative figures for the preceding week.

	Week Ending Nov. 19th	Week Ending Nov. 26th
Trinidad - unescorted	3	-
Trinidad - in convoy	-	-
Mid-Ocean - in convoy	6	1
Mid-Ocean - unescorted	2	4
Atlantic Coast	1	-
	12	5

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The numbers and tonnage of ships reported sunk during the week with comparative figures for the last three weeks are:-

Week Ending	Cargo	Tanker	Warship	Total	Tonnage
5th November	15	5	-	20	139,600
12th November	17	3	-	20	113,200
19th November	10	1	1	12	52,900
26th November	5	-	-	5	36,000

Sinkings

This list gives particulars of ships sunk, about which information has been received during the week:-

NAME	POSITION	TIME	TONS	REMARKS
ZAANDAM	01° 17' N 36° 40' W	1728/2	10,909	Torpedoed, sunk, Dutch passenger, sailed Capetown 21/10 N.Y.
D'ENTRECASTEAUX	15° 30' N 57° 30' W	/7	7,291	Torpedoed, sunk, Br. Cargo, arrived Capetown.
BUCHANAN	52° N 26° W	2120Z/12	5,650	Torpedoed, sunk, Pan. Cargo, sailed N.Y. 4/11 Liverpool.
EMPIRE SAILOR	43° 55' N 55° 12' W	1320Z/21	6,140	Torpedoed, sunk, Br. cargo, sailed U.K. St. John, N.B.
EMPIRE STARLING	13° 05' N 56° 20' W	2220Z/21	6,060	Torpedoed, sunk, Br. Cargo, sailed Buenos Aires 28/4, Freetown.

PACIFIC

Aleutians

It was reported on November 20th that there were some indications of a convoy escorted by destroyers and possibly air protection was approaching Attu Island. No further confirmation has been received on this. It is estimated that 500 Japanese have re-occupied Attu Island with the intention of carrying out air attacks on U.S. Aleutian Bases. Reconnaissance on November 22nd showed no changes in shipping. Heavy snow has closed the field at Fort Glen on Umnak Island.

Organization of Fairmiles

It is proposed to re-organize the 73rd Flotilla with the following 6 Fairmiles Q.074 (S.O.) Lieutenant J.S. Humphrey, RCNVR, Q.065, Q.072, Q.079, Q.081 and Q.084. This flotilla and one other are to sail for the Caribbean on completion of A and A's defects about December 15th. A third flotilla will sail about January 1st.

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Transfer of H.M.C. Ships

The transfer of H.M.C. Ships is to take effect as follows:-

Name of Ship	Class	From	To	Date
H.M.C.S. WESTMOUNT	Bangor	New Construction	H.L.D.F.	November 20th.
H.M.C.S. RENARD	Armed Yacht	H.L.D.F.	H.M.C.S. CORNWALLIS as tender to torpedo school	November 27th.

Number of Ships in Operation and Under Repair

The following table shows the number of H.M.C. escort vessels and H.M. and Allied Ships operated by R.C.N. Authorities which were in service during the past week.

	In Service	Working Up	Boiler Cleaning or under repair not over 7 days	Under refit or repairs over 7 days	Total
No. of escort vesvels	171	29	8	27	236
Percentage	72.6%	12.3%	3.4%	11.6%	100%

Commissionings

Ship	Class	Date	Place
"Q.094"	Fairmile	November 19th	Toronto
H.M.S. TEXADA	Western Isles Trawler	November 19th	Kingston
H.M.S. "MMS 99"	Motor M/S	November 25th	Port Grenville NS
H.M.C.S. TRANSCONA	Diesel Bangor	November 25th	Sorel

Gaspe Ice Conditions

There is considerable ice in the S.W. arm of Gaspe Harbour and large pans are now forming in the N.W. Arm. NOIC Gaspe recommends withdrawing the Fairmile A/S patrol on November 27th as the ice may become dangerous if the cold weather continues. The task of lifting the A/S nets was completed on November 25th.

Mine off Fire Island

C.E.S.F. reports a mine exploded off the south end of Fire Island on November 21st.

Grounding of Ship

The SS "AUN" (Nor.) ran aground on White Rock at Port Au Port on November 23rd. The ship is in a dangerous position and cannot get off under her own power. Assistance has been sent from Cornerbrook.

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Attack on British Tug

SS "SOUTHAMPTON" reported being shelled and torpedoed off the east end of Long Island at 0055/26. Nothing further has been received on this attack.

III. TRADE DIVISION

Atlantic Coast

Halifax 8 ships sailed November 21st.
British 7, Norwegian 1

A/S Escort: HMS "FIREDRAKE"
"SUNFLOWER"
"ALISMA"
"PINK"
"LOOSESTRIFE"

There was one independent trans-Ocean sailing from the East Coast.

IV. WORKS

BOOM DEFENCE

Loading of the first shipment of A/T material at Sydney for Newfoundland was completed during the week.

A considerable quantity of new material has been received at Prince Rupert, B.C.

The Boom Defence Designs Officer was present at trials of New Indicator Nets at the U.S.N. Submarine Depot, at New London, Connecticut.

A survey is to be made of the possibilities of laying Submerged Nets in the Harbour at Louisburg, N.S.

ANTI-SUBMARINE BRANCH

The A/S Stores Officer (C.O.A.C.) visited N.S.H.Q. during the week in connection with the setting up of a U/B Tracking Room in Halifax.

A visit was made to New London, Conn., for the purpose of studying U.S.N. cable laying ships and facilities.

DEGAUSSING

It has been approved to fit internal D.G. in existing Single Screw Corvettes, those vessels based in the United Kingdom and operating in U.K. waters to be fitted in U.K. ports, the remainder to be fitted in Canadian ports during refit or as time permits.

It has been decided to remove all instruments, papers, etc., from the Quebec D.G. Range and to completely close this Range for the winter months.

It is not considered that the establishment of a Shallow Degaussing Range at Sydney is warranted under present circumstances.

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TECHNICAL DIVISION

Word has been received from Admiralty that a drastic reduction in the quantity of pure gum stock utilized in the construction of buoyant cables, is possible, and will apply to all future orders placed by the R.C.N.

An examination is now to be made of all cable patterns used by the Naval Service, as a specification has been completed for the use of synthetic compounds to substitute for rubber compounds in electric cables used by all three Services.

Tests have been carried out upon the following items:

(a) General Electric rotary switches
(b) Degaussing fixed resistors
(c) Valve Bronze
(d) Bearing Babbitts

CONTRACT BUILT SHIPS

The following information is submitted regarding ships of New Construction, for the past week:

One Minesweeper, 2 Fairmiles, and 2 Western Isle Trawlers were Commissioned.

One Corvette and 1 Derrick Scow were Accepted, 1 Algerine Minesweeper was Launched and 2 Minesweepers, 1 Base Supply Ship, 1 Diesel Water Barge and 1 Western Isle Trawler completed various Trials.

DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 91.

Gun-mounting was carried out on 4 ships, and 3 others are in hand for arming.

Two French 90 M.M. guns were salvaged from the Canadian vessel "MAURIENNE" at Halifax.

V. STORES

The equipment purchased by the Naval Stores amounted this week to $311,813.43.

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N.S. 1000-5-19

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 4th December, 1942.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 161

REPORT NO. 99

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Week Ended 3rd December, 1942. Enlistments		Deductions from Strength		Total Strength as of 3rd December, 1942		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	TOTAL
RCN	3	0	0	5	542	3,409	3,951
RCNR	2	6	0	9	912	4,947	5,859
RCNVR	15	601	3	55	3,981	37,503	41,484
TOTAL	20	607	3	69	5,435	45,859	51,294
LESS DIV. STRENGTH					380	3,257	3,637
TOTAL ACTIVE SERVICE					5,055	42,602	47,657
WRCNS	2	155	-	-	28	532	560
					5,083	43,134	48,217

B. DISCHARGES, during week ended 3rd December, 1942:

	Officers	Ratings	TOTAL
Casualties (See Sec. C)	3	17	20
Discharges (a) Med. Unfit	0	10	10
(b) Other Reasons	0	42	42
T O T A L	3	69	72

C. CASUALTIES:

Calvin GRIMMON, A.B. 4026. Missing on War Service.

Donald DOCKSEY, A.B. 3745. Killed in Motor Accident.

Surg. Lt. John E. POWELL, Missing, presumed killed on Active Service 15.11.42.

Surg. Lt. Jacques DeLORMIER, Missing, presumed killed on Active Service 5.11.42.

Sub. Lt. (S.B.) Thomas P. SHEPPARD, Missing presumed killed on Active Service 15.11.42.

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Brice JACKSON, Stoker 11, V17704, Missing on War Services.

9 R.C.N.V.R. Ratings missing presumed killed on War Services 15.11.42 while on passage in a steamship which was sunk by enemy action.

S. S. SORENSEN, O.A. 4/c--V12678. Missing on Active Service 15.11.42.

C.F. SLINGSBY, A.B.--V24618. Lost overboard.

William M. POSTELNIC, Stoker 1, V19081. Missing on War Service.

S. S. MacPHERSON, Stoker 1, V1484. Missing on War Service.

W. LEARD, A.B.--V2456. Presumed Drowned.--27.11.42.

TOTAL CASUALTIES TO DATE

	Officers	Ratings	TOTAL
Killed on Active Service	78	616	694
Other Deaths	9	72	81
TOTAL	87	688	775
Wounded or Injured	6	97	103
Prisoners of War	5	2	7

D. TRANSFERS BETWEEN SERVICES, during week ending 3rd Dec.

	Officers	Ratings	TOTAL
To RCN from RCNR	0	0	0
To RCN from RCNVR	0	0	0
To RCNR from RCNVR	0	1	1
T O T A L	0	1	1

E. RATINGS PROMOTED TO WARRANT RANK, COMMISSIONED WARRANT RANK AND COMMISSIONED RANK, from 1st September, 1939, to 3rd December, 1942.

	Warrant Rank	Commissioned Warrant Rank	Commissioned Rank	TOTAL
RCN	134	0	2	136
RCNR	174	5	12	191
RCNVR	34	0	479	513
T O T A L	342	5	493	840

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F. SUMMARY OF MANPOWER TURNOVER, 31st August, 1939, to date:-

STRENGTH, as of 31st August, 1939

	Officers	Ratings	TOTAL
RCN	145	1748	1893
RCNR	106	350	456
RCNVR	116	1457	1573
	367	3555	3922
ENLISTMENTS			
1st Sept. 1939, to 31st Dec. 1941	3193	24838	28031
1st Jan. 1942, to 3rd Dec. 1942.	1997	21982	23979
	5190	46820	52010
	5557	50375	55932

G. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as at 2nd December, 1942.

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	84	1070	1154
Destroyers -			
- Tribals	24	242	266
- Rivers	60	830	890
- Towns	70	1003	1073
Corvettes	442	4968	5410
Fairmiles	97	563	660
M.T.B.	1	9	10
Auxiliary Patrol Vessels		710	710
Patrol Boats	181	195	376
Fishermen's Reserve	3	550	553
Harbour Craft	10	322	332
Base Supply Ships	31	170	201
Aux. Tankers	5	54	59
Bangor M/S	366	3354	3720
Other M/S	46	313	359
Examination Vessels	36	298	334
Boom Attendant		12	12
Boom Maintenance	3	119	122
Looplayer	3	40	43
Gate Vessels	2	484	486
Tugs	17	190	207
Diving Boats		22	22
D.E.M.S.		165	165
Serving with R.N.	586	651	1237
TOTAL AFLOAT	2067	16334	18401

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ASHORE

	Officers	Ratings	TOTAL
Stadacona	630	6283	6913
Cornwallis	245	3640	3885
Kings	274	160	434
Protector	87	647	734
Captor	46	454	500
Shelburne	29	248	277
Fort Ramsay	33	270	303
Chaleur	50	254	304
Hochelaga	62	403	465
St. Hyacinthe	36	917	953
Sub Totals	1492	13276	14768
Naden	213	4231	4444
Givenchy	165	440	605
Royal Roads	22	76	98
Chatham	62	227	289
Vancouver	90	380	470
Sub Totals	552	5354	5906
Avalon	247	1812	2059
Bytown	427	371	798
Niobe	56	834	890
R.C.N.V.R. Divisions	258	4760	5018
Sub Totals	988	7777	8765
W/T Stations		242	
Ports and Shipyards		112	
		354	354
TOTAL ASHORE	3032	26761	29793

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax		7
Charlottetown	10	3
Saint John	9	5
Quebec	10	4
Montreal	40	114
Cartier	8	16
Ottawa	12	27
Kingston	6	9
Toronto	46	106
Hamilton	14	15
London	11	17
Windsor	9	8
Port Arthur	9	1
Winnipeg	14	9
Regina	10	
Saskatoon	11	2
Edmonton	11	3
Calgary	13	
Vancouver	15	10
Esquimalt		9
	258	365

(Certain small differences in the foregoing statistics are due to officers and men in transit, etc.)

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II. SHIPS

A. New Construction, week ended 2nd December, 1942.

Launchings : 1 Frigate (Twin Screw Corvette)
Commissionings : 1 Depot Ship
1 Bangor Diesel Minesweeper
1 Fairmile Motor Launch
8 Miscellaneous Craft were commissioned during the month of November.

B. Total Vessels in Commission, 2nd December, 1942.

Auxiliary Cruisers	3
Destroyers	12
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Depot Ships	2
Patrol Craft & Auxiliary Vessels	321
	527

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 28th November, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 21st Nov.	Week Ended 28th Nov.
Canadian Coastal Convoys			
HS & SH	Halifax & Sydney	17	11
HJ & JH	Halifax & St. John's, Nfld.	1	2
HF & FH	Halifax & St. John, N.B.	25	14
SQ & QS	Sydney & Quebec	6	6
SB & BS	Sydney & Cornerbrook	3	5
LC & CL	Sydney & St. John's, Nfld.	-	-
BW & WB	Sydney & Wabana	17	41
SPAB	Sydney & Port aux Basques	6	5
LN & NL	Quebec & Labrador	5	-
JN & NJ	St. John's, Nfld. & Labrador	-	8
		80	92
Atlantic Convoys			
HX & SC	North America/U.K.	100	73
ON & ONS	U.K./North America	52	64
		152	137
Caribbean Convoys			
NG & GN	New York & Guantanamo	90	113
	Total	322	342

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Gross Tonnage of Ships Convoyed	Week Ended 21st Nov.	28th Nov.
Canadian Coastal Convoys	239,175	258,821
Atlantic Convoys	909,191	809,496
Caribbean Convoys	641,141	749,108
T O T A L	1,789,507	1,817,425

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

2. Trans-Atlantic Sailings from Canadian Ports

Twelve ships, consisting of 9 British, 2 Greek and 1 Norwegian, sailed from Halifax on 28th November as the Canadian Section of a trans-Atlantic Convoy. Six ships, all British, similarly sailed from Halifax on 30th November. Two ships were sailed independently for the U.K. during the week ended 2nd December.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked or sunk by enemy action are given in an Annex to this Report)

(a) Canadian Coastal Waters (Area N of 40° N and W of 40° W)

1. The latest estimate of U-boats in the area of N of 40° N and W of 40° W places their number at approximately 7 patrolling and 3 passing through these waters.

2. H.M.C.S. "VEGREVILLE", while escorting Convoy HJ 19, heard four underwater explosions during the night of 27th/28th November when off Cape Canso. Star shell was fired, but there was no further sign of U-boats.

(b) Canada/U.K. Sea Lanes

1. S/S "BARBERRYS" in convoy SC 110 was damaged by gale and turned back for St. John's on 25th November. On the following day she was torpedoed 300 miles N.E. of St. John's. 21 survivors have been picked up.

2. S.S. "OCEAN CRUSADER" in convoy HX 216 was sunk in mid-ocean about 26th November. The cause of sinking is not known.

3. The figures for losses sustained by North Atlantic mercantile convoys during recent months, on the basis of information received up to 2400 30th November, are as follows:

	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9

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(c) Western Atlantic including Caribbean (Area W. of 40° W)

Sinkings in the area W of 40° W and North of the Equator during the last four weeks, on the basis of information received up to 2400 30th November and therefore subject to revision as later information is received, are as follows:-

Week Ended	Cargo Ships	Tankers	Total	Gross Tonnage
9th November	8	5	13	81,878
16th November	2	0	2	11,592
23rd November	6	0	6	33,207
30th November	None reported as yet			

iii. Counter-Attacks

1. An Aircraft sighted a U-boat 100 miles east of Avalon Peninsula on 26th November. The U-boat had submerged by the time the aircraft attacked.

2. H.M.S. "GEORGETOWN" attacked a U-boat contact south of Nantucket Shoals on 26th November while escorting SC 111.

3. H.M.C.S. "MEDICINE HAT" attacked a doubtful contact off Sydney, C.B., on 27th November.

4. H.M.C.S. "ARROWHEAD" and "BURLINGTON" attacked a good submerged contact N.W. of Fame Point on 26th November without visible results.

iv. Marine Casualties

1. S/S "BLAIR ATHOLL" in convoy SC 110 was damaged in a collision on 27th November 250 miles E. of Newfoundland. The ship subsequently foundered.

2. Fairmile Motor Launch Q.053 was holed amidships in a collision with a lighthouse tender on 26th November at the north end of the Gut of Canso.

3. H.M.C.S. "QUINTE", a Bangor minesweeper, grounded on Horsehead Shoal, St. Peter's Bay, southern entrance to Bras d'Or Lake, on 29th November, and with the aid of two tugs dispatched from Sydney, was refloated during the night.

4. Fairmile Motor Launch Q.082 was blown ashore on Bell Point (near Charlottetown, P.E.I.) on 29th November. All hands were saved, but the ship was badly damaged.

v. General

In view of ice and weather conditions in the St. Lawrence, the examination services at Quebec and Gaspe are being discontinued and Port War Signal Stations closed for the winter.

B. PACIFIC

U.S. authorities at Seattle advised on 27th November that there appeared to be a concentration of enemy submarines along the Pacific Coast with the possibility of more approaching.

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IV. WORKS

BOOM DEFENCE

A shipment of approximately 475 tons of anti-torpedo materials was loaded at Sydney for Newfoundland, making a total of 800 tons to date.

The Boom Defence Officer, North Sydney, N.S., in co-operation with the X.D.O., Sydney, has reported on the feasibility of Net Protection, Louisburg, N.S.

Procurement of supplies for new installations and for 1943 maintenance has been initiated in order to ensure the future delivery of certain necessary materials, and to keep trained crews in continual employment, obviating the necessity of training further crews.

ANTI-SUBMARINE

Orders have been placed for all A/S equipment necessary for new construction ships completed during 1943. Arrangements are being made to procure A/S equipment for all future construction as soon as the War Cabinet have approved the latest shipbuilding proposals.

Necessary preliminary work on the A/S Fixed Defence Projects, under approval by Staff, has been furthered, and the projects are now up for financial approval.

TECHNICAL DEVELOPMENT

Tests which are being carried out on newly developed coating materials, to replace linseed oil coatings now used for oilskins and anti-gas garments, indicate that it will be possible to use a material for an all-purpose garment with adequate protection against gas, and without the undesirable physical characteristics of linseed oil.

In consequence of the decision of the Department to manufacture fuses for ships' electrical circuits in Canada, experimental work is being carried out on available Canadian marble to determine its suitability for fuse filling purposes.

DEFENSIVELY EQUIPPED MERCHANT SHIPPING

D.E.M.S. inspections this week numbered 53, with Gun-Mounting, etc., being carried out on 3 ships.

A 3" U.S. gun was removed from H.M.C.S. "NASCOPIE", as this vessel is being laid up for the winter months.

DEGAUSSING

No report received.

ORDNANCE

No report received.

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STORES

The equipment purchased by the Naval Stores amounted this week to $1,227,822.18.

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ANNEX

MERCHANT SHIPPING CASUALTIES

1. The following pages--"Weekly Merchant Shipping Losses"--summarize information received concerning shipping losses during the past week in the area east of the eastern coast of North and South America North of the equator to 40° West longitude with the addition of a mid-ocean area extending East from 40° to 26° West and North from 43° North Latitude.

As information is necessarily imperfect and is often delayed, the figures for the current week and month are usually far short of the truth and require to be revised upwards. Occasionally tonnages are unknown and are left out until definite information comes in. Ships are not listed as sunk unless they have been seen to sink or have disappeared completely. Thus the present November figures represent something between 70% and 95% of the actual total whereas the October figures can be accepted as final or within 5% of the truth.

2. ATTACKS ON TRANS-ATLANTIC CONVOYS

The following ships were attacked, damaged, or sunk by enemy action during November in trans-Atlantic convoys.

Date 1942	Convoy	Ships Sunk		Attacked but not Sunk	
		In Convoy	Ex Convoy At time of Attack	In Convoy	Ex Convoy At time of Attack
Nov.					
2	SC 107	EMPIRE SUNRISE DALCROY RINOS EMPIRE LEOPARD EMPIRE ANTELOPE PARTHENON HARTINGTON MARITIMA MOUNT PELION HAHIRA			
4	SC 107	JEYPORE HOBBEMA EMPIRE LYNX HATIMURA DALEBY		TITUS	
7	ONS 142		ROXBY		
17/18	ON 144	MOUNT TAURUS PRESIDENT SERGENT WIDESTONE PARISMINA YAKA			
18	SC 109			BRILLIANT	
21	ON 145	EMPIRE SAILOR		BRITISH RENOWN BRITISH PROMISE	
26	SC 110		BARBERRYS		

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3. The following table lists the ships convoyed and the number sunk or unsuccessfully attacked while in or after leaving trans-Atlantic convoys during recent months, according to the latest available information:

	Ships Convoyed	Sunk		Unsuccessful Attacks	
		In Convoy	Ex Convoy	In Convoy	Ex Convoy
June	591	3	1	-	-
July	609	3	-	1	-
August	735	21	2	4	-
September	664	11	3	8	-
October	641	18	5	1	-
November	533	21	2	4	-

4. **WESTERN ATLANTIC, INCLUDING CARIBBEAN**

Losses and attacks in the Western Atlantic, including Caribbean, during November, on the basis of information received up to 2400, 30th November, took place in the following areas:-

	Sinkings			Unsuccessful Attacks		
	In Convoy	Un-Escorted	TOTAL	In Convoy	Un-Escorted	TOTAL
North of 40° N	11	2 (at anchor)	13	3	0	3
Trinidad & Eastward	1	11	12	0	2	2
Caribbean	7	0	7	1	2	3
TOTAL NORTH OF 0° AND WEST OF 40° W	19	13	32	4	4	8
Mid Ocean (North of 43° N, between 26° & 40° W)	11	1	12	2	1	3
T O T A L	30	14	44	6	5	11

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S E C R E T

N.S. 1048-47-5

WEEKLY MERCHANT SHIPPING CASUALTIES.
(North of the Equator and West of 40° W.)

No.46
For week ending
November 30,1942.

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(North of the Equator and West of 40° W.)

(A)	NAME	TONS	DATE	POSITION	DETAILS
907A	"TOWER GRANGE" (Br. cargo)	5226	0630Z Nov.18	06° 20'N 49° 10'W	Torpedoed and sunk.
908A	"TORTUGAS" (Nor.cargo)	4697	1930Z Nov.18	14° 00'N 54° 00'W	Torpedoed and sunk.
909A	"EMPIRE STARLING" (Br. cargo)	6060	2220Z Nov.21	13° 05'N 56° 20'W	Torpedoed and sunk.
910A	"APALOIDE" (Braz. cargo)	3766	2220Z Nov.22.	13° 11'N 54° 39'W	Torpedoed and presumed sunk.
911A	"EMPIRE GLADE" (Br. cargo)	7006	0900Z Nov.28	17° 16'N 48° 44'W	Shelled. No further information.
	TOTAL SUNK	19,749 tons	4 cargo,	0 tankers reported this week.	

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN MID-ATLANTIC.
(North of 43° N & West of 26° W and East of 40° W) -since Nov.1,1942.

912A	"ROXBY" (Br. cargo)	4252	Nov.7	49° 35'N 30° 32'W	Torpedoed and sunk. 12 survivors -34 lost.
	TOTAL SUNK	4,252 tons	1 cargo and 0 tankers reported this week.		

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

882A	"LINDEN HALL"	See report No.43 Nov.9.	Torpedoed twice and now confirmed sunk.
892A	Unidentified ship	See report No.44 Nov.16.	Report cancelled. Ship was "AZRA" #145B sunk in collision.
903A	"VERMONT"	See report No.45 Nov.23.	Attack cancelled.
904A	"BRITISH RENOWN"	See report No.45 Nov.23.	Reported torpedoed. Arrived Halifax Nov.22 with damage,
905A	"BRITISH PROMISE"	See report No.45 Nov.23.	Reported torpedoed. Arrived Halifax Nov.22 with damage.

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION SINCE JANUARY 12,1942.

(North of 0° and West 40° W)

JANUARY	23	Cargo &	16	Tankers	TOTAL 39	Ships	228,239 Tons
FEBRUARY	39		25		64		365,791
MARCH	43		37		80		483,779
APRIL	37		22		59		347,618
MAY	81		31		112		553,721
JUNE	86		22		108		535,792
JULY	48		7		55		228,866
AUGUST	39		13		52		274,994
SEPT.	38		5		43		196,275
OCT.	27		1		28		134,298
NOVEMBER	27		5		32		187,541
TOTAL	488	Cargo	184	Tankers	TOTAL 672	Ships	3,536,914 Tons

SUMMARY OF MERCHANT SHIPPING LOST IN CANADIAN COASTAL AREA (North 40° N & West 400 W) INCLUDED IN ABOVE.

JANUARY	10	Cargo &	10	Tankers	TOTAL 20	Ships	116,999 Tons
FEBRUARY	7		4		11		68,935
MARCH	4		2		6		40, 895
APRIL	6		0		6		27,684
MAY	5		1		6		24,406
JUNE	7		0		7		42,063
JULY	10		0		10		41,841
AUGUST	5		1		6		34,025
SEPT.	11		1		12		52,841
OCT.	11		1		12		58,332
NOVEMBER	12		1		13		73,859
TOTAL	88	Cargo	21	Tankers	TOTAL 109	Ships	581,880 Tons

SUMMARY OF MERCHANT SHIPPING LOSSES IN MID-ATLANTIC. (26° W to 40° W and North of 43° N)

FEBRUARY	1	Cargo &	1	Tankers	TOTAL 2	Ships	7,377 Tons
MAY	7		0		7		37,748
JUNE	3		0		3		23,440
AUGUST	20		0		20		100,483
SEPT.	3		2		5		32,960
OCTOBER	6		5		11		96,930
NOVEMBER (to 30th)	10		1		11		63,796
TOTAL	50	Cargo	9	Tankers	TOTAL 59	Ships	362,734 Tons

(B) SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES. (North of the Equator and West of 40°W)

150B	"DANIEL GETSON" (Pan. schooner)	343	Nov.14	22° 00'N 85° 00'W (approx)	Sank in storm. Crew saved.
151B	"BARBERRYS" (Br. cargo)	5170	Nov.25	50° 00'N 46° 00'W (approx)	Damaged by gale and proceeding to St. John's, Nfld.
152B	"BLAIRATHOLL" (Br. cargo)	3319	Nov.26	51° 25'N 48° 30'W	In collision with unknown vessel. Sinking ship. Crew abandoning.

TOTAL LOST 343 tons 1 cargo ship reported this week.

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FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

146B "LLANCARVAN"	See report No.44 Nov.16	Steering reported broken down. Arrived Sydney Nov. 18.	
149B "AUN"	See report No.45 Nov 23	Refloated and towed to Cornerbrook, Nfld.	

SUMMARY OF MERCHANT SHIPPING LOST DUE TO WEATHER GROUNDING AND COLLISION SINCE JANUARY 12/42

(North of 0° and West of 40° W)

JANUARY	2 Cargo &	0 Tankers	TOTAL	2 Ships	9,918 Tons
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPT.	1	0		1	4,539
OCT.	6	0		6	13,921
NOV. (to30th)	4	0		4	2,670
TOTAL	42 Cargo	1 Tanker	TOTAL	43 Ships	124,800 Tons

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Mr. W.L. Walker, Wash.
SBNOWAT, Bermuda.
COAC, Halifax.
COPC, Vancouver.
FONF, St. John's, Nfld.
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NOI/C, Saint John, NB.
NOI/C, Quebec, P.Q.
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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE) C180033

Ottawa, 11th December, 1942.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 162

REPORT NO. 100

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Week Ended 10th December 1942. Enlistments		Deductions from Strength		Total Strength as of 10th December, 1942		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	TOTAL
RCN	3	1	1	2	544	3,408	3,952
RCNR	4	6	1	9	914	4,944	5,858
RCNVR	40	203	0	41	4,022	37,665	41,687
TOTAL	47	210	2	52	5,480	46,017	51,497
LESS DIV. STR.					387	3,391	3,778
TOTAL ACTIVE SERVICE					5,093	42,626	47,719
WRCNS	1	27	-	-	28	558	586
TOTAL					5,121	43,184	48,305

B. PERSONNEL TURNOVER

RCN, RCNR, RCNVR.

	Week Ended 10th Dec. 1942			Period from 31st Aug. 1939 to 10th Dec. 1942		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments (Revised)	47	210	257	5,458	47,245	52,703
2. Deductions from Strength						
Discharges from Active Service.						
-Medically Unfit	0	20	20)	242	3,220	3,462
-Other Reasons	1	17	18)			
Discharges from Div. Str.	0	14	14	15	871	886
Casualties -						
Active Service	1	0	1	79	619	698
Other Deaths -	0	1	1	9	73	82
Total Deductions	2	52	54	345	4,783	5,128
3. Net Increase	45	158	203	5,113	42,462	47,575
4. Personnel at beginning of Period	5,435	45,859	51,294	367	3,555	3,922
5. PRESENT STRENGTH	5,480	46,017	51,497	5,480	46,017	51,497

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W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	29	559	588
Discharges to date	1	1	2
Present Strength	28	558	586

C. CASUALTIES:

Commander F.R.W.R. GOW, R.C.N. Missing, presumed dead.

George E.C. MOFFATT, Stoker 11, V902. Died 9.12.42.

Brice JACKSON, Stoker 11, V17704, Previously reported missing, now reported a survivor.

Midshipman Allan H. WILMOT, R.C.N. Previously reported interned in Algeria, now returned to Strength.

Paymaster Midshipman John H.M. COCKS, R.C.N. Previously reported interned in Algeria, now returned to Strength.

Total deaths to date are given in Section B.

	Officers	Ratings	TOTAL
Total Wounded or Injured to date	6	97	103
Prisoners of War	3	2	5

D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as at 8th December 1942.

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	87	1089	1176
Destroyers -			
- Tribals	25	303	328
- Rivers	59	806	865
- Towns	69	996	1065
Corvettes	430	5123	5553
Fairmiles	97	621	718
M.T.B.	1	5	6
Auxiliary Patrol Vessels		422	422
Patrol Boats	183	170	353
Fishermen's Reserve	4	421	425
Harbour Craft	10	274	284
Base Supply Ships	31	152	183
Aux. Tankers	5	48	53
Bangor M/S	344	3386	3730
Other M/S	46	398	444
Examination Vessels	36	172	208
Boom Attendant		9	9
Boom Maintenance	3	78	81
Looplayer	3	37	40
Gate Vessels	2	121	123
Tugs	17	173	190
Diving Boats		12	12
D.E.M.S.		192	192
Serving with R.N.	583	742	1325
TOTAL AFLOAT	2035	15750	17785

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ASHORE
(including WRCNS)

	Officers		Ratings		TOTAL
Stadacona	633		5721		6354
Cornwallis	270		3114		3384
Kings	301		150		451
Protector	86		646		732
Captor	47		237		284
Shelburne	29		205		234
Fort Ramsay	34		304		338
Chaleur	50		199		249
Hochelaga	36		215		251
St. Hyacinthe	39		871		910
		1525		11662	13187
Naden	218		3963		4181
Givenchy	151		954		1105
Royal Roads	22		145		167
Chatham	62		456		518
Vancouver	98		114		212
		551		5632	6183
Avalon	252		1995		2247
Bytown	421		504		925
Bytown Div. II	17		336		353
Niobe	56		530		586
R.C.N.V.R. Divisions	276		5729		6005
		1022		9094	10116
W/T Stations			344		
Ports and Shipyards			35		
D.E.M.S. Ashore			23		
				402	402
TOTAL ASHORE		3098		26790	29888

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax		7
Charlottetown	10	3
Saint John	9	5
Quebec	10	4
Montreal	40	114
Cartier	8	6
Ottawa	20	27
Kingston	6	9
Toronto	54	106
Hamilton	15	15
London	12	17
Windsor	9	8
Port Arthur	9	1
Winnipeg	14	9
Regina	10	
Saskatoon	11	2
Edmonton	11	3
Calgary	13	
Vancouver	15	10
Esquimalt		9
	276	365

(Certain small differences in the foregoing statistics are due to officers and men in transit, etc.)

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II. SHIPS

A. New Construction, week ended 9th December, 1942.

Launchings : 1 Frigate
Commissionings : 1 Destroyer (H.M.C.S. IROQUOIS)

B. Total Vessels in Commission, 9th December, 1942.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	321
	528

C. Escort Ships in Operation and Under Repair.

The following table shows the number of H.M.C. escort vessels and H.M. and Allied Ships operated by R.C.N. authorities which were in service during the past week.

	In Service	Working up	Boiler Cleaning or under Repair not over 7 days	Under refit or repairs over 7 days	Total
No. of escort Vessels	179.5	27.5	4	28	239
Percentage	75.2%	11.6%	1.5%	11.7%	100%

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 5th December, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 28th Nov.	Week Ended 5th Dec.
Canadian Coastal Convoys			
HS & SH	Halifax & Sydney	11	28
HJ & JH	Halifax & St. John's, Nfld.	2	6
HF & FH	Halifax & St. John, N.B.	14	13
SQ & QS	Sydney & Quebec	6	5
SB & BS	Sydney & Cornerbrook	5	2
LC & CL	Sydney & St. John's, Nfld.	-	8
BW & WB	Sydney & Wabana	41	8
SPAB	Sydney & Port aux Basques	5	6
LN & NL	Quebec & Labrador	-	-
JN & NJ	St. John's, Nfld. & Labrador	8	-
		92	76

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Short Title	Terminal Ports	Week Ended 28th Nov.	5th Dec.
	Brought Forward	92	76
Atlantic Convoys			
HX & SC	North America/U.K.	73	80
ON & ONS	U.K./North America	64	26
HON	Halifax/New York (Via ON)	-	1
		137	107
Caribbean Convoys			
NG & GN	New York & Guantanamo	113	86
	TOTAL	342	269

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	258,821	208,332
Atlantic Convoys	809,496	640,491
Caribbean Convoys	749,108	518,759
T O T A L	1,817,425	1,367,582

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

2. Trans-Atlantic Sailings from Canadian Ports

Twenty-nine ships, consisting of 8 British, 7 Norwegian, 5 Greek, 4 Dutch, 3 U.S., 1 Icelandic and 1 Yugo-Slav, sailed from Halifax on 6th December as the Canadian Section of a trans-Atlantic Convoy. Three ships, all British, similarly sailed from Halifax on 7th December. One ship was sailed independently for the U.K. during the week ended 9th December.

3. Escort Organisation

As very few, if any, ships are now sailing in S.S.C. Convoys, it has been decided to discontinue them after the sailing of S.C. 112. Vessels normally detached at SOMP are to be routed instead to Halifax.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report)

(a) Canadian Coastal Waters (Area N. of 40° N and W. of 40° W)

There are perhaps 6 or 7 U-boats patrolling within the area N. of 40° N and W. of 40° W, and three or four passing through these waters. There may also be a supply U-boat in this area refuelling operational U-boats.

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(b) Canada/U.K. Sea Lanes

1. Convoy O.N.S. 146

This convoy was badly scattered by a gale SE of Cape Race. SS "EMPIRE DABCHICK" was torpedoed at 0855Z/3. An escort was detached to search for her, but was unsuccessful. Due to the extremely bad weather, aircraft could not assist in this search.

2. Convoy H.X. 217

H.X. 217 was attacked on December 8th and S.S. "EMPIRE SPENSER" was torpedoed. 57 survivors were picked up and one crew member is missing. It was estimated that 6 U-boats took part in the attack.

3. The figures for losses sustained by North Atlantic mercantile convoys during recent months, on the basis of information received up to 2400 7th December, are as follows:-

	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December (to date)	99	-	-

(c) Western Atlantic including Caribbean (Area W of 40° W)

Sinkings by enemy action in the area W. of 40° W and North of the Equator during the last four weeks, on the basis of information received up to 2400 7th December and therefore subject to revision as later information is received, are as follows:-

Week Ended	Cargo Ships	Tankers	Total	Gross Tonnage
16th November	2	-	2	11,592
23rd November	6	-	6	33,207
30th November	4	-	4	22,630
7th December	3	-	3	17,834

iii. Counter-Attacks

Two attacks on U-boats were made on December 8th by aircraft in position approximately 300 miles SE of Cape Farewell (Greenland). The first attack was made on two U-boats at 1250 with D/C's and the second on one U-boat with cannon fire. No results have been received of either attack. Both of these attacks were in the vicinity of Convoy H.X. 217.

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iv. Marine Losses

1. Due to a very severe storm in the area of Newfoundland the Gulf of St. Lawrence and Nova Scotia, a number of casualties occurred.

2. The tug "ST. ANNE" was towing 2 scows to St. John's for Wabana, when the tow broke adrift and the scows grounded south of Louisburg C.B. H.M.C.S. "BRANDON", who was escorting "ST. ANNE", reports the scows as badly damaged and the gear unsalvageable by road.

3. S.S. "ASKILD" (Norwegian) ran aground near Cape Race. All but 2 members of the crew are safe.

4. The Tug "L.T. PORTER" grounded off Egmont Bay (S.W. coast P.E.I.) and the J.P. Porter Company has arranged to haul her off.

5. The U.S.S. Tug "BARRALLTON" reported that the 2 barges "LAKE ALLEN" and "LAKE LOUISE" which she was towing broke adrift off Cape Canso on December 2nd and 3rd. "LAKE ALLEN" grounded in St. Peters Bay. H.M.C.S. "CLAYOQUOT" is standing by "LAKE LOUISE" in position 195 miles east of Cape Canso but cannot take her in tow due to heavy weather. A tug has been despatched to assist her.

6. The Tug "PREVENTOR" reported that the 2000 ton barge "BALSAM LAKE" which she had in tow broke adrift on December 3rd. This barge has grounded south of Corner-brook and is considered a total loss. The crew were all landed safely.

7. U.S. Tug "BUTTERCUP" reported her tow of 2 barges, "LAKE CRYSTAL" and "LAKE HEMLOCK" adrift 4 miles off Cape St. Lawrence (N.W. Cape Breton) on December 4th. R.C.A.F. reported sighting "LAKE HEMLOCK" in position 165 miles east of Cape Canso on December 7th. "LAKE CRYSTAL" has not yet been located.

8, H.M.C.S. "QUINTE" has been beached near the canal in St. Peters Bay. Her stern is submerged and she is resting in soft mud. N.O.I/C Sydney reports that the salvage of "QUINTE" is beyond his resources and C.O.A.C. is arranging for Foundation Maritime to under-take salvage for delivery at Halifax.

9. A coil skid barge which was being towed from Halifax to Shelburne by "THUNDER" capsized. Efforts are being made to right it or else beach it.

10. S.S. "KING GRUFFYD" was in collision in Convoy S.C. 111 on December 1st and proceeded to Sydney C.B.

B. PACIFIC

1. 10 to 20 unidentified ships were reported west of San Diego at 0220/3 and a check revealed no friendly con-voy in this area. The U.S. Army and Navy were put on the alert. A later report revealed that this was in-correct and that only 3 friendly ships had been sighted.

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2. In the Aleutians, patrol over Agattu and Semichi Islands on 27th November was negative. A.A. fire was encountered over Agattu from the south beach of Holtz Bay. Subsequent patrols were negative with weather conditions preventing good observation. Reconnaissance on December 3rd was negative except for A.A. fire over Attu Island.

3. A Japanese W/T station has been located by D/F in the vicinity of Rat Islands. Two other stations are also operating in this area. On December 5th, a patrol plane searched Attu, Aruchitka and Kiska with negative results, except that a red blinker beacon was observed on the NE shore line of the eastern volcano on Kiska.

IV. WORKS

A. BOOM DEFENCE

A heavy storm during the week caused considerable damage to Net installations at Halifax.

At Gaspe, P.Q., the A/S Net has been weighed, and Nets and Gear stowed ashore for reconditioning during the winter months.

Visits were made to Fort Erie, Toronto, Port Colborne and Montreal, in connection with material inspections and problems in design.

The proposed A/T Baffles at Louisburg have been approved by the Naval Staff. Estimates and schedule of Stores have been drawn up in preparation for ordering materials.

B. DEFENSIVELY EQUIPPED MERCHANT SHIPPING

Inspections this week numbered 54, with Gun-Mounting being completed on two ships.

C. ANTI-SUBMARINE

In order to hasten the movement of vessels before the closing of the inland waterways, a number have been sent down river with their A/S gear not completely installed; A/S.A's and equipment has been made available in east coast ports to complete these ships on arrival.

Plans are now under way to regularize the system of procuring all A/S and E/S equipment in order that delays in ordering of gear may be minimized.

D. DEGAUSSING

Sufficient steel shafting is being obtained from Canadian Westinghouse Limited for the first six sets of motor generator sets for future degaussing installations, being manufactured by Wagner Electric Corporation of Toronto.

Degaussing equipment being supplied for the 4,700-ton Cargo Vessels is being inspected by the Inspection Board of the United Kingdom and Canada.

Work in connection with the establishment of a Deperming Unit on the West Coast is well under way at the present time.

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The Naval Member of Canadian Joint Staff, Washington, has been requested to obtain if possible three ampere turn meters from the United States Navy, for use at Canadian Degaussing Ranges.

It has been decided to refit the Suderoy Class "LL" Minesweepers with an efficient internal D.G. coil system and work in this connection will be started as soon as possible.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $488,784.73.

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Prime Minister (2 copies)
Secretary, Cabinet War Committee
Military Secretary (for Minister of N.D.)
C.A.S.
C.G.S.
C.G.S. (for Director of Historical Section)
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S E C R E T

N.S. 1048-47-5

WEEKLY MERCHANT SHIPPING CASUALTIES.

No. 47
For week ending
December 7, 1942.

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION
(North of the Equator and West of 40° W)

(A)

913A	"BARBERRYS" (Br.Cargo)	5170	1830Z Nov.26	51°N 47°W (Approx.)	Damaged by gale (see report No. 46, Nov.30 - #151B). Later torpedoed and sunk while straggling. 21 survivors - 32 missing.
914A	"CLAN MACFADYEN" (Br.Cargo)	6191	2315Z Nov.26	09° 00'N 59° 50'W	Torpedoed & sunk. 10 survivors - 82 missing.
915A	"EMPIRE CROMWELL" (Br.Cargo)	5970	0150Z Nov.28	09° 00'N 58° 30'W	Torpedoed & sunk. 25 survivors - 24 missing.
916A	"TREVALGAN" (Br.Cargo)	5299	2306Z Nov.30	09° 40'N 59° 15'W	Torpedoed twice & sunk. Entire crew saved
917A	"CITY OF BATH" (Br.Cargo)	5079	0110Z Dec.2	09° 50'N 59° 25'W	Torpedoed and sunk. Master & 75 survivors landed Trinidad - 6 believed missing.
918A	"EMPIRE DABCHICK" (Br.Cargo)	6089	0855Z Dec.3	43° 00'N 58° 17'W	Torpedoed while straggling. No further information.
919A	"PETER MAERSK" (Br.Cargo)	5476	0247Z Dec.7	39° 47'N 41° 00'W	Torpedoed. No further information.

TOTAL SUNK 27,709 tons - 5 cargo, 0 tankers reported this week.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

920A	"DALHOUSIE" (Br.Cargo)	7072	Due Trinidad Aug. 21 from Capetown.	Overdue & presumed lost.
921A	"ROUMANIE" (Belg.Cargo)	3563	Due Loch Ewe Sept.29 from Halifax	Unreported & presumed lost.
922A	"NEWTON PINE" (Br.Cargo)	4212	Due Halifax Oct.7 from U.K.	Overdue & presumed lost.
923A	"AEGEUS" (Gr.Cargo)	4538	Sailed Trinidad Oct.9 for Saldanha Bay.	Overdue & presumed lost.
924A	"EMPIRE TURNSTONE" (Br.Cargo)	6113	Due New York Oct.26 from U.K.	Overdue & presumed lost.

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925A	"LIFLAND" (Br.Cargo)	2254	Due Belfast Nov.7 from Sydney, N.S.	Overdue & presumed lost.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

859A	"PRIMERO"	See report No. 42. Nov. 2	Reported torpedoed twice now presumed sunk. Master & 36 survivors landed Trinidad Oct.31 - 2 missing.
881A	"NATHANIEL HAWTHORNE"	See report No. 43. Nov.9	Reported torpedoed and now confirmed sunk.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION SINCE JANUARY 12, 1942.

(North of the equator and West 40° W)

JANUARY	23 Cargo &	16 Tankers	TOTAL 39 Ships	228,239	Tons
FEBRUARY	39	25	64	365,791	
MARCH	43	37	80	483,779	
APRIL	37	22	59	347,618	
MAY	81	31	112	553,721	
JUNE	86	22	108	535,792	
JULY	48	7	55	228,866	
AUGUST	40	13	53	282,066	
SEPT.	38	5	43	196,275	
OCT.	30	1	31	146,334	
NOVEMBER	32	5	37	217,617	
DECEMBER (to 7th.	1	0	1	5,079	
TOTAL	498	184	682	3,590,907	

SUMMARY OF MERCHANT SHIPPING LOST IN CANADIAN COASTAL AREA INCLUDED IN ABOVE.

(North 40° N & West 40° W)

JANUARY	10 Cargo &	10 Tankers	TOTAL 20 Ships	116,999	Tons
FEBRUARY	7	4	11	68,935	
MARCH	4	2	6	40,895	
APRIL	6	0	6	27,684	
MAY	5	1	6	24,406	
JUNE	7	0	7	42,063	
JULY	10	0	10	41,841	
AUGUST	5	1	6	34,025	
SEPT.	11	1	12	52,841	
OCT.	12	1	13	61,416	
NOVEMBER	13	1	14	79,049	
TOTAL	90 Cargo	21 Tankers	TOTAL 111 Ships	590,134	Tons

SUMMARY OF MERCHANT SHIPPING LOSSES IN MID-ATLANTIC.

(26° W to 40° W and North of 43° N)

FEBRUARY	1 Cargo &	1 Tankers	TOTAL 2 Ships	7,377	Tons
MAY	7	0	7	37,748	
JUNE	3	0	3	23,440	
AUGUST	20	0	20	100,483	
SEPT.	4	2	6	36,523	
OCTOBER	8	6	14	120,561	
NOVEMBER (to 30th)	11	1	12	66,050	
TOTAL	54 Cargo	10 Tankers	TOTAL 64 Ships	392,182	Tons

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SHIPPING IN DISTRESS DUE TO GROUNDING COLLISION AND OTHER MARINE CAUSES. (North of the Equator & West of 40° W)

(B) 153B	"KING GRUFFYDD" (Br.Cargo)	5072	2139Z Dec.1	44° 31' N 57° 31' W	In collision with unknown ship. Arrived Sydney, N.S. under own power.
154B	"INTREPIDO" (Pan.Cargo)	2310	Dec.2	40° 15' N 73° 45' W	In collision with "IOANNIS P. GOULANDRIS"
155B	"IOANNIS P. GOULANDRIS"	3750	Dec.2	40° 15' N 73° 45' W	Sunk in collision with "INTREPIDO".
156B	"L.T. PORTER" (Can.tug) .	108	Dec.3	46° 33' N 64° 08' W	Aground off Egmont Bay, P.E.I.
157B	"LAKE LOUISE" (Am.barge)	2023	1300Z Dec.3	45° 20' N 58° 38' W (approx)	Broke adrift from tow in storm. Still adrift at last reports with escort standing by.
158B	"LAKE ALLEN" (Am.barge)	2015	1300Z Dec.3	45° 32' N 60° 35' W	Broke adrift from tow in storm. Ran aground and presumed total loss.
159B	"BALSAM LAKE" (Br.barge)	2000	1600Z Dec.3	48° 35' N 59° 20' W	Broke adrift from tow in heavy weather. Washed ashore 1730Z Dec.4 Probable total loss.
160B	"ASKILD" (Nor.Cargo)	1930	Dec.4	46° 40' N 53° 04' W (approx)	Aground & wrecked at Chance Cove, Nfld. Probable total loss. 27 survivors - 2 lost.
161B	"LAKE CRYSTAL" (Am.barge(	2016	2200Z Dec.4	47° 03' N 60° 36' W	Broke adrift from tow. Searchers have not yet made contact.
162B	"LAKE HEMLOCK" (Am.barge)	2016	2200Z Dec.4	47° 03' N 60° 36' W	Broke adrift from tow Searchers have not yet made contact.

TOTAL LOST 9,695 Tons - 4 Cargo, 0 Tankers reported this week.

SUMMARY OF MERCHANT SHIPPING LOST DUE TO WEATHER GROUNDING AND COLLISION SINCE JANUARY 1/42

(North of the Equator and West of 40° W)

JANUARY	2 Cargo &	0 Tankers	TOTAL	2 Ships	9,918 Tons
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPT.	1	0		1	4,539
OCT.	6	0		6	13,921
NOV.	4	0		4	2,670
DEC.(to 7th)	4	0		4	9,695
TOTAL	46 Cargo	1 Tanker	TOTAL	47 Ships	134,495 Tons

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ATTACKS ON TRANS-ATLANTIC CONVOYS

The following ships were attacked, damaged or sunk by enemy action against trans-Atlantic convoys during the first week of December.

		Ships Sunk		Attacked but not known Sunk	
Date	Convoy	In Convoy At time of Attack	Ex Convoy At time of Attack	In Convoy At time of Attack	Ex Convoy At time of Attack
Dec.					
3	ONS. 146			EMPIRE DABCHICK	
7	ON 149				PETER MAERSK
8	HX 217			EMPIRE SPENSER	

The following table lists the ships convoyed and the number sunk or unsuccessfully attacked while in or after leaving trans-Atlantic convoys during recent months, according to the latest available information:

		Sunk		Unsuccessful Attacks	
	Ships Convoyed	In Convoy	Ex Convoy	In Convoy	Ex Convoy
June	591	3	1	-	-
July	609	3	-	1	-
August	735	21	2	4	-
September	664	11	3	8	-
October	641	18	5	1	-
November	533	21	2	4	-
Dec. (to date)	99	-	-	2	1

ATTACKS IN WESTERN ATLANTIC, INCLUDING CARIBBEAN

Losses and attacks in the Western Atlantic, including Caribbean, during November, on the basis of information received up to 2400 7th December, took place in the following areas:-

	Sinkings			Unsuccessful Attacks		
	In Convoy	Un-Escorted	TOTAL	In Convoy	Un-Escorted	TOTAL
North of 40° N	12	2 (at anchor)	14	3	0	3
Trinidad & Eastward	1	14	15	0	2	2
Caribbean	8	0	8	0	2	2
TOTAL NORTH OF 0° AND WEST OF 40°W	21	16	37	3	4	7
Mid Ocean (North of 43° N, between 26° & 40° W)	11	1	12	2	1	3
T O T A L	32	17	49	5	5	10

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Losses from 1st to 7th December, on the basis of information received up to 2400 7th December, were one ship, "CITY OF BATH", torpedoed and sunk East of Trinidad, and two torpedoed but not yet confirmed sunk - "PETER MAERSK" north of Bermuda and "EMPIRE DABCHICK" off Sable Island.

Average losses by weeks north of 0° and West of 40° W are as follows;

(A) Since Jan, 12th, 1942
14.2 Ships per week
5,265 Tons per ship
74,809 Tons per week

(B) During past 10 weeks
7 Ships per week
5,343 Tons per ship
37,403 Tons per week

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N.S. 1000-5-19

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 18th December, 1942.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 163

REPORT NO. 101

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Period Ended 12th December, 1942.

	Enlistments		Deductions from Strength		Adjustments		Total Strength as of 12th December, 1942.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	1	0	1	0	0	0	544	3408	3952
RCNR	0	0	1	3	0	0	913	4943	5856
RCNVR	5	178	1	10	-2	2	4026	37831	41857
TOTAL	6	178	3	13	-2	2	5483	46182	51665
LESS DIV. STRENGTH							392	3531	3923
TOTAL ACTIVE SERVICE							5091	42651	47742
WRCNS	0	33	0	0	0	0	28	591	619
TOTAL							5119	43242	48361

B. CASUALTIES:

Sub-Lieut. Reginald Lloyd ROSS, R.C.N.V.R. -- Missing presumed killed on Active Service.

Lieut. (E) Harold Lyne PURCELL, R.C.N.R.--Died (Natural Causes) on 21st November, 1942.

Total deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	6	97	103
Prisoners of War	3	2	5

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Period Ended 12th Dec. 1942.			Period from 31st Aug. 1939 to 12th Dec. 1942		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	6	178	184	4,606	48,242	52,848
	Promotions from Lower Deck	2	--	2	860	----	860
	Adjustments	-2	2	0	-2	7	5
		6	180	186	5,464	48,249	53,713
2.	Deductions from Strength						
	Discharges from Active Service.						
	- Promotions	0	2	2	0	860	860
	- Medically Unfit	1	1	2	243	3,195	3,438
	- Other Reasons	0	7	7			
	Discharges from Div. Str.	0	5	5	15	876	891
	Casualties						
	Active Service	1	0	1	80	618	698
	Other Deaths	1	0	1	10	73	83
	Total Deductions	3	15	18	348	5,622	5,970
3.	Net Increase	3	165	168	5,116	42,627	47,743
4.	Personnel at beginning of Period	5,480	46,017	51,497	367	3,555	3,922
5.	PRESENT SIRENGTH	5,483	46,182	51,665	5,483	46,182	51,665

W.R.C.N.S.	Officers	Ratings	Total
Enlistments to date	5	616	621
Promotions from Lower Deck	24	-24	-
	29	592	621
Discharge to date	1	1	2
PRESENT STRENGTH	28	591	619

D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as at 12th Dec. 1942.

AFLOAT

	Officers		Ratings		TOTAL
Aux. Cruisers	88		1021		1109
Destroyers -					
- Tribals	25		302		327
- Rivers	58		821		879
- Towns	69		992		1061
Corvettes	433		5137		5570
Fairmiles	96		627		723
M.T.B.	1		8		9
Auxiliary Patrol Vessels			423		423
Patrol Boats	182		265		447
Fishermen's Reserve	4		423		427
Harbour Craft	10		287		297
Base Supply Ships	31		142		173
Aux. Tankers	5		51		56
		1002		10499	11501

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AFLOAT (Continued)

	Officers	Ratings	TOTAL
Brought Forward	1002	10499	11501
Bangor M/S	341	3387	3728
Other M/S	46	328	374
Examination Vessels	36	157	193
Boom Attendant		9	9
Boom Maintenance	3	57	60
Looplayer	3	37	40
Gate Vessels	2	163	165
Tugs	17	172	189
Diving Boats		12	12
D.E.M.S.		198	198
Serving with R.N.	583	723	1306
	1031	5243	6274
TOTAL AFLOAT	2033	15742	17775

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	644	6098	6742
Cornwallis	261	2681	2942
Kings	301	167	468
Protector	86	649	735
Captor	47	219	266
Shelburne	29	213	242
Fort Ramsay	34	291	325
Chaleur	50	220	270
Hochelaga	37	192	229
St. Hyacinthe	39	886	925
	1528	11616	13144
Naden	217	4213	4430
Givenchy	155	991	1146
Royal Roads	22	142	164
Chatham	61	470	531
Vancouver	94	131	225
	549	5947	6496
Avalon	261	2098	2359
Bytown	418	493	911
Bytown Div. II	15	352	367
Niobe	55	546	601
R.C.N.V.R. Divisions	278	5906	6184
	1027	9395	10422
Signal Stations		356	
Ports and Shipyards		95	
D.E.M.S. Ashore		26	
		477	477
TOTAL ASHORE	3104	27435	30539

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R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax		7
Charlottetown	10	3
Saint John	9	5
Quebec	10	4
Montreal	42	112
Cartier	8	16
Ottawa	20	27
Kingston	6	9
Toronto	54	106
Hamilton	15	15
London	12	17
Windsor	9	8
Port Arthur	9	1
Winnipeg	14	9
Regina	10	
Saskatoon	11	2
Edmonton	11	3
Calgary	13	
Vancouver	15	10
Esquimalt		9
	278	363

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

II. SHIPS

A. New Construction, week ended 16th December, 1942.

Launchings : Nil
Commissionings : Nil

B. Total Vessels in Commission, 16th December, 1942.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	321
	528

C. Escort Ships in Operation and Under Repair.

The following table shows the number of H.M.C. escort vessels and H.M. and Allied ships operated by R.C.N. Authorities which were in service during the past week.

	In Service	Working up	Boiler Cleaning or under Repairs not over 7 days	Under refit or repairs over 7 days	Total
No. of Escort Vessels	173.3	24.8	8	29.2	235.5
Percentage	73.5%	10.5%	3.5%	12.4%	100%

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III. OPERATIONS

A. ATLANTIC

1. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 12th December, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 5th Dec. (Revised)		Week Ended 12th Dec.	
Canadian Coastal Convoys					
HS & SH	Halifax & Sydney	28		20	
HJ & JH	Halifax & St. John's, Nfld.	6		2	
HF & FH	Halifax & St. John, N.B.	13		19	
SQ & QS	Sydney & Quebec	5		-	
SB & BS	Sydney & Cornerbrook	2		-	
LC & CL	Sydney & St. John's, Nfld.	8		13	
BW & WB	Sydney & Wabana	8		9	
SPAB	Sydney & Port aux Basques	6		6	
LN & NL	Quebec & Labrador	-		-	
JN & NJ	St. John's, Nfld./Labrador	-	76	9	78
Atlantic Convoys					
HX & SC	North America/U.K.	80		89	
ON & ONS	U.K./North America	63		58	
HON	Halifax/New York (Via ON)	1		-	
			144		147
Caribbean Convoys					
NG & GN	New York & Guantanamo		86		81
	TOTAL		306		306

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	208,332	271,697
Atlantic Convoys	911,927	816,906
Caribbean Convoys	518,759	490,393
TOTAL	1,639,018	1,578,996

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

2. Trans-Atlantic Sailings from Canadian Ports

Eight ships, consisting of 4 British, 2 Norwegian, 1 Dutch and 1 Greek, sailed from Halifax on 15th December as the Canadian Section of a trans-Atlantic Convoy. No ships were sailed independently for the U.K. during the week ended 16th December.

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3. A Bangor Minesweeper is being transferred at an early date from the Gulf Escort Force to protect the Tormentine, N.B. - Borden, P.E.I. Ferry. This escort will continue until the close of navigation.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters (Area N of 40° N and W of 40° W)

There are about 7 U-boats patrolling within the area N. of 40° N and W. of 40° W, and several others are passing through these waters.

(b) Canada/U.K. Sea Lanes

1. Convoy HX 217

Further details have been received regarding Convoy HX 217, which fought its way through large U-boat concentrations with a loss of only two ships. On 7th December, a Liberator aircraft from Iceland was in company with the convoy for 6 hours, and on the 8th, another was in company for 8 hours, with two more aircraft conducting sweeps in front of the convoy for 2 hours. These aircraft forced the U-boats to remain submerged, and one of the Liberators carried out 7 attacks, one of which was very promising. In consequence, only one ship was lost during this period. On the 9th there was no air protection, and one ship was sunk, while about 14 further attacks were made by U-boats during the night although all were successfully beaten off by surface escorts, several of the counter-attacks being promising. On the following day, a very promising attack was made by a U.S. P.B.Y. aircraft from Iceland on a U-boat in the vicinity of the convoy, producing corpses, debris and much oil.

2. Convoy HX 218

This convoy has been shadowed and U-boats have been attacked by both surface escort and aircraft; so far, no ships in this convoy have been torpedoed.

3. Convoy ON 152

U-boats were reported in the vicinity of Convoy ON 152 on 16th December, but to date no attacks have been reported.

4. Convoy ON 153

This convoy was attacked during the nights of 15th/16th and 16th/17th December. According to preliminary reports, one R.N. escorting destroyer and several merchant ships have been sunk. Despite the ubiquity of U-boats, no ships in trans-Atlantic Convoys were reported torpedoed between 9th December and the attack on Convoy ON 153 during the night of 15th/16th December.

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5. The figures for losses sustained by North Atlantic Mercantile Convoys during recent months, on the basis of information received up to 2400 14th December, are as follows:-

	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December (to 14th)	332	2	0.6

(c) Western Atlantic including Caribbean (Area W. of 40° W)

Sinkings by enemy action in the area W. of 40° W and North of the Equator during the last four weeks, on the basis of information received up to 2400 14th December and therefore subject to revision as later information is received, are as follows:

Week Ended	Cargo Ships	Tankers	Total	Gross Tonnage
23rd November	7	0	7	39,688
30th November	4	0	4	22,630
7th December	3	0	3	14,617
14th December	1	0	1	5,423

iii. Marine Losses

1. H.M.C.S. "MILLTOWN" succeeded in floating "Q.082" on 11th December and towed her to Pictou where she was docked for examination.

2. The Barge "LAKE CRYSTAL", previously reported adrift, grounded between Big and Little Miquelon Islands and has been refloated. "LAKE HEMLOCK" was towed into St. Pierre by a French tug.

3. S.S. "BACKBAY" ran aground on Escuiminac Point (N.W. end Northumberland Strait) on 11th December.

4. The tug "L.T. PORTER" which grounded off Egmont Bay (S.W. Coast P.E.I.) has been abandoned as a total loss.

5. C.G.S. Icebreaker "SAUREL" grounded in the entrance to Port Aux Basques on 10th December and has been refloated.

6. The barge "J.E. BOYLE" in tow of the tug "SARNIA CITY" enroute Halifax broke adrift between Egg Island and Sambro Island on 15th December. The crew is still aboard.

B. ALEUTIANS

Patrols of the Aleutians up to 7th December were negative except for 2 unidentified planes which were sighted, one on 5th December and one on 6th December. Reconnaissance

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on 7th December revealed 1 power barge west of Trout Lagoon, Kiska Harbour, moving between a cargo ship and shore. Bomber missions to Kiska and Attu on 8th and 9th December were forced to return due to weather. Patrol over Agattu, Amchitka and Semichi Islands on 8th December was negative. A patrol over Attu was pursued by enemy aircraft, but returned safely. An unidentified U-boat was sighted off Semisopochnoi Island on 8th December.

IV. WORKS

A. BOOM DEFENCE

Considerable damage was made to the A/S Net Installations at Halifax by a severe storm. Repairs which have not already been made will be completed when the weather permits. This storm also damaged the installations at Gaspe and Shelburne; repairs are proceeding where possible.

At Prince Rupert tests and inspection of the Signal mechanism at the Boom were carried out and a new type of flare and grenade were found to be satisfactory.

The Inspector of Booms, East Coast, has carried out a survey of the proposed site for A/S Net installations in the Gut of Canso.

B. DEFENSIVELY EQUIPPED MERCHANT SHIPPING

Inspections this week numbered fifty-five, with gun-mounting being completed on four ships, and four others are in hand for arming.

C. ANTI-SUBMARINE

Proposals under consideration:

(1) To relieve H.S.D's of maintenance at sea and to train and supply "electrical technicians" for maintenance of electrical gear - A/S, E/S and S/A apparatus.

(2) To give partial A/S operating training to a number of ratings in each ship in excess of normal A/S complement.

First trials of electrical A/S target were promising and action is being taken by N.R.C. to produce such targets.

An A/S projects section is being set up, to work in conjunction with D.Org, to expedite the handling of major A/S commitments.

D. TECHNICAL

Delivery of equipment for one complete Diffusion Lighting installation is expected 21st December, 1942.

Admiralty will supply 28 complete sets Mark VI Impulse gear for Algerine Minesweepers.

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Further tests will be carried out during current week on 50' Baldwin-Hydrofail Target.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $203,048.24.

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Report of Department of National Defence

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
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S E C R E T N.S. 1048-47-5

WEEKLY MERCHANT SHIPPING CASUALTIES.

No. 48.
For week ending
December 14, 1942.

(A)
SHIPPING ATTACKED, DAMAGED OR SUNK DUE TO ENEMY ACTION.
(North of the Equator and West of 40°W)

	NAME	TONS	TIME	POSITION	DETAILS
926A	"BINTANG" (Dutch cargo)	6481	0830Z Nov.21	10° 30'N 51° 00°W	Torpedoed and sunk 22 survivors landed.
927A	"SOLON II" (Br. cargo)	4561	2330Z Dec.2.	07° 45'N 56° 30'W	Torpedoed and sunk.
928A	"BESHOLT" (Nor. cargo)	4977	Dec.2.	En route Lobito to Trinidad.	Sunk, presumed enemy action.
929A	"CERAMIC" (Br. cargo)	18713	Dec.7.	40° 30'N 40° 20'W (approx)	Torpedoed, no further information.
930A	"NIGERIAN" (Br. cargo)	5423	1110Z Dec.8.	08° 32'N 57° 54'W	Torpedoed and sunk 47 survivors landed.
	TOTAL SUNK	21,442 tons		4 cargo ships reported this week.	

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

931A	"EL LAGO" (Pan. cargo)	4219	Due New York Oct.27 from Reykjavik, (Oct.5)		Overdue, presumed lost.

SHIPPING ATTACKED DAMAGED OR SUNK BY ENEMY ACTION IN MID-ATLANTIC.
(North of 43° N, West of 26°W and East of 40°W)

932A	"GLENLEA" (Br. cargo)	4252	Nov.7.	50° 00'N 30° 00'W	Torpedoed and sunk 3 survivors landed at New York.
933A	"EMPIRE SPENSER" (Br. tanker)	8194	0127Z Dec.8.	57° 00'N 27° 06'W	Torpedoed and sunk, 57 survivors, 1 missing.
934A	"CHARLES L. (Br. cargo)	D!5273	0815Z Dec.9.	58° 59'N 29° 31'W	Torpedoed and sunk.
		17,719 tons		2 cargo, 1 tanker reported this week.	

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FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

911A "EMPIRE GLADE" See report #46 Nov.30th. Shelled by submarine Nov.28. Arrived Charleston Dec.7th, 1 killed, 5 wounded.

Total shipping reported sunk in West and Mid-Atlantic this week;
7 cargo, 1 tanker 43, 380 tons.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION SINCE JANUARY 12.1942.
(North of the equator and West of 40° W)

JANUARY	23 Cargo &	16 Tankers	TOTAL 39 Ships	228,239	Tons
FEBRUARY	39	25	64	365,791	
MARCH	43	37	80	483,779	
APRIL	37	22	59	347,618	
MAY	81	31	112	553,721	
JUNE	86	22	108	535,792	
JULY	48	7	55	228,866	
AUGUST	40	13	53	282,066	
SEPT.	38	5	43	196,275	
OCT.	30	1	31	146,334	
NOVEMBER	33	5	38	223,828	
DECEMBER (to 14th)	4	0	4	20,040	
TOTAL	502 Cargo	184 Tankers	TOTAL 686 Ships	3,612,349	Tons.

SUMMARY OF MERCHANT SHIPPING LOST IN CANADIAN COASTAL AREA INCLUDED IN ABOVE.
(North of 40° N & West of 40°W)

JANUARY	10 Cargo &	10 Tankers	TOTAL 20 Ships	116,999	Tons
FEBRUARY	7	4	11	68,935	
MARCH	4	2	6	40,895	
APRIL	6	0	6	27,684	
MAY	5	1	6	24,406	
JUNE	7	0	7	42,063	
JULY	10	0	10	41,841	
AUGUST	5	1	6	34,025	
SEPT.	11	1	12	52,841	
OCT.	12	1	13	61,416	
NOVEMBER	13	1	14	79,049	
DECEMBER (to 14th)	0	0	0	0,000	
TOTAL	90 Cargo	21 Tankers	TOTAL 111 Ships	590,134	Tons.

SUMMARY OF MERCHANT SHIPPING LOSSES IN MID-ATLANTIC.
(26° W to 40° W and North of 43° N)

FEBRUARY	1 Cargo &	1 Tankers	TOTAL 2 Ships	7,377	Tons.
MAY	7	0	7	37,748	
JUNE	3	0	3	23,440	
AUGUST	20	0	20	100,483	
SEPT.	4	2	6	36,523	
OCTOBER	9	6	15	124,780	
NOVEMBER	12	1	13	70,302	
DECEMBER (to 14th)	1	1	2	13,467	
TOTAL	57 Cargo	11 Tankers	TOTAL 68 Ships	414,120	Tons.

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

163B	"EMPIRE SPEY" (British cargo)	4291	Dec.8	55° 00'N 30° 00'W (approx)	In collision and damaged.
164B	"SAUREL" (Canadian Icebreaker)	1176	0630Z Dec.11.	47° 33'N 59° 07'W	Aground at Port Aux Basques but refloated.
165B	"MARY and JULIA" (U.S. schooner)	98	Dec.12	43° 22'N 65° 02'W	Disabled and adrift. Made port later under her own power.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

148B	"NATHANIEL ALEXANDER"	See report #45 Nov.23.	Reported aground Nov 19. Sld Key West Nov.20th undamaged.
152B	"BLAIRATHOLL"	See report #46 Nov.30.	In collision Nov.26 foundered en route to St. John's, Nfld., Nov.27th.
157B	"LAKE LOUISE"	See report #47 Dec.7th.	Broke adrift Dec.3. Arrived Louisburg in tow Dec.12th, en route Cornerbrook.
161B	"LAKE CRYSTAL"	See report #47 Dec.7th.	Broke adrift Dec.4 ran aground on Miquelon Island. Salved Dec.13.
162B	"LAKE HEMLOCK"	See report #47 Dec.7th.	Broke adrift Dec.4 reached St. Pierre Harbour. To be towed to Sydney.

SUMMARY OF MERCHANT SHIPPING LOST DUE TO WEATHER, GROUNDING AND COLLISION SINCE JANUARY 12, 1942.

(North of the Equator and West of 40° W)

JANUARY	2 Cargo &	0 Tankers	TOTAL 2 Ships	9,918 Tons.
FEBRUARY	4	1	5	22,145
MARCH	3	0	3	11,701
APRIL	5	0	5	17,731
MAY	5	0	5	17,840
JUNE	4	0	4	5,660
JULY	5	0	5	11,393
AUGUST	3	0	3	7,282
SEPT.	1	0	1	4,539
OCT.	6	0	6	13,921
NOV.	5	0	5	5,989
DEC.(to 14th)	4	0	4	9,695
TOTAL	47 Cargo	1 Tanker	TOTAL 48 Ships	137,814 Tons.

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ATTACKS FOR TRANS-ATLANTIC CONVOYS.

The following ships were attacked, damaged or sunk by enemy action against trans-atlantic convoys during the first two weeks of December.

		SHIPS SUNK.		SHIPS ATTACKED BUT NOT KNOWN SUNK.	
DATE	CONVOY	IN CONVOY at time of attack	EX CONVOY	IN CONVOY at time of attack.	EX CONVOY
Dec.3.	ONS 146			"EMPIRE DABCHICH"	
Dec.7.	ON 149				"PETER MAERSK".
Dec,8,	HX 217	"EMPIRE SPENSER"			
Dec.9.		"CHARLES L.D".			

The following table lists the ships convoyed and the number attacked while in or after leaving trans-atlantic convoys during recent months.

	Ships Comvoyed.	Ships sunk in convoy	Ships sunk ex convoy	Unsuccessful attacks. In convoy	Unsuccessful attacks. Ex convoy
AUGUST	735	21	2	4	-
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER (to date)	332	2	0	1	2

ATTACKS IN WESTERN ATLANTIC.
(West of 40°W, including Caribbean)

Attacks on shipping during the first two weeks of December, according to information received up to 2400 Dec.7th, were distributed as follows;

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	Total	In convoy	Unescorted	Total
North of 40°N	-	-	-	1	1	2
Bermuda Area	-	-	-	-	1	1
East of Trinidad	-	4	4	-	-	-
TOTAL		4	4	1	2	3

AVERAGE SHIPPING LOSSES IN WESTERN ATLANTIC.

Since January 12,1942.	For 10 weeks ending Dec.14,1942.
14.3 ships per week.	6.6 ships per week.
5,266 tons per ship.	5,491 tons per week.
75,257 tons per ship.	36,243 tons per week.

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 25th December, 1942.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 164

REPORT NO. 102

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Week Ended 19th December, 1942. Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 19th December, 1942.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	4	0	0	4	1	4	549	3408	3957
RCNR	1	7	0	4	0	1	914	4947	5861
RCNVR	36	376	2	45	9	-15	4069	38147	42216
TOTAL	41	383	2	53	10	-10	5532	46502	52034
LESS DIV. STRENGTH							426	3417	3843
TOTAL ACTIVE SERVICE							5106	43085	48191
WRCNS	1	94	0	1	11	-11	40	673	713
GRAND TOTAL	42	477	2	54	21	-21	5146	43758	48904

B. CASUALTIES:

16 Ratings accidentally killed, 6 ratings missing and 20 ratings injured as result of fire in St. John's, Newfoundland, on 12-12-42.

Total deaths to date are given in Section C.

	Officers	Ratings	TOTAL
Total Wounded or Injured to date	6	117	123
Prisoners of War	3	2	5

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 19th Dec. 1942			Period from 31st Aug. 1939 to 19th Dec. 1942		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	41	383	424	4,645	48,632	53,277
Promotions from Lower Deck	10	-	10	870	-	870
	51	383	434	5,515	48,632	54,147
2. Deductions from Strength						
Discharges from Active Service.						
-Promotions	-	10	10	-	870	870
-Medically Unfit	0	11	11	245	3,215	3,460
-Other Reasons	2	9	11			
Dischargers from Div. Str.	0	11	11	15	887	902
Casualties:						
Active Service	0	22	22	80	640	720
Other Deaths	0	0	0	10	73	83
Total Deductions	2	63	65	350	5,685	6,035
3. Net Increase	49	320	369	5,165	42,947	48,112
4. Personnel at Beginning of Period	5,483	46,182	51,665	367	3,555	3,922
5. PRESENT STRENGTH	5,532	46,502	52,034	5,532	46,502	52,034

W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	6	710	716
Promotions from Lower Deck	35	-35	-
	41	675	716
Discharges to date	1	2	3
PRESENT STRENGTH	40	673	713

D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as at 19th Dec. 1942

	AFLOAT			
	Officers	Ratings	TOTAL	
Aux. Cruisers	84	1053	1137	
Destroyers -				
- Tribals	27	363	390	
- Rivers	64	838	902	
- Towns	57	1020	1077	
Corvettes	420	5190	5610	
Fairmiles	83	632	715	
M.T.B.	1	7	8	
Auxiliary Patrol Vessels		470	470	
Patrol Boats	167	271	438	
Fishermen's Reserve	4	425	429	
Harbour Craft	10	284	294	
Base Supply Ships	33	160	193	
Aux. Tankers	5	52	57	
	955	10765	11720	

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AFLOAT (Continued)

	Officers	Ratings	TOTAL
Brought Forward	955	10765	11720
Bangor M/S	337	3328	3665
Other M/S	43	325	368
Examination Vessels	35	146	181
Boom Attendant		9	9
Boom Maintenance	3	78	81
Looplayer	3	38	41
Gate Vessels	2	152	154
Tugs	18	163	181
Diving Boats		12	12
D.E.M.S.		198	198
Serving with R.N.	561	791	1352
TOTAL AFLOAT	1957	16005	17962

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	647	5753	6400
Cornwallis	178	3014	3192
Kings	304	172	476
Protector	83	679	762
Captor	49	217	266
Shelburne	28	218	246
Fort Ramsay	28	286	314
Chaleur	47	224	271
Hochelaga	35	191	226
St. Hyacinthe	40	881	921
	1439	11635	13074
Naden	202	4235	4437
Givenchy	156	1047	1203
Royal Roads	22	158	180
Chatham	58	467	525
Vancouver	101	130	231
	539	6037	6576
Avalon	271	2055	2326
Bytown	440	451	891
Bytown Div. II	13	351	364
Niobe	53	518	571
R.C.N.V.R. Divisions	273	5820	6093
	1050	9195	10245
Signal Stations		383	
Ports and Shipyards		97	
DEMS Ashore		30	
		510	510
TOTAL ASHORE	3028	27377	30405

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R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	6
Charlottetown	10	3
Saint John	8	5
Quebec	9	4
Montreal	43	112
Cartier	8	16
Ottawa	19	26
Kingston	5	9
Toronto	55	105
Hamilton	14	15
London	11	17
Windsor	9	8
Port Arthur	8	1
Winnipeg	15	8
Regina	11	0
Saskatoon	10	2
Edmonton	11	2
Calgary	12	0
Vancouver	15	10
Esquimalt	0	9
	273	358

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

II. SHIPS

A. New Construction, week ended 23rd December, 1942.

Launchings : One Algerine Minesweeper
One Frigate

Commissionings : Nil.

B. Total Vessels in Commission, 23rd December, 1942.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	321
	528

C. Escort Ships in Operation and Under Repair.

The following table shows the number of HMC escort vessels and HM and Allied ships operated by R.C.N. authorities which were in service during the past week.

	In Service	Working Up	Boiler Cleaning Under Refit or under Repairs not over 7 days	Repairs over 7 days	Total
No. of Escort Vessels	175.3	23.2	4	30.5	233
Percentage	75.3%	9.9%	1.7%	13.1%	100%

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III. OPERATIONS

A. ATLANTIC

1. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 19th December, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 12th Dec. (Revised)	Week Ended 19th Dec.
Canadian Coastal Convoys			
HS & SH	Halifax & Sydney	20	21
HJ & JH	Halifax & St. John's, Nfld.	2	1
HF & FH	Halifax & St. John, N.B.	19	27
SQ & QS	Sydney & Quebec	-	-
SB & BS	Sydney & Cornerbrook	-	7
LC & CL	Sydney & St. John's, Nfld.	13	2
BW & WB	Sydney & Wabana	9	17
SPAB	Sydney & Port aux Basques	6	3
LN & NL	Quebec & Labrador	-	-
JN & NJ	St. John's, Nfld. & Labrador	9	-
		78	78
Atlantic Convoys			
HX & SC	North America/U.K.	89	105
ON & ONS	U.K./North America	58	-
HON	Halifax/New York (via ON)	-	-
WON	St. John's, Nfld./New York (via ON)	-	1
		147	106
Caribbean Convoys			
NG & GN	New York & Guantanamo	91	90
	T O T A L	316	274

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	271,697	250,266
Atlantic Convoys	816,906	630,772
Caribbean Convoys	566,098	592,014
T O T A L	1,654,701	1,473,052

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C. N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

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2. Escort Organisation

13 Destroyers of the W.L.E.F. have been placed under command of C.T.F. 24. These Destroyers are continuing with the W.L.E.F. but are to be used as a Western Support Force when required, to assist M.O.E.F. of convoys which are being heavily attacked by U-boats. When acting as a Support Force the ships will be based on St. John's. The Destroyers forming this force are:- H.M.S. "GEORGETOWN", "LINCOLN", "CALDWELL", "CHELSEA", "ROXBOROUGH", "WANDERER", "BUXTON", "CHURCHILL", "MANSFIELD", "MONTGOMERY", "SALISBURY", "WITHERINGTON" and H.M.C.S. "HAMILTON".

3. The A/S patrol of the Gut of Canao, which was carried out by Fairmiles, has been discontinued as from 21st December due to ice conditions.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters (Area N of 40° N and W of 40° W)

An average of 4 U-boats have been patrolling the area N of 40° N and W of 40° W and 3-5 U-boats are probably in the vicinity of Convoy ON 152.

(b) Canada U/K Sea Lanes

1. Convoy ON 152

Convoy ON 152 was attacked on 21st December and SS "MONTREAL CITY" was torpedoed. SS "HARTSBRIDGE" stopped with engine trouble on 22nd December and as the defects could not be remedied a tug has been dispatched to her assistance. Due to heavy weather all escorts have had to leave this convoy except HMS "GEORGETOWN".

2. Convoy ON 153

Convoy ON 153 was first attacked during the night of 15th/16th December when SS "REGENT LION" and SS "HELLO" were torpedoed. SS "TORTUGUERO" was torpedoed during a second attack at 1911Z/16. A third attack developed during the folling night and an R.N. escorting destroyer (HMS "FIREDRAKE") and SS "EMILE FRANCOIS" were torpedoed and sunk. H.M.S. "SUNFLOWER" picked up 25 survivors from H.M.S. "FIREDRAKE". At 2115Z/20 the fourth attack was made made and resulted in SS "OTINA" being torpedoed. On 21st December two explosions were heard, but no ship was torpedoed nor was there any sign of a U-boat.

3. The figures for losses sustained by North Atlantic Mercantile Convoys during recent months on the basis of information received up to 2400 December 21st are as follows:

	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December (to 31st)	416	3	0.7
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(c) Western Atlantic Including Caribbean (Area W of 40° W)

Sinkings by enemy action in the area W of 40° W and north of the Equator during the past four weeks, on the basis of information received up to 2400 December 21st : and therefore subject to revision as later information is received, are as follows:

Week Ended	Cargo Ships	Tankers	Total	Gross Tonnage
30th November	4	0	4	22,630
7th December	3	0	3	28,353
14th December	1	0	1	5,423
21st December	0	0	0	0

iii. Counter-Attacks on U-boats

H.M.S. "MILFORD" and "TAMARISK" attacked a U-boat east of Trinidad on 18th December with unknown results.

iv. Marine Losses

1. The tug "CHICOUTIMI" towing "GRAHAM STEWART" left Mulgrave on 13th December for Liverpool N.S. but has not yet arrived.

2. The tug "CHAMPLAIN" is ashore near Lawn Bay, Burin Peninsula, Nfld.

3. "ELMER E GRAY" ran ashore near Port aux Basquest on 29th November and is a total loss.

4. "ROSALIE MARGE" ran ashore on Sandy Point St. Georges Bay, Nfld. on 9th December and is a total loss.

5. "PLAYMAYD" was abandoned in a sinking condition on a voyage from Rose Blanche to English Harbour on 9th December.

6. SS "GONCALO VELHO" is on fire off Cornerbrook. One of the crew is dead from gas fumes from the fire and two others have been asphixiated.

7. SS "EMPIRE CAVALIER" returned to Halifax badly damaged having been in collision with an unknown vessel.

8. The derrick scow BD 9 is fast in the ice off Father Point and has been secured to shore by a 4" wire rope.

9. Q.084 was in collision with H.M.C. Tug "PUGWASH" off the north end of No.4 jetty in Halifax Harbour on 15th December. Q.084 was badly holed and is unfit for sea. She was to sail with the 73rd Flotilla to the Caribbean.

10. H.M.C.S. "GEORGIAN" damaged her stern while slipping at St. John's. Extent of the damage is not known.

11. H.M.C.S. "MALPEQUE" grounded while leaving Liverpool (N.S.) Harbour but is not thought to be damaged.

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B. PACIFIC

U.S.S. "DASH" made several attacks on a sound A/S contact on 19th December off Eureka, California, Results are not known.

C. ALEUTIANS

A cargo ship previously attacked in Kiska Harbour now appears to be beached. On 17th December 35 500 pound bombs were dropped on Kiska scoring direct hits on 3 buildings and causing an explosion and fire immediately north of the submarine base. Heavy A.A. fire was encountered. Reconnaissance of Agattu and Semichi Islands was negative.

IV. WORKS

A. BOOM DEFENCE

Overhauling of A/S components at Gaspe, which began last week, will be carried on during the winter months in addition to the care and maintenance of Boom Defence Floating Equipment.

It is reported that the new A/T Installation at Bay Bulls, Nfld., successfully weathered the storm which occurred during the week.

A/S Net weighing operations began at Sydney, 16th December, Nets and Moorings hauled ashore being in fair condition.

Installation of A/T Nets at Wabana began 2nd December. Work ceased 7th December owing to adverse weather conditions.

A temporary hold-up in the manufacture of A/T Nets and 300-gallon Flotation Barrels is reported to be caused by non-delivery of materials. The Department of Munitions and Supply has been requested to follow up this lack of material closely.

B. ANTI-SUBMARINE

Methods are under study for the training and supply of "electrical technicians" to certain class of ships for the purpose of undertaking maintenance work on ship's electrical gear, and A/S and E/S equipment.

Extensive study was given to the present method of originating and controlling research work associated with A/S interests, and to the existing method of translating research conclusions into engineering terms to permit manufacture. Conclusions and corrective measures are to be proposed to a joint meeting of R.C.N. and N.R.C. representatives who are involved.

At the last meeting of the A/S Planning Committee it was decided to establish an Engineering Design Section within the Equipment Section.

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C. DEGAUSSING

It has been approved to modify the existing degaussing installation in Town Class Destroyers by the addition of a small forward loop.

As the substitution of impregnated ply-wood for steel troughing used on Merchant Vessels did not meet with the approval of the Wartime Merchant Shipping Limited, investigations along these lines have been dropped.

Drawings of D.G. junction boxes for use on Algerines, Frigates and Corvettes have been approved and manufacture is proceeding.

Approval for deperming Canadian Merchant Ships in U.S. ports has been granted by U.S. authorities.

The ampere turn meters requested from U.S. Naval authorities are being forwarded to Naval Service Headquarters on permanent loan to the Canadian Navy.

D. STORES

The equipment purchased by the Naval Stores amounted this week to $262,860.66.

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S E C R E T

N.S. 1048-47-5

C180069

WEEKLY MERCHANT SHIPPING CASUALTIES

No. 49.
For week ending
December 21,1942.

(A)
SHIPPING ATTACKED, DAMAGED OR SUNK DUE TO ENMEY ACTION.
(North of the Equator and West of 40°W)

	NAME	TONS	TIME	POSITION	DETAILS
935A	"NURMAHAL" (Br. cargo)	5419	Nov.11.	15° 45'N 55° 45'W	Presumed torpedoed and sunk.
936A	"OTINA" (Br. tanker)	6217	2017Z/20	47° 40'N 33° 06'W	Torpedoed.
937A	"MONTREAL CITY" (Br. cargo)	3066	0310Z/21	50° 35'N 38° 10'W	Torpedoed.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

928A	"BESHOLT"	See report #48 Dec.14th.	Sunk Dec.2, 03°20'N, 30° 30'W. Delete from total sunk West of 40°W.
929A	"CERAMIC"	See report #48 Dec.14th.	Reported torpedoed Dec.17th now presumed sunk.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION SINCE JANUARY 12,1942.
(North of the Equator and West of 40° W)

JANUARY	23 Cargo &	16 Tankers	TOTAL	39 Ships	228,239 Tons
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	483,779
APRIL	37	22		59	347,618
MAY	81	31		112	553,721
JUNE	86	22		108	535,792
JULY	48	7		55	228,866
AUGUST	40	13		53	282,066
SEPTEMBER	38	5		43	196,275
OCTOBER	30	1		31	146,334
NOVEMBER	34	5		39	229,247
DECEMBER (to 21st)	4	0		4	33,776
TOTAL	503 Cargo	184 Tankers	TOTAL	687 Ships	3,631,504 Tons

SUMMARY OF MERCHANT SHIPPING LOST IN CANADIAN COASTAL AREA (North of 40° N & West of 40°W) INCLUDED IN ABOVE.

JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	5	1		6	24,406
JUNE	7	0		7	42,063
JULY	10	0		10	41,841
AUGUST	5	1		6	34,025
SEPTEMBER	11	1		12	52,841
OCTOBER	12	1		13	61,416
NOVEMBER	13	1		14	79,029
DECEMBER (to 21st)	1	0		1	18,713
TOTAL	91 Cargo	21 Tankers	TOTAL	112 Ships	608,847 Tons

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SUMMARY OF MERCHANT SHIPPING LOSSES IN MID-ATLANTIC
(26° W to 40° W and North of 43° N)

FEBRUARY	1 Cargo &	1 Tankers TOTAL	2 Ships	7,377 Tons
MAY	7	0	7	37,748
JUNE	3	0	3	23,440
AUGUST	20	0	20	100,483
SEPTEMBER	4	2	6	36,523
OCTOBER	9	6	15	124,780
NOVEMBER	12	1	13	70,302
DECEMBER (to 21st)	1.	1	2	13,467
TOTAL	57 Cargo	11 Tankers TOTAL	68 Ships	414,120 Tons

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

166B	"ELMER E. GRAY" (Newfoundland)	121	Nov.29.	47° 33'N 59° 09'W	Ashore total loss.
167B	"PLAYMAYD" (Canadian)	96	Dec.9th.	47° 24'N 55° 35'W	Abandoned in sinking condition.
168B	"ROSALIE MARGE" (British)	62	Dec.9th.	48° 30'N 58° 31'W	Ashore total loss.
169B	"CITY OF KIMBERLEY" (Br. cargo)	6169	Dec.15th	40° 48'N 66° 09'W	In collision arrived Halifax.
170B	"LOUISE" (U.S. Tug)	530	Dec.17th	35° 30'N 75° 20'W	Considered marine casualty, bodies and wreckage washed ashore.
171B	"CHAMPLAIN" (Can. tug)	522	1951Z. Dec.19th	46° 54'N 55° 33'W	Ashore.
172B	"EMPIRE CAVALIER" (Br. tanker)	9821	2200Z. Dec.19th	38° 04'N 57° 50'W	In collsion with unknown vessel. Probably "SCEBELI" returning Halifax.
173B	"SCEBELI" (Nor. cargo)	3025	2221Z. Dec.19th	38° 33'N 58° 38'W	Collision with a tanker Probably "EMPIRE CAVALIER".

SUMMARY OF MERCHANT SHIPPING LOST DUE TO WEATHER, GROUNDING AND COLLISION SINCE JANUARY 12,1942.
(North of the Equator and West of 40° W)

JANUARY	2 Cargo &	0 Tankers TOTAL	2 Ships	9,918 Tons
FEBRUARY	4	1	5	22,145
MARCH	3	0	3	11,701
APRIL	5	0	5	17,731
MAY	5	0	5	17,840
JUNE	4	0	4	5,660
JULY	5	0	5	11,393
AUGUST	3	0	3	7,282
SEPTEMBER	1	0	1	4,539
OCTOBER	6	0	6	13,921
NOVEMBER	6	0	6	6,110
DECEMBER (to 21st)	7	0	7	10,383
TOTAL	51 Cargo	1 Tanker TOTAL	52 Ships	138,623 Tons

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ATTACKS ON TRANS-ATLANTIC CONVOYS - DECEMBER

C180071

The following ships were attacked, damaged or sunk by enemy action during the first 3 weeks of December, (information as received by 2400 December 21,1942).

	SHIPS SUNK		SHIPS ATTACKED BUT NOT KNOWN SUNK.	
Date	Convoy	In convoy	Ex convoy	In convoy	Ex convoy
Dec.3.	ONS 146			"EMPIRE DARCHICK"	
Dec.7.	ON 149		"CERAMIC"		"PETER MAERSK"
Dec.8.	HX 217	"EMPIRE SPENSER"			
Dec,9,		"CHARLES L.D."			
Dec.16.	ON 153			"REGENT LION"#	
		"EMILE FRANCQUI"#			
				"TORTUGUERO"#	
DEC.20.				"OTINA"	
DEC.21.	ON 152			"MONTREAL CITY"	

#The ships marked thus were sunk east of 26° W and are consequently not listed in the first section of this report.

The following table lists the numbers of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

MONTH	SHIPS CONVOYED	SHIPS SUNK		OTHER ATTACKS	
		In convoy	Ex convoy	In convoy	Ex convoy
AUGUST	735	21	2	4	-
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER (to 21st)	416	3	1	5	1

DISTRIBUTION OF ATTACK ON SHIPPING

Attacks on shipping during the first 3 weeks of December were distributed as follows; (information as received by 2400 December 21,1942.)

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	Total	In convoy	Unescorted	Total
North of 40° N.	-	1	1	-	1	1
Bermuda area.	-	-	-	-	1	1
East of Trinidad	-	3	3	-	-	-
Sub total West of 40° W.	-	4	4	-	2	2
Mid-Atlantic.	2	-	2	2	-	2
TOTAL	2	4	6	2	2	4

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AVERAGE SHIPPING LOSSES.

SINCE JANUARY 12,1942.	FOR 10 WEEKS ENDING DEC. 21,1942.
14 ships per week.	6 ships per week.
5,286 tons per ship.	5,821 tons per ship.
74,112 tons per week.	34,924 tons per week.

N.B. It should be realized that the present low rate of sinkings west of 40° west merely indicates that U-boat activity has moved further east. During the past week some 7 ships were reported as sunk between 0° and 10° N, 20° and 40° W.

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 1st January, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 165

REPORT NO. 103

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 26th December, 1942.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 26th December, 1942.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	1	2	1	1	0	1	549	3410	3959
RCNR	0	5	1	1	1	0	914	4951	5865
RCNVR	17	184	0	23	-1	-1	4085	38306	42391
TOTAL	18	191	2	25	-	-	5548	46667	52215
LESS DIV. STRENGTH							442	3223	3665
TOTAL ACTIVE SERVICE							5106	43444	48550
WRCNS	0	35	0	1	1	-1	41	706	747
GRAND TOTAL	18	226	2	26	1	-1	5147	44150	49297

B. CASUALTIES:

Garnet Clayton COPP, Stoker 2nd Class, V30945, missing, presumed killed on war service.

Total deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	6	117	123
Prisoners of war	3	2	5

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 26th Dec. 1942			Period from 31st Aug. 1939 to 26th Dec. 1942.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	18	191	209	4,663	48,823	53,486
Promotions from Lower Deck	0	-	0	870	-	870
	18	191	209	5,533	48,823	54,356
2. Deductions from Strength						
Discharges from Act. Serv.						
--Promotions	-	0	0	-	870	870
--Medically Unfit	0	6	6)	247	3,235	3,482
--Other Reasons	2	14	16)			
Discharges from Div. Str.	0	5	5	15	892	907
Casualties:						
Killed on Active Service	0	1	1	80	641	721
Other Deaths	0	0	0	10	73	83
Total Deductions	2	26	28	352	5,711	6,063
3. Net Increase	16	165	181	5,181	43,112	48,293
4. Personnel at Beginning of Period	5,532	46,502	52,034	367	3,555	3,922
5. PRESENT STRENGTH	5,548	46,667	52,215	5,548	46,667	52,215

W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	6	745	751
Promotions from Lower Deck	36	-36	-
	42	709	751
Discharges to date	1	3	4
PRESENT STRENGTH	41	706	747

D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 26th December, 1942

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	85	1044	1129
Destroyers -			
- Tribals	28	335	363
- Rivers	58	845	903
- Towns	65	1025	1090
Corvettes	433	5165	5598
Fairmiles	88	648	736
M.T.B.	1	8	9
Patrol Boats	165	178	343
Fishermen's Reserve	4	448	452
	927	9696	10623

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AFLOAT (Continued)

	Officers	Ratings	TOTAL
Brought Forward	927	9696	10623
Harbour Craft	11	283	294
Base Supply Ships	32	172	204
Aux. Tankers	5	51	56
Bangor M/S	330	3488	3818
Other M/S	44	339	383
Examination Vessels	34	353	387
Boom Attendant		11	11
Boom Maintenance	3	78	81
Looplayer	3	36	39
Gate Vessels	2	130	132
Tugs	17	169	186
Diving Boats		12	12
D.E.M.S.		196	196
Serving with R.N.	557	740	1297
TOTAL AFLOAT	1965	15754	17719

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	655	6021	6676
Cornwallis	182	3163	3345
Kings	316	176	492
Protector	84	692	776
Captor	49	219	268
Shelburne	29	223	252
Fort Ramsay	29	273	302
Chaleur	48	224	272
Hochelaga	36	173	209
St. Hyacinthe	40	845	885
	1468	12009	13477
Naden	211	4246	4457
Givenchy	142	1094	1236
Royal Roads	22	158	180
Chatham	58	477	535
Vancouver	102	130	232
	535	6105	6640
Avalon	271	2084	2355
Bytown	455	460	915
Bytown Div. II	16	373	389
Niobe	53	618	671
R.C.N.V.R. Divisions	303	5668	5971
	1098	9203	10301
Signal Stations		381	
Ports and Shipyards		100	
D.E.M.S. Ashore		35	
		516	516
TOTAL ASHORE	3101	27833	30934

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R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	20
Charlottetown	10	3
Saint John	8	5
Quebec	10	4
Montreal	43	113
Cartier	9	16
Ottawa	21	29
Kingston	6	15
Toronto	72	108
Hamilton	16	15
London	12	17
Windsor	8	6
Port Arthur	10	1
Winnipeg	17	8
Regina	11	0
Saskatoon	10	2
Edmonton	11	2
Calgary	12	0
Vancouver	17	10
Esquimalt	0	9
	303	383

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

II. SHIPS

A. New Construction, week ended 28th December, 1942.

Launchings : Nil
Commissionings: Nil

B. Returned to Owners, during week ended 28th December.

One tug.

C. Total Vessels in Commission, 28th December, 1942.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	320
	527

D. Escort Ships in Operation and Under Repair.

The following table shows the number of H.M.C. escort vessels and H.M. and Allied Ships operated by R.C.N. authorities which were in service during the past week:

	In Service	Working up	Boiler Cleaning Under Refit or under Repairs not over 7 days	Repairs over 7 days	Total
No. of Escort Vessels	178.5	20	4.5	30	233.1
Percentage	76.2%	8.6%	1.7%	13.5%	100%

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III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 26th December, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 19th Dec. (Revised)		Week Ended 26th Dec.	
Canadian Coastal Convoys					
HS & SH	Halifax & Sydney	20		9	
HJ & JH	Halifax & St. John's, Nfld.	1		3	
HF & FH	Halifax & St. John, N.B.	27		11	
SQ & QS	Sydney & Quebec	-		-	
SB & BS	Sydney & Cornerbrook	7		1	
LC & CL	Sydney & St. John's, Nfld.	2		-	
BW & WB	Sydney & Wabana	17		14	
SPAB	Sydney & Port aux Basques	6		5	
LN & NL	Quebec & Labrador	-		-	
JN & NJ	St. John's, Nfld. & Labrador	-		5	
			80		48
Atlantic Convoys					
HX & SC	North America/U.K.	113		44	
ON & ONS	U.K./North America	-		19	
HON	Halifax/New York (via ON)	-		-	
WON	St. John's, Nfld./New York (via ON)	1		1	
			114		64
Caribbean Convoys					
NG & GN	New York & Guantanamo	90		115	
			90		115
	TOTAL		284		227

Gross Tonnage of Ships Convoyed

	19th Dec. (Revised)	26th Dec.
Canadian Coastal Convoys	252,506	145,873
Atlantic Convoys	762,474	363,454
Caribbean Convoys	566,098	704,085
TOTAL	1,581,078	1,213,412

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

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2. Trans-Atlantic Sailings from Canadian Ports

Five ships, consisting of three British and two Greek, sailed from Halifax on 22nd December, as the Canadian Section of a trans-Atlantic convoy. Eight ships, consisting of three British, three Norwegian, one Swedish and 1 U.S., similarly sailed from Halifax on 24th December. There were no ships sailed independently for the U.K. during the week ended 26th December.

3. N.O.I.C. Sydney reports that the Examination Service there was discontinued as of December 23rd due to ice conditions. All A/S nets have been lifted, and weighing operations are proceeding on trots and anchors.

4. For the present regardless of speed no United Nations vessel is to be sailed independently to the U.K. or Iceland without approval of U.S. Authorities.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this report.)

(a) Canadian Coastal Waters (Area N of 40°N and W of 40°W)

Five U-boats were patrolling the area between Virgin Rocks and 40° N and 40° W on December 24th and 25th. This number had increased to 9 or 10 by December 28th.

(b) Canada U/K Sea Lanes

1. Convoy ONS 154

Convoy ONS 154 consisting of 47 ships and escorted by

H.M.C.S. "ST. LAURENT"
H.M.C.S. "KENOGAMI"
H.M.C.S. "CHILLIWACK"
H.M.C.S. "NAPANEE"
H.M.C.S. "SHEDIAC"
H.M.C.S. "BATTLEFORD"

sailed from the U.K. on December 19th.

On 26th December H.M.C.S. "SHEDIAC" sighted and attacked a U-boat ahead of the convoy. Early the next day H.M.C.S. "ST. LAURENT", while investigating an R.D.F. contact, heard two torpedoes fired on her port beam. Soon after this the first attack developed and one or possibly two ships were torpedoed. Three and a half hours after this attack, "ST. LAURENT" sighted a U-boat on the starboard side of the convoy and attacked. 3 depth charges were dropped on the U-boat's periscope, but no results were observed. "ST. LAURENT's" generator failed just at the critical moment of the attack. Late on 27th December the tanker from which the escorts were fuelling was torpedoed, but she was able to continue with the convoy. Four ships were torpedoed during the night of 27th December, three of which sank.

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H.M.C.S. "CHILLIWACK" carried out an attack on a U-boat on 27th December and another on the 28th. The latter was very promising and a direct hit was scored on the U-boat. "ST. LAURENT" attacked a U-boat, with 10 depth charges and heard 14 explosions, one of which was described as "enormous".

On the night of 28th December the convoy was twice attacked. In the first attack 5 U-boats took part and each escort made a counter-attack. The results of some of these attacks were very promising and no ships were torpedoed. During the second attack 5 ships were torpedoed.

The Senior Officer of the Escort reported late on 28th December that the moon was rising and the situation improving. C.in C. W.A. ordered the 3rd Destroyer Flotilla to join ONS 154 to reinforce the escort.

The position at 2400 on 28th December was:-

3 ships torpedoed and known sunk
6 ships torpedoed - no further word
1 ship torpedoed still afloat & steaming (SCOTTISH HEATHER)

TOTAL - 10 torpedoed.

2. The figures for losses sustained by North Atlantic Mercantile Convoys during recent months on the basis of information received up to 2400 28th December are as follows:

	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December (to 28th)	528	8	1.5

(c) Western Atlantic Including Caribbean

Sinkings by enemy action in the area W of 26° W and N of the Equator during the past 4 weeks, on the basis of information received up to 2400 28th December and therefore subject to revision as later information is received, are as follows:

Week Ended	Cargo Ships	Tankers	Total	Tonnage
7th December	3	0	3	28,353
14th December	4	1	5	28,087
21st December	1	0	1	3,066
28th December	4	0	4	20,700

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iii. Counter-Attacks on U-boats.

1. Attacks on U-boats by the escorts of Convoy ONS 154 are reported in a preceding paragraph.

2. A U.S. B-18 aircraft attacked a U-boat in mid-ocean with unknown results.

3. A U-boat was attacked east of Curacao.

iv. Marine Losses

1. S.S. "WATERHEN", which was drifting in mid-ocean, has been taken in tow by H.M.R.T. "TENACITY".

2. Q.085, which sailed from Halifax with the 72nd Fair-mile Flotilla for the Caribbean, has been forced to return to Halifax with engine trouble.

3. H.M.R.T. "FRISKY" has been sailed to assist in re-floating the tug "CHAMPLAIN" which is aground at Lawn Hill, Burin Peninsula, Nfld.

B. ALEUTIANS.

A raid on Kiska between 21st and 22nd December resulted in a direct hit on a gun installation and one on an ammunition dump in a ravine west of the camp. The buildings south of the U-boat base were set on fire and a direct hit was scored on an A.A. installation on Northhead. The camp was bombed with incendiary and demolition bombs. Before the bombing 9 fighters straffed the area with machine gun fire. On the same date, no new enemy activity was observed on Attu.

IV. WORKS

A. ANTI-SUBMARINE

With regard to the question of liaison with the National Research Council, it was agreed that R.C.N. shall in future originate a request for each project, collaborate closely with N.R.C. during the research and preliminary development stages, and indicate when the project may be graduated to the engineering stage. Final engineering drawings, specifications, hand books, etc., are to be prepared by an R.C.N. engineering group which is to be set up, so that manufacture may be proceeded with by any convenient method.

Specifications of the "Gladstone Plotter" have now arrived from Admiralty and early steps will be taken to supply this device to all R.C.N. escort vessels.

Treasury Board approval has been obtained for present A/S Fixed Defence Commitments viz., St. John, N.B., Canso, N.S., Vancouver, B.C., Juan de Fuca, B.C., Prince Rupert, B.C.

B. BOOM DEFENCE

The installation of the new A/T Gate at St. John's, Nfld., has been successfully completed. Temporary A/T In-

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stallation was completed during the week at Wabana, and it is reported that the A/T Nets at Bay Bulls are in good condition.

All A/S Nets at Sydney have been lifted and Weighing Operations are proceeding on Net Moorings.

C. DEGAUSSING

During the past week one permanent D.G. installation on a Merchant Ship was completed along with fitting compass corrector equipment.

Thirty "B" compass corrector coils were forwarded to Ontario Hughes Owens Co. Ltd., Ottawa, for fitting on Merchant binnacles being supplied to Wartime Merchant Shipping Limited. These thirty coils will be replaced in Naval Stores by Northern Electric Co. Ltd., some time before the opening of navigation in the Spring.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPPING

Inspections for the past two weeks totalled 121.

Gun-mounting has been completed on 2 ships, and 5 others are in hand for arming.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,520,913.90.

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S E C R E T

N.S. 1048-47-5

WEEKLY MERCHANT SHIPPING CASUALTIES.
(North of the Equator and West of 40°W)

No.50.
For week ending
December 28,1942.

(A) SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(North of the Equator and West of 40° W)

	NAME	TONS	DATE	POSITION	DETAILS
938A	"CADDO" (Am. tanker)	10172	Nov.23.	043° 00'N 049° 00'W (approx)	Torpedoed and sunk. 6 survivors landed Philadelphia. Master and 1st Mate taken prisoner by submarine.
939A	"ETNA" (Swed. cargo)	2619	0430Z Dec.14.	17° 50'N 46° 20'W	Torpedoed and sunk.
940A	"ORFOR" (Br. cargo)	6578	Dec.14.	016° 00'N 050° 00'W	Torpedoed and sunk. 15 survivors picked up.
941A	"LUCY EVELYN" (U.S. schooner)	374	2150Z Dec.15.	12° 00'N 75° 00'W	Shelled.

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN MID-ATLANTIC.
(North of 43° N & West of 26° W and East of 40°W)-SINCE NOV.1,1942.

942A	"KING EDWARD" (Br. cargo)	5224	0415Z Dec.27.	046° 00'N 27° 00'W (approx)	Torpedoed and sank immediately with no survivors.
943A	"SCOTTISH HEATHER" (Br. tanker)	7005	Dec.27.	045° 00'N 28° 00'W (approx)	Torpedoed and still afloat steaming.
944A	"EMPIRE UNION" (Br. cargo)	5952	Dec.27.	045° 00'N 28° 00'W (approx)	Torpedoed and sunk.
945A	"SOEKABOEMI" (Du. cargo)	7051	Dec.27.	045° 00'N 28° 00'W (approx)	Torpedoed and sunk.
946A	"MELROSE ABBEY" (Br. cargo)	2473	Dec.27.	045° 00'N 28° 00'W	Torpedoed and sunk.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

"TORTUGUERO"	See report #49 Dec.21st.	Reported attacked arrived at Halifax Dec.28.
"MONTREAL CITY"	See report #49 Dec.21st.	Reported torpedoed now confirmed sunk.

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION SINCE JANUARY 12,1942.

(North of 0° and West 40° W)

JANUARY	23 Cargo &	16 Tankers	TOTAL 39 Ships	228,239	Tons.
FEBRUARY	39	25	64	365,791	
MARCH	43	37	80	483,779	
APRIL	37	22	59	347,618	
MAY	81	31	112	553,721	
JUNE	86	22	108	535,792	
JULY	48	7	55	228,866	
AUGUST	40	13	53	282,066	
SEPTEMBER	38	5	43	196,275	
OCTOBER	30	1	31	146,334	
NOVEMBER	35	5	40	239,419	
DECEMBER (to 28th)	6	0	6	42,973	
TOTAL	506 Cargo	184 Tankers	TOTAL 690 Ships	3,650,873	Tons.

SUMMARY OF MERCHANT SHIPPING LOST IN CANADIAN COASTAL AREA INCLUDED IN ABOVE.

(North of 40° N & West of 40°W)

JANUARY	10 Cargo &	10 Tankers	TOTAL 20 Ships	116,999	Tons.
FEBRUARY	7	4	11	68,935	
MARCH	4	2	6	40,895	
APRIL	6	0	6	27,684	
MAY	5	1	6	24,406	
JUNE	7	0	7	42,063	
JULY	10	0	10	41,841	
AUGUST	5	1	6	34,025	
SEPTEMBER	11	1	12	52,841	
OCTOBER	12	1	13	61,416	
NOVEMBER	14	1	15	89,201	
DECEMBER (to 28th)	1	0	1	18,713	
TOTAL	92 Cargo	21 Tankers	TOTAL 113 Ships	619,019	Tons.

SUMMARY OF MERCHANT SHIPPING LOSSES IN MID- ATLANTIC.

(26° W to 40° W and North of 43° N)

FEBRUARY	1 Cargo &	1 Tankers	TOTAL 2 Ships	7,377	Tons
MAY	7	0	7	37,748	
JUNE	3	0	3	23,440	
AUGUST	20	0	20	100,483	
SEPTEMBER	4	2	6	36,523	
OCTOBER	9	6	15	124,780	
NOVEMBER	12	1	13	70,302	
DECEMBER (to 28th)	7	0	7	37,233	
TOTAL	63 Cargo	10 Tankers	TOTAL 73 Ships	437,686	Tons.

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(B) SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(North of the Equator and West fo 40° W)

174B	"FREDDIE M BURT" (British)	95	0830Z Sept.13.	46° 53'N 52° 50'W	In collision with unknown bessel probably "ATLAND". Vessel hit schooner on bow cutting her in two crew took to boats and landed at Renewse
175B	"ATLAND" (Swed. cargo)	5203	0850Z Sept.13.	46° 53'N 52° 50'W	In collision with unknown vessel probably "FREDDIE M. BURT".
176B	"COOT" (Hond)		Dec.17.	24° 00'N 83° 00'W (approx)	Caught fire 5 survivors landed at Key West. 3 members of crew known to have drowned.
177B	"EMPIRE . BUNTING" (Br. cargo)	6448	Dec.28.	048° 55'N 044° 05'W	Steering badly broken down requir tug "ROXBOROUGH" standing by.

SUMMARY OF MERCHANT SHIPPING LOST DUE TO WEATHER GROUNDING AND COLLISION SINCE JANUARY 12,1942.

(North of 0° and West of 40° W)

JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	9,918 Tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER (to 28th)	7	0		7	10,383
TOTAL	51 Cargo	1 Tanker	TOTAL	52 Ships	414,215 Tons

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ATTACKS ON TRANS-ATLANTIC CONVOYS - DECEMBER.

The following ships were attacked, damaged or sunk by enemy action between Dec. 1st. and 28th (information as received up to 2400 Dec. 28th 1942).

		SHIPS SUNK.		ATTACKED BUT NOT KNOWN SUNK.	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Dec.3	ONS 146				
Dec.7	ON 149		"CERAMIC"		"PETER MAERSK"
Dec.8	HX 217	"EMPIRE SPENSER"			
Dec.9	HX 217	"CHALRES L.D."			
Dec.16	ON 153	"EMILE FRANQUI"#		"REGENT LION" # "TORTUGUERO"#	
Dec.20	ON 153			"OTINA"	
Dec.21	ON 152	"MONTREAL CITY"			
Dec.27	ON 154	"KING EDWARD" "EMPIRE UNION" "SOEKABOEMI" "MELROSE ABBEY"		"SCOTTISH HEATHER"	

Attacked east of 26° W.

TRANS-ATLANTIC CONVOYS

The following table lists the numbers of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

MONTH	SHIPS CONVOYED	SHIPS SUNK		OTHER ATTACKS	
		In convoy	Ex convoy	In convoy	Ex convoy
AUGUST	735	21	2	4	-
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER (to 28th)	528	8	1	4	1

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DISTRIBUTION OF ATTACKS ON SHIPPING.

Attacks on merchant shipping, December 1st to 28th, were distributed as follows; (information as recevied up to 2400 December 28th,1942.)

	SINKINGS.			OTHER ATTACKS.		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
North of 40° N.	-	1	1	-	1	1
Bermuda area.	-	-	-	-	1	1
East of Trinidad.	-	5	5	-	-	-
Total West of 40° W.	-	6	6	-	2	2
Mid-Atlantic.	7	1	8	4	1	5
TOTAL	7	7	14	4	3	7

The following are the numbers of ships sunk in the West Atlantic (North of the Equator and West of 40° W) and the Mid-Atlantic (North of 43°N and West of 26° W) during the past four weeks. It will be remembered that only ships known to be sunk are included in these figures and that they will probably be revised upwards considerably. Information from other areas indicates that enemy U-boat are concentrating elsewhere rather than slackening in their attacks.

WEEK ENDING.				
Dec.7 th	3 cargo ships	0 tankers	3 ships	28,353 tons
Dec.14th	3	0	3	28,087
Dec.21st	1	0	1	3,066
Dec.28th	4	0	4	20,700

AVERAGE SHIPPING LOSSES. (West of 40° W only)

Since January 12,1942.	For 10 weeks ending Dec.28,1942.
13.8 ships per week.	5.1 ships per week.
5,146 tons per ship.	6,101 tons per ship.
73,017 tons per week.	31,115 tons per week.

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 8th January, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 166

REPORT NO. 104

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 2nd January, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 2nd January, 1943.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	3	1	0	1	0	0	552	3410	3962
RCNR	1	4	0	6	0	0	915	4949	5864
RCNVR	11	173	3	32	0	0	4093	38447	42540
TOTAL	15	178	3	39	0	0	5560	46806	52366
LESS DIV. STRENGTH							452	3337	3789
TOTAL ACTIVE SERVICE							5108	43469	48577
WRCNS	0	75	0	1	0	0	41	780	821
GRAND TOTAL	15	253	3	40	0	0	5149	44249	49398

B. CASUALTIES:

Lieut. Omer J. GAGNON, RCNVR (Temp.). Missing, presumed killed on Active Service 17.12.42.

Lieut. Hugh D.S. RUSSEL, RCNVR (Temp.). Missing on Active Service.

William Steele LOGUE, Stoker I, V-733, RCNVR. Missing, presumed killed on War Service 17.12.42.

Walter Joseph COBURN, Stoker I (M), V-38367, RCNVR. Died of injuries received in jumping from a train.

Edward RAMESBOTTOM, E.R.A. 3/Cl., A-2858, RCNR. Died 25.12.42.

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Total deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	6	117	123
Prisoners of war	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 2 January, 1943.			Period from 31st Aug., 1939 to 2nd Jan. 1943.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	15	178	193	4,678	49,001	53,679
Promotions from Lower Deck	0	-	0	870	-	870
	15	178	193	5,548	49,001	54,549
2. Deductions from Strength						
Discharges from Active Service:						
-- Promotions	-	0	0	-	870	870
-- Medically Unfit	0	11	11)	248	3,261	3,509
-- Other Reasons	1	15	16)			
Discharges from Div. Str.	0	10	10	15	902	917
Casualties:						
Killed on Active Service	2	1	3	82	642	724
Other Deaths	0	2	2	10	75	85
Total Deductions	3	39	42	355	5,750	6,105
3. Net Increase	12	139	151	5,193	43,251	48,444
4. Personnel at Beginning of Period	5,548	46,667	52,215	367	3,555	3,922
5. PRESENT STRENGTH	5,560	46,806	52,366	5,560	46,806	52,366

W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	6	820	826
Promotions from Lower Deck	36	-36	-
	42	784	826
Discharges to date	1	4	5
PRESENT STRENGTH	41	780	821

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS

A. New Construction, week ended 4th January, 1943.

Launchings : Nil
Commissionings: Nil

B. Total Vessels in Commission, 4th January, 1943.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	320
TOTAL	527

C. Escort Ships in Operation under Repair.

The following table shows the number of H.M.C. escort vessels and H.M. and Allied Ships, operated by R.C.N. authorities which were in service during the past week:

	In Service	Working up	Boiler Cleaning or under Repairs not over 7 days	Under Refit or repairs over 7 days	Total
No. of Escort Vessels	178.5	20	4.5	30	233.1
Percentage	76.2%	8.6%	1.7%	12.5%	100%

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 2nd January, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 26th Dec. (Revised)	Week Ended 2nd Jan.
Canadian Coastal Convoys			
HS & SH	Halifax & Sydney	9	15
HJ & JH	Halifax & St. John's, Nfld.	3	2
HF & FH	Halifax & St. John, N.B.	11	14
SQ & QS	Sydney & Quebec	-	-
SB & BS	Sydney & Cornerbrook	1	5
LC & CL	Sydney & St. John's, Nfld.	-	2
BW & WB	Sydney & Wabana	14	12
SPAB	Sydney & Port aux Basques	5	7
LN & NL	Quebec & Labrador	-	-
JN & NJ	St. John's, Nfld. & Labrador	5	-
		48	57

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Short Title	Terminal Ports	Week Ended 26th Dec. (Revised)		2nd Jan.	
	Brought Forward		48		57
Atlantic Convoys					
HX & SC	North America/U.K.	44		73	
ON & ONS	U.K./North America	43		-	
HON	Halifax/New York (via ON)	-		16	
WON	St. John's, Nfld/New York (via ON)	1		1	
			88		90
Caribbean Convoys					
NG & GN	New York & Guantanamo	115		85	
			115		85
	T O T A L		251		232

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	145,873	171,806
Atlantic Convoys	514,838	533,494
Caribbean Convoys	704,085	584,493
T O T A L	1,364,796	1,289,793

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this report.)

(a) Canadian Coastal Waters (Area N of 40° N and W of 40° W)

Two U-boats are estimated off Virgin Rocks and one off Halifax. 6 to 7 U-boats are probably patrolling the area 40° N 40° W to 50° N 45° W.

(b) Canada U/K Sea Lanes

1. Convoy ONS 154

On the night of 28th December this convoy was again attacked. H.M.C.S. "CHILLIWACK" reported dropping a 10 charge pattern on a U-boat as it was crash diving and that 3 depth charges were directly on the target. The damage sustained by this convoy, on the basis of present information, amounts to:-

9	ships torpedoed and sunk
1	ship torpedoed but returned safely to U.K.
1	ship torpedoed but still afloat
4	ships torpedoed, present status uncertain
15	

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The most disastrous part of the voyage was between 25° W. and 30° W. where there was no air coverage. The U-boats broke off their attacks just before the convoy reached the point where it could expect air coverage from this side of the Atlantic.

2. The weather on the Atlantic has improved since last week and the convoys have been moving steadily. Both east and west bound convoys are all routed well to the north at present with the exception of ON 154. For some time past most of the westbound convoys had been routed far to the south of the eastbound convoys.

3. The figures for losses sustained by North Atlantic Convoys during recent months on the basis of information received up to 2400 4th January are as follows:

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
June	591	3	0.5
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	576	15	2.7

end

(c) Western Atlantic Including Caribbean

Sinkings by enemy action in the area W of 26° W and North of the Equator during the past 4 weeks, on the basis of information received up to 2400 4th January, and therefore subject to revision as later information is received, are as follows:-

Week Ended	Cargo Ships	Tankers	Total	Tonnage
14th December	5	1	6	29,716
21st December	1	1	2	9,283
28th December	10	0	10	51,924
4th January	1	0	1	4,426

iii. Counter-Attacks on U-boats

1. H.M.C.S. "BROCKVILLE" attacked a doubtful contact with 6 depth charges in position off Cape Ray on December 29th. Contact was lost after the first attack.

2. A PBY Aircraft made three attacks on U-boats in the vicinity of Trinidad, two on December 29th and one on January 1st. Results of these attacks are not known.

3. H.M.C.S. "ST. LAURENT" attacked a U-boat in position 43° N 35° W at 2140Z/30 while escorting Convoy ONS 154. No results are known.

iv. Marine Losses

1. SS "E.H. BLUM" ran aground on Fenwick Islands Shoals off Cape Hatteras on 29th December and broke in half.

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2. SS "OUTARDE" ran aground on Point aux Alcruettes, Miquelon Island on 3rd January. The French Tug "BEARNAIS" is being sailed to render assistance.

3. U.S.S. "NATZEK" was last seen on December 17th in the entrance to Belle Isle Straits. Shore watchers, shipping and Naval authorities have been requested to make enquiries about her.

B. PACIFIC

SS "PORT ORFORD" ran aground on Yasha Island, Fredrick Sound, S.E. Alaska early in December and broke in half on 28th December.

C. ALEUTIANS

Reconnaissance of Attu on 27th December reports no enemy aircraft in Holtz Bay. One P38 aircraft was shot down by A.A. fire and the pilot lost. Also one fighter was forced down but the pilot was saved. At Kiska enemy naval and air activity was nil.

IV. WORKS

A. BOOM DEFENCE

A Mooring for Admiralty Net Defence Scows was laid in Tuft's Cove, Halifax, N.S., and a new 3 Arm Mooring off Dartmouth Pier.

During the week, the Boom Defence crew at Bay Bulls, Nfld., succeeded in rescuing a sailing vessel and her crew of five off Columbine Point. The crew were about to abandon ship when the Boom Defence Vessel arrived.

B. DEFENSIVELY EQUIPPED MERCHANT SHIPPING

Inspections this week totalled 45.

Gun-mounting was completed on 6 ships, and 4 others are in hand for arming.

C. ANTI-SUBMARINE

The quantity of instructional equipment necessary for the A/S School at Deep Brook and for the new Night Escort Teachers is now under review. Action will be taken immediately to provide all essential A/S equipment.

A statement has been prepared showing, in six monthly periods, the requirements for the next 18 months, of each type of A/S and E/S equipment required for New Construction Ships, ships now in commission, A/S Schools, A/S Fixed Defence projects, etc., on a dollar basis.

D. DEGAUSSING

The ordering of degaussing material for installation on the last two Tribal destroyers building in Canada has been deferred for the time being.

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It has been found necessary to separate the two steel field frames for the Motor Generator sets building for Canadian Naval Vessels, with a silicon bronze casting, to prevent the magnetic fields of one Machine from interfering with those of another.

E. RESEARCH

Trials in Halifax of the 50' Hydrofoil Target indicate the superiority of this length of Target over the other sizes tested.

All of the equipment, with the exception of the control units at present undergoing test at Schenectady, N.Y., is now completed for the two installations of Diffusion Lighting Gear.

Tests are being carried out with the following:

Electric Fuse Filling
Bulkhead Glands
Anti-Gas Clothing material
Fuel Oil

F. ORDNANCE

Arrangements for the provision of Fire Control for the Auxiliary Cruiser "PRINCE ROBERT" are now complete and most of the necessary material and instruments are ready for installation.

Air Lookout Sights are now in supply; the contract for the manufacture of these will shortly be completed.

A further order for 60 Hedgehogs has been placed and these will be delivered from the United Kingdom for mounting in Corvettes. Some mountings have been received but production and delivery of Director equipment for these mountings has again been delayed in the U.K.

Production of Hedgehog ammunition has not yet commenced in Canada, but the development is well in hand and deliveries may be expected in about three months. In the meantime, requirements are being met from United Kingdom production.

G. STORES

The equipment purchased by the Naval Stores amounted this week to $44,592.00.

Distribution

Report of Department of National Defence

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Military Secretary (for Minister of N.D.)
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MERCHANT SHIPPING CASUALTIES

SECRET Report No. 1 for week ending January 4th,1942. N.S. 1048-47-5

(A) Shipping attacked, damaged or sunk by enemy action in U.S. strategic area north of the equator (See note, page 3)

	NAME	TONS	TIME	POSITION	DETAILS
1A	"EMPIRE SHACKLETON" (Br. cargo)	7068	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
2A	"VILLE DE ROUEN" (Br. cargo)	5598	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
3A	"NORSE KING" (Nor. cargo)	5701	Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed proceeding independently southward.
4A	"BARON COCHRANE" (Br. cargo)	3385	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
5A	"ZARIAN" (Br. cargo)	4871	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
6A	"LYNTON GRANGE" (Br. cargo)	5029	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
7A	"PRESIDENT FRANCQUI" (Be. tanker)	4919	Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
8A	"MELMORE HEAD" (Br. cargo)	5273	2225Z Dec.28.	43° 17'N 27° 22'W (approx)	Torpedoed and sunk.
9A	"JASPER PARK" (Br. cargo)	7130	Dec.28.	43° 17'N 27° 22'W (approx)	Missing and presumed attacked.
10A	"EMPIRE WAGTAIL" (Br. cargo)	4893	Dec.28.	43° 17'N 27° 22'W (approx)	Missing and presumed attacked.
11A	"TREWORLAS" (Br. cargo)	4692	1845Z Dec.28.	10° 52'N 60° 45'W	Torpedoed and sunk. 9 survivors out of 48 crew landed Trinidad.
12A	"PADEREWSKI" (Pol. cargo)	4426	0735Z Dec.30.	10° 52'N 60° 25'W	Shelled. Torpedoed and sunk. 2 missing, master and 37 landed Trinidad.

TOTAL 45,261 tons 8 cargo, 1 tanker, 9 ships reported this week.

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(Im U.S. strategic area and north of the equator)

1B	"E.H. BLUM" (Am. tanker)	11615	2313Z Dec.29.	038° 27'N 074° 56'W	Grounded. Broke in half.
2B	"OUTARDE" (Br. cargo)	2241	Jan.3/43	47° 00'N 56° 30'W	Aground.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator in U.S. strategic area)

JANUARY	23 Cargo &	16 Tankers	TOTAL	39 Ships	228,239 Tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	483,779
APRIL	37	22		59	347,618
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	15		79	406,886
SEPTEMBER	47	12		59	279,739
OCTOBER	36	6		42	249,644
NOVEMBER	46	5		51	295,091
DECEMBER	20	2		22	124,253
TOTAL	581 Cargo	201 Tankers	TOTAL	782 Ships	4,171,815 Tons.

SHIPPING LOST DUE TO GROUNDING AND COLLISION.

JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	9,918 Tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER	7	0		7	10,383
TOTAL	52 Cargo	1 Tanker	TOTAL	53 Ships	138,618 Tons.

CANADIAN COASTAL AREA INCLUDED IN ABOVE.

JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons.
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	11		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	21	8		29	159,296
OCTOBER	17	7		24	168,940
NOVEMBER	20	1		21	121,987
DECEMBER	13	2		15	93,387
TOTAL TOTAL	155 Cargo	36 Tankers	TOTAL	191 Ships	1,108.221 Tons.

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NOTE: The are covered by this report has been extended to include the West Atlantic north of the equator and west of the eastern limit of the U.S. Strategic area. This new boundary runs from the North Pole south on 10° W to 60° N thence on rhumb-line to 57° N 26° W. south on 26° W to 43° N west on 43° to 40° W south on 40° W to 20° N and thence by rhumb-line to the equator at 21°W. Positions of attacks are tabulated as follows;

(A) Canada- U.K. shipping lanes-North of 40° North, East of coastal waters and West of the boundary of the U.S. Strategic area.

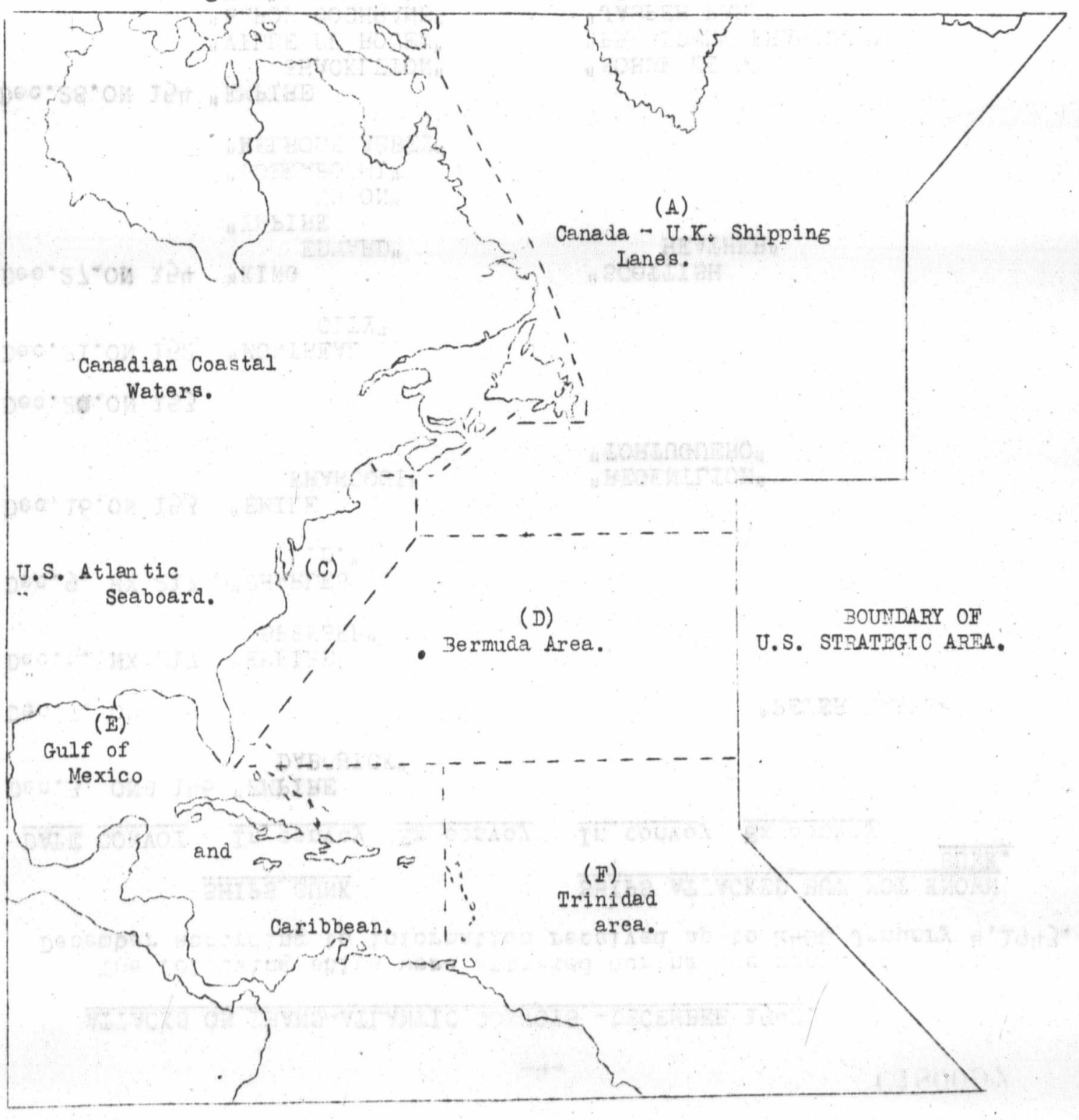
(B) Canadian coastal waters.- The river and Gulf of St. Lawrence and the coastal waters of Canada and Newfoundland.

(C) U.S. Atlantic seaboard south of Canadian waters West of 65°W to 40° N and the rhumb-line joining 40° N 65°W and 25° N 80° W; north of Key West.

(D) Bermuda area, East of (C) between 25° and 40° N and West of 40°W.

(E) Caribbean and Gulf of Mexico South of U.S. South coast to Key West thence south of 25° N to 58° W; West of 58°W.

(F) Trinidad area. East of 58° W between 0° and 25° N West of U.S. Strategic area boundary. See sketch map.



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ATTACKS ON TRANS-ATLANTIC CONVOYS -DECEMBER 1942.

The following ships were attacked during the month of December according to information received up to 2400 January 4,1943.

		SHIPS SUNK		SHIPS ATTACKED BUT NOT KNOWN SUNK.	
DATE	CONVOY	In convoy	Ex convoy	In convoy	Ex convoy
Dec.3.	ONS 146	"EMPIRE DABCHICK"			
Dec.7.	ON 149		"CERAMIC"		"PETER MAERSK"
Dec.8.	HX 217	"EMPIRE SPENSER"			
Dec.9.	HX 217	"CHARLES L.D.".			
Dec.16.	ON 153	"EMILE FRANCQUI"		"REGENTLION" "TORTUGUERO"	
Dec.20.	ON 153				
Dec.21.	ON 152	"MONTREAL CITY"			
Dec.27.	ON 154	"KING EDWARD" "EMPIRE UNION" "SOEKABOEMI" "MELROSE ABBEY"		"SCOTTISH HEATHER"	
Dec.28.	ON 154	"EMPIRE SHACKLETON" "VILLE DE ROUEN" "BARON COCHRANE" "ZARIAN" "LYNTON GRANGE" "MELMORE HEAD"		"NORSE KING" "PRESIDENT FRANCQUI" "JASPER PARK" "EMPIRE WAGTAIL"	

TRANS-ATLANTIC CONVOYS.

The following table lists the numbers of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

MONTH	SHIPS CONVOYED	SHIPS SUNK		OTHER ATTACKS	
		In convoy	Ex convoy	In convoy	Ex convoy
AUGUST	735	21	2	4	-
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER	576	15	1	7	1

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DISTRIBUTION OF ATTACKS ON SHIPPING.

Attacks on merchant shipping during December were distributed as follows;

	SINKINGS.			OTHER ATTACKS.		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping lanes.	12	2	14	8	2	10
Bermuda area.	-	-	-	-	1	1
Trinidad area.	-	8	8	-	-	-
TOTAL	12	10	22	8	3	11

The following are the numbers of ships sunk within the U.S. strategic area north of the equator during the past four weeks. As only ships known to be sunk are included in these figures, this must be regarded as a minimum account of losses.

WEEK ENDING

Dec.14th.	5	cargo ships	1 tankers	6 ships	29,716 tons
Dec.21st.	1		1	2	9,283
Dec.28th.	10		0	10	51,924
Jan. 4th.	1		0	1	4,426

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 15th January, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 167

REPORT NO. 105

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 9th January, 1943.

	Enlistments		Deductions from Strength		Adjustments, Transfers, Promotions		Total Strength as of 9th January, 1943.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	8	0	0	1	1	0	561	3409	3970
RCNR	1	9	0	4	0	3	916	4957	5873
RCNVR	10	132	0	26	11	-16	4114	38537	42651
TOTAL	19	141	0	31	12	-13	5591	46903	52494
LESS DIV. STRENGTH							451	3314	3765
TOTAL ACTIVE SERVICE							5140	43589	48729
WRCNS	0	38	0	1	10	-10	51	807	858
GRAND TOTAL	19	179	0	32	22	-23	5191	44396	49587

B. CASUALTIES:

Harold Joseph HEMSWORTH, E.R.A. 5/Cl., V37509, R.C.N.V.R. - Discharged "Dead" 8.12.42.

Robert KERSHAW, Ch. E.R.A. 2/Cl., A1456, R.C.N.R. - Discharged "Dead" 31.12.42.

Alex Ronald KILN, Ldg. Smn., 2224, R.C.N. - Missing on War Service - 20.12.42.

Harold George McPHERSON, Stoker 11, V24554, R.C.N.V.R. - Injured on War Service, Died as result - 17.11.42.

Stanley OWEN, Ord. Smn., V22007, R.C.N.V.R. - Died on Active Service - 11.11.42.

George William THOMPSON, Convoy Ord. Sig., V23251, R.C.N.V.R. - Killed on War Service - 16.12.42.

George R. WALKER, Surg. Lt., R.C.N.V.R. (Temp) - Multiple wounds of the leg - 15.12.42.

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Total Deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	7	121	128
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 9th Jan., 1943.			Period from 31st Aug., 1939 to 9th Jan. 1943.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	19	141	160	4,697	49,142	53,839
Promotions from Lower Deck	13	-	13	883	-	883
Adjustments	-1	0	-1	-1	0	-1
	31	141	172	5,579	49,142	54,721
2. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	11	11)	248	3,282	3,530
--Other Reasons	0	10	10)			
Discharges from Div. Str.	0	4	4	15	906	921
Promotions	-	13	13	-	883	883
Casualties:						
--Killed on Active Service	0	2	2	82	644	726
--Other Deaths	0	4	4	10	79	89
Total Deductions	0	44	44	355	5,494	6,149
3. Net Increase	31	97	128	5,224	43,348	48,572
4. Personnel at Beginning of Period	5,560	46,806	52,366	367	3,555	3,922
5. PRESENT STRENGTH	5,591	46,903	52,494	5,591	46,903	52,494

W.R.C.N.S.	Officers	Ratings	Total
Enlistments to date	6	858	864
Promotions from Lower Deck	46	-46	-
	52	812	864
Discharges to Date	1	5	6
PRESENT STRENGTH	51	807	858

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 12th January, 1943.

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	85	1002	1087
Destroyers -			
- Tribals	28	318	346
- Rivers	54	865	919
- Towns	66	1031	1097
Corvettes	437	5214	5651
Fairmiles	111	670	781
M.T.B.	1	8	9
Patrol Boats	164	236	400
Fishermen's Reserve	4	432	436
Harbour Craft	10	288	298
Base Supply Ships	33	173	206
Aux. Tankers	5	81	86
Bangor M/S	352	3581	3933
Other M/S	50	355	405
Examination Vessels	32	345	377
Boom Attendant		15	15
Boom Maintenance	3	78	81
Looplayer	3	37	40
Gate Vessels	2	130	132
Tugs	18	164	182
Diving Boats		12	12
D.E.M.S.		185	185
Serving with R.N.	559	828	1387
TOTAL AFLOAT	2017	16048	18065

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	652	5986	6638
Cornwallis	193	2873	3066
Kings	255	210	465
Protector	85	678	763
Captor	51	227	278
Shelburne	30	223	253
Fort Ramsay	31	267	298
Chaleur	49	220	269
Hochelaga	36	167	203
St. Hyacinthe	41	888	929
	1423	11739	13162
Naden	234	4083	4317
Givenchy	158	1059	1217
Royal Roads	23	157	180
Chatham	55	468	523
Vancouver	103	175	278
	573	5942	6515
	1996	17681	19677

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ASHORE (Continued)

	Officers	Ratings	TOTAL
Brought Forward	1996	17681	19677
Avalon	282	2110	2392
Bytown	460	478	938
Bytown Div. II	16	334	350
Niobe	52	623	675
R.C.N.V.R. Divisions	302	6058	6360
	1112	9603	10715
Signal Stations		398	
Ports and Shipyards		28	
D.E.M.S. Ashore		44	
		470	470
TOTAL ASHORE	3108	27754	30862

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	21
Charlottetown	11	3
Saint John	10	5
Quebec	10	4
Montreal	44	113
Cartier	9	16
Ottawa	15	35
Kingston	8	15
Toronto	66	107
Hamilton	18	17
London	12	19
Windsor	10	16
Port Arthur	11	1
Winnipeg	17	8
Regina	11	0
Saskatoon	11	2
Edmonton	11	2
Calgary	12	0
Vancouver	16	11
Esquimalt	0	10
	302	405

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS

A. New Construction, week ended 11th January, 1943.

Launchings : Nil
Commissionings: Nil

B. Total Vessels in Commission, 11th January, 1943.

Auxiliary Cruisers	3
Destroyers	13
Corvettes	76
Minesweepers	62
Fairmile Motor Launches	51
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	320
TOTAL	527

C. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. escort vessels and H.M. and Allied ships operated by R.C.N. authorities which have been in service and under repair during the past week:

	In Service	Working Up	Boiler Cleaning or under Repairs 7 days or under	Under Refit or Repairs over 7 days	Total
No. of Escort Ships	171	19	7	35	232
Percentage	73.7%	8.2%	3.0%	15.1%	100%

D. There are 232 escort vessels operated by R.C.N. authorities, of which 171 or 73.7 per cent are in service, excluding those under minor repair or boiler cleaning.

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 9th January, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 2nd Jan. (Revised)	Week Ended 9th Jan.
Canadian Coastal Convoys			
HS & SH	Halifax & Sydney	15	17
HJ & JH	Halifax & St. John's, Nfld.	2	15
HF & FH	Halifax & St. John, N.B.	15	11
SQ & QS	Sydney & Quebec	-	-
SB & BS	Sydney & Cornerbrook	5	1
LC & CL	Sydney & St. John's, Nfld.	2	2
BW & WB	Sydney & Wabana	12	-
SPAB	Sydney & Port aux Basques	7	4
LN & NL	Quebec & Labrador	-	-
JN & NJ	St. John's, Nfld. & Labrador	-	1
		58	51
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Short Title	Terminal Ports	Week Ended 2nd Jan. (Revised)		9th Jan.	
	Brought Forward		58		51
Atlantic Convoys					
HX & SC	North America/U.K.	73		93	
ON & ONS	U.K./North America	28		57	
HON	Halifax/New York (via ON)	4		-	
HON	Halifax/New York (via ONS)	12		5	
WON	St. John's, Nfld./New York (via ON)	1		-	
WON	St. John's, Nfld./New York (via ONS)	-		-	
ONS(J)	Iceland/North America	7		-	
			125		155
Caribbean Convoys					
NG & GN	New York & Guantanamo	85		93	
			85		93
	T O T A L		268		299
Gross Tonnage of Ships Convoyed					
	Canadian Coastal Convoys	174,689		159,304	
	Atlantic Convoys	760,056		930,561	
	Caribbean Convoys	584,493		602,457	
	T O T A L	1,519,238		1,692,322	

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

2. The Admiralty is being requested to allow 8 R.N. Western Isle Trawlers to remain in Canada until the 17 Torch Corvettes are returned.

3. The escort of convoy SC 111 experienced considerable success in refuelling at sea. It completed 11 successful fuellings from 2 tankers during 5 of 13 days of the voyage using $2\frac{1}{2}$ inch canvas hose and the alongside method. The average wind was 20 knots and sea conditions 3. The average rate of flow of oil was 14.2 tons per hour.

4. HS - SH Convoys (between Halifax and Sydney) and BW - WB Convoys (between Sydney and Wabana) have been discontinued and in their place the HJ - JH Convoys (between Halifax and St. John's, Nfld.) will be routed so as to pass Scatari Island in daylight to enable ships for Louisburg and Sydney to join and be detached. The HJ - JH Convoys will be sailed at five day intervals, escorted by pairs of Bangor Minesweepers.

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ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canada/U.K. Sea Lanes

1. One ship which straggled from Convoy SC 115 was attacked and sunk by a U-boat east of Cape Farewell on 10th January.

2. Losses sustained by North Atlantic Trade Convoys, on the basis of information received up to 2400 11th January, are as follows:

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	604	15	2.5
1943			
January 1 - 11	152	6	3.9

(b) Caribbean/Mediterranean Sea Lanes

Convoy TM 1

The first tanker convoy from the Caribbean to the Mediterranean suffered heavy losses.

This convoy, consisting of nine tankers, escorted by H.M. destroyer "HAVELOCK" and H.M. corvettes "GODETIA", "PIMPERNEL" and "SAXIFRAGE", left Trinidad on 28th December with a speed of advance of 8.5 knots.

A change was made in the convoy's routeing, but for reasons not ascertained, the convoy remained on its original course. Presumably in consequence, the convoy ran into U-boat patrols, and attacks began on 3rd January when a British tanker was torpedoed and sunk in Mid-Ocean. Diversion signals were sent, but apparently not received, as the convoy did not alter course. On 8th January a second attack sank another British tanker and a Norwegian tanker. These attacks continued into the following day, and by 0700Z on the 9th, three more tankers had been lost. A seventh tanker was sunk during the night of 10th January.

The two remaining tankers are now proceeding with increased escort to Gibraltar. No further attacks have been reported.

The escort reports that numerous counter-attacks were made, four of them resulting in possible damage to U-boats, though there was no conclusive evidence of this.

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iii. Counter-Attacks on U-boats

1. U.S.S. "ALGONQUIN" attacked a submerged contact 25 miles north of Cape Race with unknown results.

2. A U-boat was attacked south east of Nantucket Island on 6th January.

iv. Marine Losses

1. H.M.C.S. "FRENCH" which ran aground off St. John Harbour 4th January refloated at high water. It is believed the dome and oscillator were lost, but further examination is required to determine the full extent of the damage.

2. SS "OUTARDE", which was aground on Miquelon Island, was refloated by the tug "BEARNAIS" and towed to St. Pierre 6th January.

3. The Tug "CHAMPLAIN" which was aground at Lawn Bay, Newfoundland, has been refloated and towed by H.M.R.T. "FRISKY" to a St. Lawrence port.

4. U.S.S. "BENNINGTON" ran aground off Halifax on 6th January.

5. The foundering of two ships was reported during the week. SS "MAIDEN CREEK" ex ON 152 went down off Nantucket 31st December and SS "HAMILDOC" sank south of Trinidad on 1st January.

B. PACIFIC

1. H.M.C.S. "SURF" (Fishermen's Reserve) was lost off Cape Cook, west coast of Vancouver Island on 10th January. The crew was saved and H.M.C.S. "VAN ISLE" was despatched to pick them up.

2. SS "CROTAVA" was attacked by U-boats 750 miles west of the Panama Canal on 10th January.

C. ALEUTIANS

1. No enemy activity was observed on 1st January in Gareloi, Semiopochnoi and Sitkin Islands. However, six B24 and nine P38 planes met six Zeros in the air and observed three more on the beach at Kiska. Bombs were dropped, but results are unknown. One group of P 38's attacked two Jap fighters, one of which was last seen in flames. All our aircraft returned undamaged.

2. A Catalina was lost in action with Japanese aircraft on 2nd - 3rd January.

3. The last merchant ship to arrive at Kiska was observed to have her hatches open, indicating discharge of cargo.

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4. Japanese activity in the Aleutians indicates that they are endeavouring to build up their air strength in that area.

IV. WORKS

A. BOOM DEFENCE

Because of ice conditions in Sydney Harbour, Fairmiles and Minesweepers have been based at the Boom Defence Depot.

It is reported from Sydney that approximately 10 tons of Concrete Blocks, to be used as ballast, have been manufactured for "Operations".

Blake's Stoppers have been installed in the Anti-Boat Boom, Metlakatla Passage (Prince Rupert), for the purpose of enabling the Army to open the Boom in case of emergency.

B. ANTI-SUBMARINE

In order that additional Submarine Detector Ratings may be provided, it has been decided to revise and shorten the training curriculum. Total numbers trained per month are to be increased immediately from 80 to 100, and in April 1943, from 100 to 150. Arrangements have also been agreed upon for the provision of A/S (Artificer) training to electrical artificers trained elsewhere.

Study has been given to methods of obtaining optimum output from research facilities, and as a result, a workable organization has been agreed upon with the National Research Council, this to include research groups not in Ottawa.

The present A/S Research set-up has also made it possible to furnish R.D.F. Research Division with a solution to an important problem in connection with radio-controlled mechanism.

Amplifier Indicator for Loops, and the A/S Target Project, are being put into production.

A substitute has been obtained for Polystyrene for Plotter Bars whereby a superior finished article at a lowered cost can be made from material readily available.

An order has been placed for sufficient A/S Sets, Type 144, with Spares, to fit 47 ships of new construction. Financial approval has been obtained for 110 Echo Sounding Sets of a certain type, which together with equipment now on order will provide for all ship programmes now under way.

C. DEGAUSSING

Admiralty have requested that manufacturing specifications for the paper insulated, lead sheathed Degaussing cable, used on low voltage Degaussing installations, be forwarded for their information.

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The Director of Works and Buildings has been requested to consider the supply of a small chlorinating plant for the water supply at the Degaussing Range, Quebec.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 53.

Gun-mounting was completed on one ship, and 4 others are in hand for arming.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $461,960.97.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
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C180109

MERCHANT SHIPPING CASUALTIES

SECRET Report No.2. for week ending January 11,1943. NS 1048-47-5

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN U.S. STRATEGIC AREA NORTH OF THE EQUATOR.

	NAME	TONS	TIME	POSITION	DETAILS
13A	"BRAGELAND" (Swed. cargo)	2608	1153Z Jan.1.	00° 19'N 37° 38'W	Torpedoed and sunk.
14A	"BRITISH VIGILANCE" (Br. tanker)	8093	Jan.3.	20° 58'N 44° 40'W	Torpedoed and sunk.
15A	"AMERICAN TRADER" (Am. tanker)	8862	0832Z Jan.8.	38° 17'N 73° 47'W	One torpedo missed.
16A	"BROAD ARROW" (Am. tanker)	7718	Jan.9.	07° 12'N 55° 37'W	Torpedoed and presumed sunk.
17A	"MINOTAUR" (Am. tanker)	4553	Jan.9.	07° 12'N 55° 37'W	Torpedoed and presumed sunk.
18A	"COLLINGSWORTH" (Am. cargo)	5101	Jan.9.	07° 12'N 55° 37'W	Torpedoed and presumed sunk.
19A	"BIRMINGHAM CITY" (Am. cargo)	6194	Jan.9.	07° 12'N 55° 37'W	Torpedoed and presumed sunk.
20A	"W.W. BRUCE" (Am. cargo)	6728	1500Z Jan.10.	58° 11'N 26° 33'W	Attacked. No further information.
21A	"DALCROSS" (Br. cargo)	4557	1415Z Jan.11.	06° 11'N 52° 23'W	Attacked. No further information.

TOTAL SUNK 34,267 tons, 5 cargo, 1 tanker reported this week.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

22A	"COAMO" (Am. cargo)	7057 Tons	Due New York Dec.10 from Gibraltar.	Overdue and presumed lost.

(P) MERCHANT SHIPPING ATTACKED IN PACIFIC COASTAL AREA.
(North American West Coast)

14P	"CROTAVA" (Ho. cargo)	2711	Jan.10.	11° 01'N 91° 55'W	Attacked. No further information.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

918A	"EMPIRE DABCHICK" (Br. cargo)	See report no.47	Dec.7.	Torpedoed while straggling Now presumed sunk.
943A	"SCOTTISH HEATHER"	See report no.50	Dec.28.	Reported torpedoed arrived United Kingdom.
2B	"GUTARDE" (Br. cargo)	See report no.50	Dec.28.	Reported aground, now refloated by tug "BEARNAIS"

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE (North of the Equator within U.S. Strategic area) CAUSES.

3B	"EUREKA" (Can. tug)	170	Dec.24.	48° 00'N 65° 00'W	Missing.
4B	"ANTIGONE" (Br. cargo)	4545	1045Z Dec.28.	58° 02'N 14° 20'W	Destroyed by fire.
5B	"MAIDEN CREEK" (Am. cargo)	5031	Dec.31.	39° 36'N 71° 00'W	Reported foundering survivors picked up 3rd. January.
6B	"HAMILDOC" (Br. cargo)	1926	Jan.1.	09° 15'N 60° 29'W	Foundered, sank.
7B	"BENNINGTON" (Am. tanker)	10,172	Jan.6.	41° 40'N 70° 40'W (approx)	Aground Bird Island Flats, Buzzard Bay, Mass.
8B	"NORWALK" (Am. cargo)	2157	Jan.10.	28° 18'N 80° 00'W	Sunk in collision with "NIDAREID"

TOTAL 8,628 tons 3 cargo, 0 tankers reported this week.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator in U.S. strategic area)

1942

JANUARY	24 Cargo &	16 Tankers	TOTAL	40 Ships	233,508 Tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	487,428
APRIL	38	22		60	353,626
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	16		80	412,614
SEPTEMBER	49	12		61	283,808
OCTOBER	38	7		45	280,113
NOVEMBER	50	5		55	304,521
DECEMBER	22	2		24	130,520
TOTAL	593 Cargo	203 Tankers	TOTAL	796 Ships	4,242,704 Tons.

1943

JANUARY (to 11th)	4 Cargo	2 Tankers	TOTAL	6 Ships	34,267 Tons.

SHIPPING LOST NORTH OF 40° N. WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942

JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons.
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	1		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	22	8		30	159,802
OCTOBER	17	7		24	168,940
NOVEMBER	21	1		22	133,415
DECEMBER	14	2		16	99,476
TOTAL	158 Cargo	36 Tankers	TOTAL	194 Ships	1,126,244 Tons

1943

JANUARY (to 11th)	0 Cargo	0 Tankers	TOTAL	0 Ships	00,000 Tons.

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SHIPPING LOST DUE TO GROUNDING AND COLLISION.

1942.

JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	9,918	Tons
FEBRUARY	4	1		5	22,145	
MARCH	3	0		3	11,701	
APRIL	5	0		5	17,731	
MAY	5	0		5	17,840	
JUNE	4	0		4	5,660	
JULY	5	0		5	11,393	
AUGUST	3	0		3	7,282	
SEPTEMBER	2	0		2	4,634	
OCTOBER	6	0		6	13,921	
NOVEMBER	6	0		6	6,110	
DECEMBER	8	0		8	14,928	
TOTAL	53 Cargo	1 Tankers	TOTAL	54 Ships	143,263	Tons.

1943

JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	4,083	Tons.

DISTRIBUTION OF ATTACKS ON SHIPPING DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada U.K. shipping lanes.	11	-	11	6	-	6
Caribbean	-	-	-	-	1	1
Trinidad Area	5	3	8	-	1	1
TOTAL	16	3	19	6	2	8

SHIPPING LOSSES IN U.S. STRATEGIC AREA BY WEEKS.

WEEK ENDING

Dec.21st.	1	cargo	ships	1	tanker	2	ships	9,283	tons
Dec.28th.	10	"	"	0	"	10	"	51,924	"
Jan.4th.	2	"	"	1	"	3	"	15,127	"
Jan.11th.	4	"	"	0	"	4	"	23,566	"

N.B. These figures include only ships known to be sunk and will have to be revised upwards considerably later.

AVERAGE WEEKLY LOSSES IN 1942.

(a) In U.S. strategic are north of the equator.

15.9 ships per week.
5,317 tons per ship.
84,245 tons per week.

(b) In Canadian zone and Canada U.K. shipping lanes North of 40° N.

3.9. ships per week.
5,805 tons per ship.
22,525 tons per week.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

The following ships have been attacksed, damaged or sunk by enemy action since December 14th, (information as received by 2400 January 11th,1943).

	SHIPS SUNK.		ATTACKED BUT NOT KNOWN SUNK.	
DATE	CONVOY	IN CONVOY EX CONVOY	IN CONVOY	EX CONVOY
Dec.16.	ON 153	"EMILE FRANCQUI"#	"TORTUGEURO"# "REGENT LION"# "OTINA"	
Dec.20.	ON 153			
Dec.21.	ON 152	"MONTREAL CITY"		
Dec.27.	ONS 154	"KING EDWARD". "EMPIRE UNION" "SOEKABOEMI" MELROSE ABBEY"		"SCOTTISH HEATHER"
Dec.28.	ONS 154	"EMPIRE SHACKLETON" "VILLE DE ROUEN" "BARON COCHRANE" "ZARIAN" "LYNTON GRANGE" "MELMORE HEAD"	"NORSE KING" "PRESIDENT FRANCQUI" "JASPER PARK" "EMPIRE WAGTAIL"	
Jan.3.	TM 1	"BRITISH VIGILANCE"		
Jan.8.	TM 1	"OLTENIA"# "ALBERT ELLSWORTH"#		
Jan.9.	TM 1	"NORVIK"# "MINISTER WEDEL"# "EMPIRE LYTTON"#		
Jan.10.	SC 115		"W.W. BRUCE"	

# Indicates attack outside of U.S. STRATEGIC AREA.

MOST SECRET TRANS-ATLANTIC CONVOYS,

The following table lists the numbers of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

	SHIPS CONVOYED	SHIPS SUNK		OTHER ATTACKS	
		In convoy	Ex convoy	In convoy	Ex convoy
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER	604	15	1	7	1
JANUARY(1943) (to 11th)	152	6	-	1	-

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MOST SECRET

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 22nd January, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 168

REPORT NO. 106

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Week Ended 16th January, 1943. Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 16th January, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	3	0	1	1	1	0	564	3408	3972
RCNR	2	13	1	8	0	0	917	4962	5879
RCNVR	25	197	0	32	5	-6	4144	38696	42840
TOTAL	30	210	2	41	6	-6	5625	47066	52691
LESS DIV. STRENGTH							465	2950	3415
TOTAL ACTIVE SERVICE							5160	44116	49276
WRCNS	0	82	0	1	4	-4	55	884	939
GRAND TOTAL	30	292	2	42	10	-10	5215	45000	50215

B. CASUALTIES:

Fred J.D. BRINSON, Sto. 2/cl., V32938, RCNVR - Missing, presumed killed on war service 18.12.42.

James A. GRAHAM, Able Smn., A4193, RCNR -- Accidentally killed 13.1.43.

James H. McCAPPIN, A/Sto. P.O., V22284, RCNVR - Missing on active service 31.12.42.

Jos. Dollard POULIOT, E.R.A. 4/cl., A2901, RCNR - Discharged "Dead" 8.1.43.

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Total Deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	7	121	128
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 16th Jan., 1943			Period from 31st Aug., 1939 to 16th Jan. 1943.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	30	210	240	4,726	49,352	54,078
Promotions from Lower Deck	6	-	6	889	-	889
	36	210	246	5,615	49,352	54,967
2. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	17	17)	250	3,307	3,557
--Other Reasons	2	8	10)			
Discharges from Div. Str.	0	12	12	15	918	933
Promotions	-	6	6	-	889	889
Casualties:						
---Killed on Active Service	0	2	2	82	646	728
---Other Deaths	0	2	2	10	81	91
Total Deductions	2	47	49	357	5,841	6,198
3. Net Increase	34	163	197	5,258	43,511	48,769
4. Personnel at Beginning of Period	5,591	46,903	52,494	367	3,555	3,922
5. PRESENT STRENGTH	5,625	47,066	52,691	5,625	47,066	52,691

W.R.C.N.S.

	Officers	Ratings	Total
Enlistments to date	6	940	946
Promotions from Lower Deck	50	-50	-
	56	890	946
Discharges to date	1	6	7
PRESENT STRENGTH	55	884	939

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 19th January, 1943.

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	87	1007	1094
Destroyers -			
- Tribals	28	363	391
- Rivers	58	872	930
- Towns	69	955	1024
Corvettes	433	5312	5745
Fairmiles	115	753	868
M.T.B.	1	7	8
Patrol Boats	175	230	405
Fishermen's Reserve	4	430	434
Harbour Craft	12	291	303
Base Supply Ships	32	171	203
Aux. Tankers	5	81	86
Bangor M/S	343	3602	3945
Other M/S	50	355	405
Examination Vessels	33	340	373
Boom Attendant		14	14
Boom Maintenance	3	78	81
Looplayer	3	44	47
Gate Vessels	2	133	135
Tugs	18	161	179
Diving Boats		12	12
D.E.M.S.		170	170
Serving with R.N.	560	893	1453
TOTAL AFLOAT	2031	16274	18305

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	660	5700	6360
Cornwallis	188	3084	3272
Kings	253	211	464
Protector	82	620	702
Captor	50	227	277
Shelburne	30	234	264
Fort Ramsay	20	263	283
Chaleur	46	203	249
Hochelaga	36	133	169
St. Hyacinthe	40	857	897
	1405	11532	12937
Naden	250	4350	4600
Givenchy	160	1160	1320
Royal Roads	23	157	180
Chatham	54	460	514
Vancouver	99	171	270
	586	6298	6884
	1991	17830	19821

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ASHORE (Continued)

	Officers	Ratings	TOTAL
Brought Forward	1991	17830	19821
Avalon	277	2084	2361
Bytown	466	439	905
Bytown Div. II	16	304	320
Niobe	53	495	548
R.C.N.V.R. Divisions	314	6071	6385
	1126	9393	10519
Signal Stations		426	
Ports and Shipyards		33	
D.E.M.S. Ashore		57	
		516	516
TOTAL ASHORE	3117	27739	30856

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	21
Charlottetown	11	4
Saint John	10	5
Quebec	12	4
Montreal	46	126
Cartier	9	16
Ottawa	20	31
Kingston	9	15
Toronto	65	108
Hamilton	21	19
London	12	20
Windsor	10	18
Port Arthur	11	1
Winnipeg	16	8
Regina	11	0
Saskatoon	11	2
Edmonton	11	2
Calgary	12	3
Vancouver	17	12
Esquimalt	0	10
	314	425

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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Base Supply Ships	32	171	203
Aux. Tankers	5	81	86
Bangor M/S	343	3602	3945
Other M/S	50	355	405
Examination Vessels	33	340	373
Boom Attendant		14	14
Boom Maintenance	3	78	81
Looplayer	3	44	47
Gate Vessels	2	133	135
Tugs	18	161	179
Diving Boats		12	12
D.E.M.S.		170	170
Serving with R.N.	560	893	1453
TOTAL AFLOAT	2031	16274	18305

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
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St. Hyacinthe	40	857	897
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Naden	250	4350	4600
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Royal Roads	23	157	180
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	586	6298	6884
	1991	17830	19821

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Niobe	53	495	548
R.C.N.V.R. Divisions	314	6071	6385
	1126	9393	10519
Signal Stations		426	
Ports and Shipyards		33	
D.E.M.S. Ashore		57	
		516	516
TOTAL ASHORE	3117	27739	30856

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	21
Charlottetown	11	4
Saint John	10	5
Quebec	12	4
Montreal	46	126
Cartier	9	16
Ottawa	20	31
Kingston	9	15
Toronto	65	108
Hamilton	21	19
London	12	20
Windsor	10	18
Port Arthur	11	1
Winnipeg	16	8
Regina	11	0
Saskatoon	11	2
Edmonton	11	2
Calgary	12	3
Vancouver	17	12
Esquimalt	0	10
	314	425

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS

A. New Construction, week ended 18th January, 1943.

Launchings:

Ship	Class	Date of Launching	Estimated Date of Completion
HMCS PRINCE RUPERT	(CN381) Frigate	23rd Jan.	July
HMCS WENTWORTH	(CN384) Frigate	15th Feb.	August

Commissionings: Nil

B. Total R.C.N. Vessels in Commission, 18th January, 1943.

Auxiliary Cruisers	2
Destroyers	12
Corvettes	76
Minesweepers	61
Motor Launches	50
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	319
T O T A L	522

C. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. escort vessels and H.M. and Allied ships operated by R.C.N. authorities which have been in service and under repair during the past week:

	In Service	Working Up	Boiler Cleaning or under Repairs 7 days or under	Under Refit or Repairs over 7 days	Total
No. of Escort Ships	169	16	11	34	230
Percentage	73.5%	6.9%	4.8%	14.8%	100%

D. Transfer of Three R.C.N. Motor Launches to Fighting French

The official ceremony for the transfer to the Fighting French Command of three R.C.N. Motor Launches - ML 052, ML 062 and ML 063 was held at Halifax on 16th January. Rear Admiral L.W. Murray, on behalf of the R.C.N. made the presentation to Lt. Commander Maucotel, Senior Fighting French Naval Officer in command.

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 16th January, in whose protection the R.C.N. participated:-

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Short Title	Terminal Ports	Week Ended 9th Jan. (Revised)		Week Ended 16th Jan.	
Canadian Coastal Convoys					
HS & SH	Halifax & Sydney	17		6	
HJ & JH	Halifax & St. John's, Nfld.	15		25	
HF & FH	Halifax & St. John, N.B.	11		23	
SQ & QS	Sydney & Quebec	-		-	
SB & BS	Sydney & Cornerbrook	1		-	
LC & CL	Sydney & St. John's, Nfld.	2		-	
BW & WB	Sydney & Wabana	-		-	
SPAB	Louisburg & Port aux Basques	4		2	
LN & NL	Quebec & Labrador	-		-	
JN & NJ	St. John's, Nfld. & Labrador	1		-	
HON	Halifax & New York (via ONS)	5		8	
HON	Halifax & New York (via ON)	-		-	
WON	St. John's, Nfld. & New York (via ONS)	4		-	
WON	St. John's, Nfld. & New York (via ON)	-		2	
			60		66
Atlantic Convoys					
HX & SC	North America/U.K.	93		107	
ON & ONS	U.K./North America	57		56	
ONS(J)	Iceland/North America	-		11	
			150		174
Caribbean Convoys					
NG & GN	New York & Guantanamo	88		59	
			88		59
	T O T A L		294		299

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	195,565	228,803
Atlantic Convoys	912,952	1,107,614
Caribbean Convoys	602,457	363,591
T O T A L	1,710,974	1,700,008

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

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ii. Enemy Attacks on Seaborne Trade
(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters

1. Estimated position of U-boats north of 40° N and West of 40° W is as follows:

One patrolling between Cape Sable and Sable Island.
Three within 150 miles of Virgin Rocks.
Up to 17 patrolling convoy routes.

2. Three sightings of U-boats were made in Newfoundland - Nova Scotia area during the week, two in the vicinity of Sable Island and one near the entrance to Placentia Bay, Newfoundland.

(b) Canada/U.K. Sea Lanes

1. One ship was sunk in Canada - U.K. Sea Lanes during the week. SS "VESTBOLD" of Convoy HX 222 was torpedoed and sunk 250 miles south west of Iceland on 17th January.

2. H.M.C.S. "ST. CROIX" and "SHEDIAC" and H.M.S. "CHESTERFIELD" escorting HX 222 carried out vigorous attacks on a U-boat in the vicinity of SS "VESTBOLD".

3. The delayed report of the sinking of SS "EMPIRE WAGTAIL" of Convoy ONS 154 brought to 13 the number of ships sunk in this convoy of 47 merchant ships. All other ships in ONS 154 are now accounted for.

4. A U.S. Catalina plane also made two attacks on U-boats in this area. Results are unknown.

5. Losses sustained in convoys operating between North America and the United Kingdom, on the basis of information received up to 2400, 18th January, are as follows:

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	604	19	3.1
1943			
January 1 - 18	326	7	2.1

..... 8

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iii. Marine Casualties

1. H.M.C. Minesweeper "FORT WILLIAM" came into collision with H.M.C. Tug "LISGAR" in Halifax on 11th January causing considerable damage to the "LISGAR".

2. The bridge of H.M. Destroyer "ROXBOROUGH" was carried away in bad weather south of Cape Farewell during the night of 14th/15th January. The Commanding Officer and a rating were swept overboard. The First-Lieutenant later died. H.M. Tug "FRISKY" and H.M.C. Minesweeper "STRATFORD" were despatched to give assistance, but "ROXBOROUGH" was able to reach St. John's, Newfoundland, under her own steam.

B. PACIFIC

Marine Casualties

1. S.S. "NORTHHOLM", a vessel of 447 tons, sank off Cape Scott south east of Cox Island on 16th January. Two survivors and 15 dead, believed to be the entire crew, have been taken by H.M.C.S. "CHAMIS BAY" and "BILLOW" from Raft Cove to Port Alice.

2. H.M.C.S. "LEELO" and "SAN TOURAS" (patrol craft) are attempting to salvage H.M.C. patrol and examination vessel "SURF" which ran aground on the west coast of Vancouver Island 10th January. "SURF's" hull is reported beyond repair, but an effort is being made to recover the maximum in salvage.

IV. R.C.N. SHIPS ON LOAN

1. In view of the necessity of introducing direct tanker convoys from the Caribbean to the United Kingdom and North Africa, and of re-starting the U.K. - Freetown convoys, the Admiralty are re-allocating a number of escort vessels. As part of this measure, the Admiralty propose to employ in the Mediterranean all 17 corvettes on loan from R.C.N. escort groups for the North Africa Operations. These ships, consisting of 16 R.C.N. corvettes and 1 R.N. corvette formerly on loan to the R.C.N., all of them manned by Canadian Naval personnel, will be under the operational control of Naval Commander "X" Force and administered by Captain "D", Gibraltar. At present, eight of these corvettes are under the command of NCXF and the remaining nine are leaving the U.K. shortly as the escort for Convoy KMS 8 (U.K. to North Africa).

On 16th January, H.M.C.S. "VILLE DE QUEBEC" rammed and sank a German U-boat 100 miles north east of Oran. One survivor from the U-boat was picked up. The "VILLE DE QUEBEC" was able to proceed at convoy speed after the ramming.

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2. Six other R.C.N. Corvettes are under the operational control of the U.S. Commander of the Eastern Sea Frontier, employed in escort duty between the Caribbean and New York. The U.S. Chief of Staff advised during the week that the Commander in Chief of the U.S. Fleet is prepared to release these corvettes by 15th March, 1943. The ships involved are: H.M.C.S. "SNOWBERRY", "HALIFAX", "OAKVILLE", "FREDERICTON", "LETHBRIDGE" and "SUDBURY".

3. Also on loan to the U.S.N. are the 72nd and 73rd Flotillas, comprising 12 R.C.N. Motor Launches, attended by the Base Supply Ship "PROVIDER". These Flotillas arrived in New York on 16th January enroute to Guantanamo. They will be assigned to patrol and escort duty in the Caribbean.

4. The Cabinet War Committee has approved the temporary transfer to the Eastern Atlantic of the four "C" groups in the Mid-Ocean Escort Force.

The 5 R.C.N. Destroyers and 26 R.C.N. Corvettes involved in this transfer will be assigned to U.K. - Gibraltar convoys which will release long-leg escort ships for direct Caribbean - U.K. tanker convoys. The transfer will reduce the Mid-Ocean escorts from 11 to 8 groups, and will necessitate the opening of the North Atlantic convoy cycle to ten days. It is planned to have the R.C.N. ships returned to Canadian waters not later than May 1943.

5. Three R.C.N. destroyers, which are included in the Western Support Force, under the operational control of the U.S. Commander at Argentia, Newfoundland, have been temporarily assigned to the Western Local Escort Force.

6. When the transfer of R.C.N. ships in the Mid-Ocean Escort Force to the Eastern Atlantic is effected 8 Destroyers, 48 Corvettes, 12 Motor Launches and 1 Base Supply Ship of the Royal Canadian Navy - a total of 69 ships - will have been placed under the operational control of the R.N. or the U.S.N.

V. THE WAR IN ADJACENT WATERS

A. Western Atlantic

1. The U.S. Passenger Ship "SEMINOLE" was attacked by a U-boat south of Nantucket Island. Five torpedo misses are reported, three on 15th January and two on 16th January. The "SEMINOLE's" master states that the periscope, stern and jumping wires of the U-boat were sighted at 30 yards when an attempt was made to ram.

2. Two U-boat sightings were made off the U.S. Atlantic coast. A merchant ship sighted a U-boat's periscope south of Nantucket Island in the area in which the attack on the passenger ship "SEMINOLE" occurred. Two civilian air patrol planes sighted a dark object at the entrance to Delaware Bay.

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3. Two U-boats were sighted in the Caribbean, one south west of Puerto Rico and the other 115 miles north of the Panama Canal.

4. The British Tug "CS FLIGHT" was attacked and sunk off Curacao on January 11th.

VI. WORKS

A. BOOM DEFENCE

Lifeboats are being made at Gaspe, P.Q., for Gate Vessels No. 3 and 4, using as a model a Norwegian Boat salvaged at sea during the summer of 1942.

Repairs to boom defence equipment damaged by heavy weather have been carried out at Wabana, Nfld., and Esquimalt. It is reported that the Net at Prince Rupert is in excellent condition.

B. ANTI-SUBMARINE

R.C.N. ships fitted with A/S totalled 217, and R.N. ships 19, as of 20th January.

During the week visits were made to the East Coast in connection with the re-installation of Ships' Magnetic Submarine Detector gear in H.M.C.S. "KAMLOOPS".

C. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 75.

At Esquimalt, Gun-mounting was completed on 1 ship, and 3 others are in hand for Arming.

D, STORES

The equipment purchased by the Naval Stores amounted this week to $1,406,961.86.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
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MERCHANT SHIPPING CASUALTIES

C180123

SECRET Report No.3. for week ending January 18,1943. NS 1048-47-5.

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN U.S. STRATEGIC AREA NORTH OF THE EQUATOR. (See note Page 3)

	NAME	TONS	TIME	POSITION	DETAILS
23A	"BELLO" (Nor. tanker)	6125	0720Z Dec.16/42.	53° 00'N 27° 00'W (approx)	Torpedoed twice and sunk.
24A	"KING JAMES" (Br. cargo)	5122	Jan.9/43.		Torpedoed.
25A	"C.S. FLIGHT" (BWI Schooner)	47	Jan.11/43	13° 00'N 68° 30'W (approx)	Attacked and sunk.
26A	"SEMINOLE" (U.S. Pass)	5896	2210Z Jan.15/43.	39° 58'N 70° 10'W	Attacked twice unsuccessfully.
27A	"VESTFOLD" (Pa. tanker)	14,547	1444Z Jan.17/43.	61° 25'N 26° 12'W	Torpedoed.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

28A	"JAMES McKAY" (Am. cargo)	6762 tons	Due Belfast Dec.12/42 from Wabana.	Overdue and presumed lost.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

9A	"JASPER PARK" (Br. cargo)	See report No. 1 January 4/43.	Reported missing presumed attacked. Arrived Halifax.
3A	"NORSE KING" (Nor. cargo)	See report No.1. January 4/43.	Reported torpedoed, proceeding independently southward now reported sunk.
10A	"EMPIRE WAGTAIL" (Br. cargo)	See report No.1 January 4/43.	Reported missing presumed attacked now reported. Torpedoed, sunk.
21A	"DALCROSS" (Br. cargo)	See report No.2 January 11/43.	Reported attacked. Arrived Paramaribo.

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES;

(In U.S. Strategic area and north of the equator.)

9B	"LIBERTY" (U.S. schooner)	118	Jan.11.	22° 30'N 72° 00'W	Aground and total loss.

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION. C180124
(North of the Equator in U.S. strategic area)

1942

JANUARY	24 Cargo &	16 Tankers	TOTAL	40 Ships	233,508 Tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	487,428
APRIL	37	22		59	347,618
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	16		80	412,614
SEPTEMBER	49	12		61	283,808
OCTOBER	38	7		45	280,113
NOVEMBER	51	5		56	309,562
DECEMBER	25	4		29	163,068
TOTAL	596 Cargo	205 Tankers	TOTAL	801 Ships	4,274,275 Tons.

1943

JANUARY (to 18th)	5 Cargo	2 Tankers	TOTAL	7 Ships	34,314 Tons.

SHIPPING LOST NORTH OF 40° N. WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942

JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	1		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	22	8		30	159,802
OCTOBER	17	7		24	168,940
NOVEMBER	21	1		22	133,415
DECEMBER	17	4		21	127,776
TOTAL	161 Cargo	38 Tankers	TOTAL	199 Ships	1,154,544 Tons.

1943

JANUARY (to 18th)	0 Cargo	0 Tankers	TOTAL	0 Ships	00,000 Tons.

SHIPPING LOST DUE TO GROUNDING AND COLLISION.

1942

JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	9,918 Tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER	8	0		8	14,928
TOTAL	53 Cargo	1 Tankers	TOTAL	54 Ships	143,263 Tons.

1943

JANUARY (to 18th)	3 Cargo	0 Tankers	TOTAL	3 Ships	4,201 Tons.

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NOTE: The area covered by this report has been extended to include the West Atlantic north of the equator and west of the eastern limit of the U.S. strategic area. This new boundary runs from the North Pole south on 10° W to 60° N thence on rhumb-line to 57° N 26°W. south on 26° W to 43° N West on 43° to 40° W south on 40° W to 20° N and thence by rhumb-line to the equator at 21°W. Positions of attacks are tabulated as follows:

(A) Canada-U.K. shipping lanes North of 40° North, East of coastal waters and West of the boundary of the U.S. strategic area.

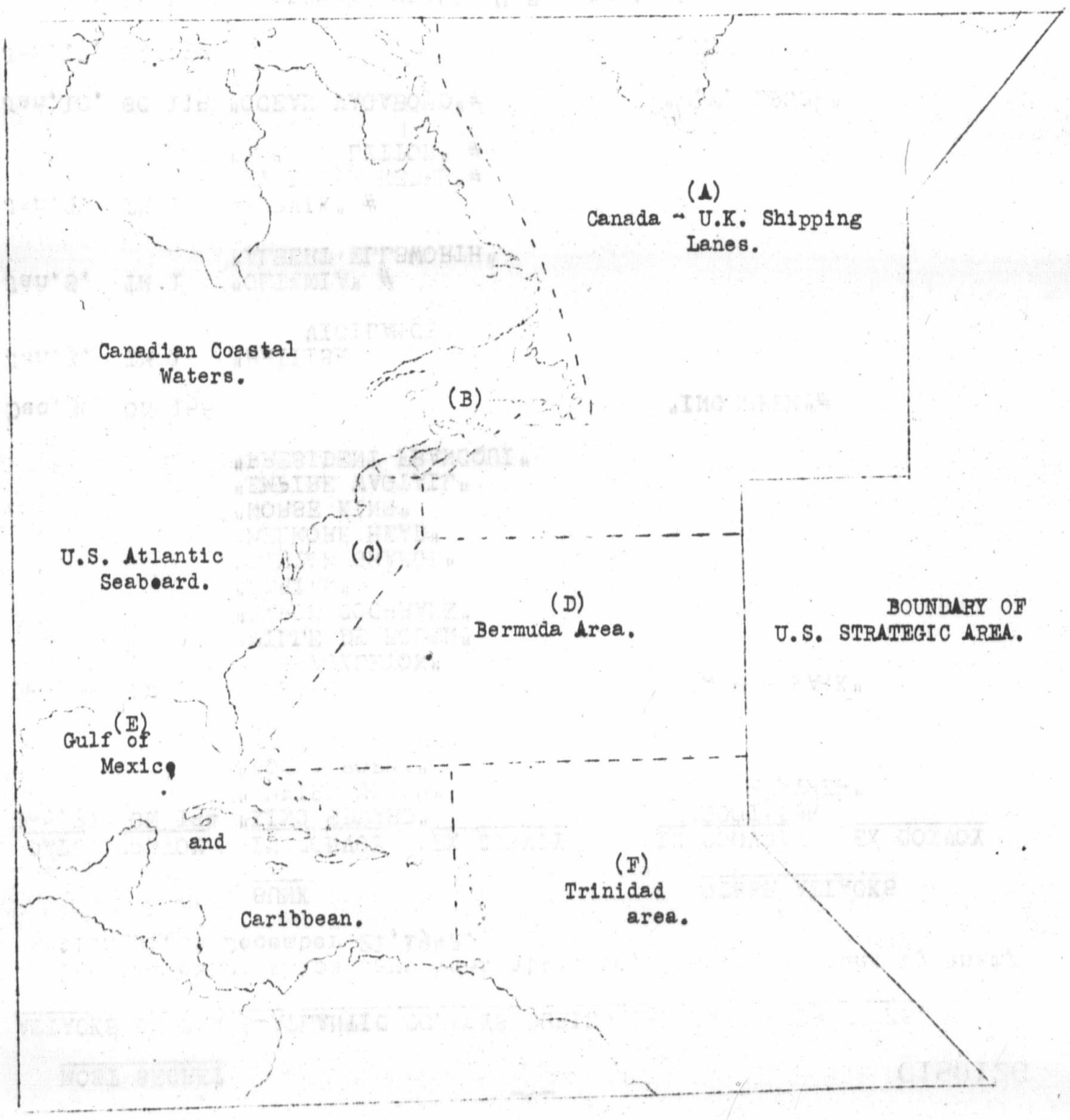
(B) Canadian coastal waters.- The river and Gulf of St. Lawrence and the coastal waters of Canada and Newfoundland,

(C) U.S. Atlantic seaboard south of Canadian waters West of 65°W to 40° N and the rhumb-line joining 40° N 65° W and 25°N 80° W; north of Key West.

(D) Bermuda area. East of (C) between 25° and 40° N and West of 40°W.

(E) Caribbean and Gulf of Mexico South of U.S. south coast to Key West thence south of 25° N to 58°W. West of 58°W.

(F) Trinidad area. East of 58°W between 0° and 25° N West of U.S. strategic area boundary. See sketch map.



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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

The following ships have been attacked, damaged or sunk by enemy action since December 21,1942.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Dec.27	ON 154	"KING EDWARD" "EMPIRE UNION" "SOEKA BOEMI" "MELROSE ABBEY"		"SCOTTISH HEATHER"	
Dec.28	ON 154	"EMPIRE SHACKLETON" "VILLE DE ROUEN" "BARON COCHRANE" "ZARIAN" "LYNTON GRANGE" "MELMORE HEAD" "NORSE KING" "EMPIRE WAGTAIL" "PRESIDENT FRANCQUI"		"JASPER PARK"	
Dec.30	ON 156			"INGERFEM"#	
Jan.3.	TM 1	"BRITISH VIGILANCE"			
Jan.8.	TM 1	"OLTENIA" # "ALBERT ELLSWORTH"			
Jan.9.	TM 1	"NORVIK" # "MINISTER WEDEL"# "EMPIRE LYTTON" #			
Jan.10,	SC 115	"OCEAN VAGABOND"#		"W.W. BRUCE"	
Jan.17.	HX 222			"VESTFOLD"	

# Indicates attack outside U.S. strategic area.

TRANS-ATLANTIC CONVOYS

The following table lists the numbers of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER	604	19	1	6	1
JANUARY (1943) (to 18th)	326	7	-	2	-

PERCENTAGE OF SHIPS LOST IN TRANS-ATLANTIC CONVOYS.

Since September 1939....18,642 ships convoyed 1.4% lost.
During December 1942....604 ships convoyed 3.3% lost.

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WORLD SHIPPING LOSSES TO NOVEMBER 1942.

1941	WORLD LOSSES IN THOUSANDS OF TONS.	PERCENTAGE OF WORLD TOTAL LOST IN WEST ATLANTIC	IN WEST ATLANTIC North of 40°N
DECEMBER	470	0	0
1942.			
JANUARY	532	43.9%	21.9%
FEBRUARY	656	55.7%	10.5%
MARCH	848	57.5%	4.8%
APRIL	696	49.9%	3.9%
MAY	738	79.7%	8.4%
JUNE	842	68.0%	7.8%
JULY	657	34.8%	6.4%
AUGUST	663	62.2%	21.2%
SEPTEMBER	586	48.4%	27.3%
OCTOBER	616	45.4%	27.4%
NOVEMBER	754	40.4%	17.7%

DISTRIBUTION OF ATTACKS ON SHIPPING DURING THE PAST FOUR WEEKS.
(Within U.S. strategic area north of the equator)

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-U.K. Shipping Lanes.	13	-	13	4	-	4
US Atlantic Seaboard	-	-	-	1	1	2
Caribbean	-	1	1	-	0	0
Trinidad Area.	5	2	7	1	1	2
TOTAL	18	3 8	21 20	6	2 X	8

SHIPPING LOSSES IN U.S. STRATEGIC AREA BY WEEKS.

Week ending.				
Dec, 28th.	12 cargo ships	1 tanker	13 ships	67,337 tons.
Jan. 4th.	2	1	3	15,701
Jan. 11th.	4	1	5	23,613
Jan. 18th.	0	0	0	00,000

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 29th January, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 169

REPORT NO. 106

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 23rd January, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 23rd January, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	4	2	2	1	1	-1	567	3408	3975
RCNR	0	6	0	2	0	1	917	4967	5884
RCNVR	14	324	3	20	2	-3	4157	38999	43156
TOTAL	18	332	5	23	3	-3	5641	47374	53015
LESS DIV. STRENGTH							473	2874	3347
TOTAL ACTIVE SERVICE							5168	44500	49668
WRCNS	0	90	0	0	0	0	55	974	1029
GRAND TOTAL	18	422	5	21	3	-3	5223	45474	50697

B. CASUALTIES:

Lieut. Charles Ernest BONNELL, RCNVR (Temp) -- Missing on active service.

Lieut. John Leonard S. CUNNINGHAM, RCNVR (Temp) -- Missing on active service -- 13.1.43.

Sub-Lieut. Charles William PATERSON, RCNVR (Temp) -- Died from gun wounds -- 14.1.43.

William Charles JUGGINS, Ord. Smn., V34093, RCNVR -- Discharged "Dead" -- 11.1.43.

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Total Deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	8	121	129
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 23rd Jan., 1943.			Period from 31st Aug., 1939 to 23rd Jan. 1943.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	18	332	350	4,744	49,684	54,428
Promotions from Lower Deck	3	-	3	892	-	892
	21	332	353	5,636	49,684	55,320
2. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	13	13	252	3,326	3,578
--Other Reasons	2	6	8			
Discharges from Div. Strength	0	1	1	15	919	934
Promotions	-	3	3	-	892	892
Casualties:						
--Killed on Active Service	2	0	2	84	646	730
--Other Reasons	1	1	2	11	82	93
Total Deductions	5	24	29	362	5,865	6,227
3. Net Increase	16	308	324	5,274	43,819	49,093
4. Personnel at Beginning of Period	5,625	47,066	52,691	367	3,555	3,922
5. PRESENT STRENGTH	5,641	47,374	53,015	5,641	47,374	53,015

W.R.C.N.S.

	Officers	Ratings	Total
Enlistments to date	6	1030	1036
Promotions from Lower Deck	50	-50	-
	56	980	1036
Discharges to date	1	6	7
PRESENT STRENGTH	55	974	1029

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 26th January, 1943.

AFLOAT

	Officers	Ratings	TOTAL
Aux. Cruisers	84	1003	1087
Destroyers -			
- Tribals	28	382	410
- Rivers	57	848	905
- Towns	76	967	1043
Corvettes	445	5347	5792
Fairmiles	118	712	830
M.T.B.	1	8	9
Patrol Boats	176	207	383
Fishermen's Reserve	3	430	433
Harbour Craft	9	290	299
Base Supply Ships	32	175	207
Aux. Tankers	5	80	85
Bangor M/S	355	3650	4005
Other M/S	51	353	404
Examination Vessels	27	324	351
Boom Attendant		15	15
Boom Maintenance	2	79	81
Looplayer	3	38	41
Gate Vessels	6	132	138
Tugs	16	157	173
Diving Boats		12	12
D.E.M.S.		160	160
Serving with R.N.	555	879	1434
TOTAL AFLOAT	2049	16248	18297

ASHORE
(including WRCNS)

	Officers	Ratings	TOTAL
Stadacona	676	6229	6905
Cornwallis	182	2935	3117
Kings	270	230	500
Protector	82	613	695
Captor	51	239	290
Shelburne	29	228	257
Fort Ramsay	26	251	277
Chaleur	37	209	246
Hochelaga	35	152	187
St. Hyacinthe	31	907	938
	1419	11993	13412
Naden	239	4351	4590
Givenchy	158	1189	1347
Royal Roads	22	153	175
Chatham	55	463	518
Vancouver	104	175	279
	578	6331	6909
	1997	18324	20321

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ASHORE (Continued)

	Officers	Ratings	TOTAL
Brought Forward	1997	18324	20321
Avalon	274	2070	2344
Bytown	485	487	972
Bytown Div. II	18	244	262
Niobe	55	489	544
R.C.N.V.R. Divisions	331	5736	6067
	1163	9026	10189
Signal Stations		451	
Ports and Shipyards		35	
D.E.M.S. Ashore		68	
		554	554
TOTAL ASHORE	3160	27904	31064

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	21
Charlottetown	12	3
Saint John	10	5
Quebec	12	4
Montreal	49	126
Cartier	9	16
Ottawa	24	32
Kingston	9	15
Toronto	71	105
Hamilton	20	19
London	13	20
Windsor	10	17
Port Arthur	11	1
Winnipeg	17	18
Regina	10	0
Saskatoon	11	2
Edmonton	12	2
Calgary	13	6
Vancouver	18	12
Esquimalt	0	11
	331	435

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS

A. New Construction of R.C.N. Ships, week ending 25th January.

Launchings : Nil
Commissionings: Nil

B. Total R.C.N. Vessels in Commission, 25th January, 1943.

Auxiliary Cruisers	2
Destroyers	12
Corvettes	76
Minesweepers	59
Motor Launches	50
Base Supply Ships	2
Patrol Craft & Auxiliary Vessels	321
T O T A L	522

C. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the previous and past week. Figures of the previous week are shown in brackets:

	In Service	Working Up	Boiler Cleaning or under Repairs 7 days or under	Under Refit or Repairs over 7 days	Total
No. of Escort Ships	167 (169)	12 (16)	9 (11)	42 (34)	230 (230)
Percentage	72.7% (73.5%)	5.2% (6.9%)	3.9% (4.8%)	18.2% (14.8%)	100% (100%)

D. Weather Damage and Loss of R.C.N. and Allied Ships in North Atlantic.

The violent gales which swept the North Atlantic during the past week not only disrupted convoys but caused considerable damage and loss to R.C.N. and Allied Ships. It was a very busy week for escort and salvage vessels and had it not been for the assistance they rendered under most hazardous and difficult conditions, the loss in ships and men would have been much more serious.

The following gives an indication of the force of the gale:

(i) H.M.C. Motor Launch 098 ran aground in St. Margaret's Bay on the 20th of January. She has been salvaged without serious damage. No one was injured.

(ii) The United States Motor Launch "SC - 709" ran aground in the approaches to Sydney on 21st January. Salvage is regarded as doubtful. All Officers and ratings have been safely removed.

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H.M.C. Fisherman's Reserve Vessel "SURF" which ran aground on the West Coast of Vancouver Island 10th January, was refloated during the week and towed to Esquimalt.

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III. OPERATIONS

A. ATLANTIC

1. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 23rd January, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 16th Jan.		Week Ended 23rd Jan.	
Canadian Coastal Convoys					
HS & SH	Halifax & Sydney	6		-	
HJ & JH	Halifax & St. John's, Nfld.	25		20	
HF & FH	Halifax & St. John, N.B.	23		11	
SQ & QS	Sydney & Quebec	-		-	
SB & BS	Sydney & Cornerbrook	-		-	
LC & CL	Sydney & St. John's, Nfld.	-		-	
BW & WB	Sydney & Wabana	-		-	
SPAB	Louisburg & Port aux Basques	4		1	
LN & NL	Quebec & Labrador	-		-	
JN & NJ	St. John's, Nfld. & Labrador	-		-	
HON	Halifax & New York (via ONS)	8		14	
HON	Halifax & New York (via ON)	-		-	
WON	St. John's, Nfld. & New York (via ONS)	-		1	
WON	St. John's, Nfld. & New York (via ON)	2		-	
			68		47
Atlantic Convoys					
HX & SC	North America/U.K.	107		59	
ON & ONS	U.K./North America	56		-	
ONS(J)	Iceland/North America	11		-	
			174		59
Caribbean Convoys					
NG & GN	New York & Guantanamo	60		79	
			60		79
	TOTAL		302		185

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	231,727	164,928
Atlantic Convoys	1,107,614	376,334
Caribbean Convoys	372,940	489,208
TOTAL	1,712,281	1,030,470

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

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ii. U-boat Activity

(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters (Area N. of 40° N & W. of 40° W.)

1. Two U-boat sightings were made in Newfoundland and Nova Scotian waters during the week, one near the entrance to Placentia Bay, Nfld., on 18th January, and the other at the entrance to Trinity Bay, Nfld., on 22nd January.

2. Reports that a bright white light had been seen in Chaleur Bay led to an investigation by R.C.N. Authorities and the R.C.M.P. and Provincial Police at St. Godfroy, Gaspe. The investigation did not reveal sufficient evidence to substantiate the presence of a U-boat in Chaleur Bay, but precautions have been taken and air sweeps recommended.

3. Estimated position of U-boats North of 40° N. and West of 40° W. is as follows:

1 patrolling between Halifax and Sable Island.
1 patrolling off Cape Sable.
16 straddling convoy routes, several of which were estimated at the end of the week to be moving up to intercept SC 117.

4. A delayed report was received that U.S.S. "BACHE" attacked a sound contact South West of Sable Island on January 8th.

(b) Canada/U.K. Sea Lanes

1. A delayed report was received that S.S. "WILLIAM WILBERFORCE" was torpedoed and sunk on the 9th of January in mid-ocean in the vicinity of the attack on Convoy TM-1.

2. There were no reports of attacks which actually took place during the week. With convoys hove to in the gale and merchant ships scattered and separated from their escorts it is a remarkable fact that not a single ship was torpedoed. The possible explanation is that the U-boats were unable to establish effective contact with our convoys.

3. Losses sustained in convoys operating between North America and the United Kingdom, on the basis of information received up to 2400, 25th January, are as follows:

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	604	19	3.1
1943			
January 1 - 25	537	8	1.5
			 9

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IV. R.C.N. SHIPS ON LOAN

H.M.C.S. "PORT ARTHUR", one of the Mediterranean "Torch" Group, sank the Italian Submarine "TRITONE" in an attack with depth charges and gun fire off Bougie on 19th January. The Commanding Officer, three Officers and twenty-two ratings were captured.

The following congratulatory message has been received from Admiralty:

> "The destruction of 2 Italian U-boats (actually 1 German and 1 Italian) by H.M.C.S. "VILLE DE QUEBEC", and "PORT ARTHUR" in so short a time has given us all great pleasure. It reflects great credit on the R.C.N. which is thoroughly deserved."

The Naval Commander X Force, Gibraltar, also adds:

"Your ships are doing grand work."

V. ADJACENT THEATRES

(Details of merchant shipping losses in the U.S. strategic area through enemy action and marine causes are given in the attached Annex).

North America/North Africa Sea Lanes

On 17th January, it was reported that a substantial pack of U-boats appeared to be waiting in the area where the routes of the UGF, UGS and TM convoys funnel in between the Mediterranean and the Azores. On the following day, up to 12 U-boats were reported within a 200-mile sector S.E. and S.W. of the Azores. Convoys UGF 4 (a large U.S. troop convoy to Casablanca) and TM 2 (fast tanker convoy from Trinidad to the Mediterranean) passed through this area without incident and arrived safely at their destinations.

VI. WORKS

A. ANTI-SUBMARINE

Commercial suppliers of mining cables have been approached to determine their capacity to produce cables, electric, at a speed making possible the continuous marine installation of A/S Fixed Defence installations. Findings have been placed in recommendation form to the Department of Munitions and Supply.

At a meeting called by the Inspection Board of the United Kingdom and Canada, held in Toronto during the week, the revised specifications for Indicator Loop and Harbour Defence Asdic cable were approved.

Action is being taken to ensure that larger A/S offices will be fitted on the bridges of all new construction ships.

Attention was also given during the week to the supply of A/S equipment to the maintenance forces at Newfoundland.

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B. BOOM DEFENCE

It was reported from Sydney, N.S., that during the week Tug "J.A. CORNETT", "H.C.34", H.M.C.S. "B.D.3", and Derrick Scow "B.D.4", slipped for Louisburg to prepare for Net Laying Operations there, the two latter vessels being loaded with Boom Defence Material.

At Esquimalt considerable quantities of Materials have been removed from the old Depot Site to the new Site.

Material is being delivered and construction is under way on the new buildings being erected at Prince Rupert.

C. DEGAUSSING

Drawings of Corvette and Algerine Junction Boxes, have been approved; also Schematic Drawings of the Tribal Switchboard, copies of which are being forwarded to Halifax Shipyards.

Specifications are nearing completion for Naval Auxiliary Tankers, 105' Wooden Minesweepers, and for the degaussing of the Victory Class Cargo Boats being built for the United States Maritime Commission.

The Amperturn Meters received from the Bureau of Ordnance, Washington, have been distributed one each to Esquimalt, Montreal, and Halifax. If these Meters prove useful, additional supplies will be requested from the U.S. Navy.

During the month of December, the Vancouver Range ranged a total of 17 vessels, which raises the number of ships ranged to date at this range to 211.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 56; gun-mounting was completed on 2 ships, and 2 others are in hand for arming.

In view of the fact that a larger stock of Oerlikon guns is on hand, an endeavour is being made to arm selected Merchant Vessels with 4 Oerlikons in prepared positions in accordance with Admiralty requirements. U.P. Projectors Mk.II and Mk.III (Pillar Box and Troughs) are being received in larger quantities and instructions have been issued to mount these on all merchant ships which are considered suitable.

St. John's, Nfld., is now operating as a D.E.M.S. base.

E. TECHNICAL DEVELOPMENT

The complete shipment of LL equipment, including Diesel generators, batteries and switchboard, obtained from the U.S.A. on Admiralty account, has arrived and is now stored in Montreal storehouse awaiting installation in the 8-105' wooden minesweepers on the West Coast.

Having been tested satisfactorily, the new Electronic Slave Gear for LL Sweeps is to be incorporated in the West Coast Wooden Minesweepers.

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In connection with Acoustic Minesweeping, it has been determined that a motor can be obtained to allow the manufacture of a Canadian spring hammer which will be interchangeable with the Admiralty hammer.

After a thorough study of all rubber compounds used by the R.C.N., and after classification of the various items, it has become evident that it is possible that all the requirements of the Service may be covered by a single specification.

Work in connection with Combined Oilskin and Anti-gas Fabric has been brought to a successful conclusion and definite recommendations have been made to Director of Naval Stores.

Research has been proceeding along the following lines:

(1) Molded Wood Technique
(2) Treatment of Cordage with anti-rot and lubricating compounds.
(3) Oilslicks on Water
(4) Whistles, Bakelite, Lifebelt
(5) Parting Clips, Boom Defence.

F. STORES

The equipment purchased by the Naval Stores amounted this week to $1,901,679.41.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
Sec. C.S.C.

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N. M. C. S. Copy No. 25
C. N. A. Copy No. 26
N. I. D. 4 (2 copies) Copies Nos. 27 and 28
Naval Historian Copy No. 29
Sec. N.B. (for Naval Board Members) Copy No. 30
D. Sec. Staff (for Staff Directors) Copy No. 31
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C180139

MERCHANT SHIPPING CASUALTIES

SECRET Report No.4. for week ending January 25,1943. NS 1048-47-5

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN U.S. STRATEGIC AREA NORTH OF THE EQUATOR.

No new attacks reported this week.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

13P	"POLINA OSIPENKO" (Russ. cargo)	3474	See report #43	Nov. 9.	Reported attacked. Arrived Astoria January 6.
919A	"PETER MAERSK" (Br. cargo)	5476	See report #47	Dec.7.	Torpedoed Dec.7. Presumed sunk.
936A	"OTINA" (Br. tanker)	6217	See report #49	Dec.21.	Torpedoed Dec.20. Now presumed sunk.
20A	"W.W. BRUCE" (Am. cargo)	6728	See report #2	Jan.11.	Reported attacked Jan.10. Arrived U.K. Jan.15.
21A	"DALCROSS" (Br. cargo)	4557	See report #2	Jan.11.	Reported attacked Jan.11. Arrived Paramaribo Jan.12.
14P	"OROTAVO" (Hond. cargo)	2711	See report #2	Jan.11.	Attacked but arrived Balboa Jan.13.

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. strategic area and north of the equator)

10B	"BRILLIANT" (Am. tanker)	9131	1600Z Jan.20/43	46° 28'N 59° 00'W	Broke in two while being towed. Survivors rescued from stern section. Sank Jan. 25.
11B	"MERTON" (Am. cargo)	7195	1609Z Jan.20/43.	43° 57'N 60° 12'W	Drifting. As yet unlocated.
12B	"ADRIAN ISELIN" (Am. cargo)	2040	0020Z Jan.21/43.	42° 35'N 62° 10'W	Steering gear damaged needs assistance. Forced to run with the wind. Attempting to reach Bermuda.
13B	"CITY OF LYONS" (Br. cargo)	7063	Jan.21/43	55° 50'N 51° 05'W	Damaged in collision probably with "LONE STAR". Arrived St. John's, Nfld.
14B	"LONE STAR" (Am. cargo)	5101	Jan.21/43	55° 00'N 51° 00'W (approx)	Damaged in collision probably with "CITY OF LYONS". Arrived St. John's, Nfld.
15B	"IMPERIAL MONARCH" (Br. cargo)	5831	Jan.22/43	49° 15'N 50° 18'W	Adrift. Now being towed by rescue tug to St. John's, Nfld.

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16B	"CULBERA" (Pan. cargo)	5264	Jan.22/43	63° 02'N 29° 03'W	Broken stern post. requires tug. Escort vessel standing by.
17B	"KOLLBJORG" (Nor. tanker)	8259	1900Z Jan.24/43	59° 09'N 40° 28'W	Broke in two, due to weather. 2 escort vessels standing by.
18B	"FAIRWATER" (Br. cargo)	4108	2200Z Jan.24/43	50° 18'N 40° 18'W	Steering gear is completely disabled. Drifting. Escort vessel standing by.
19B	"FORT LA MAUNE" (Br. cargo)	7130	2330Z Jan.24/43.	58° 45'N 41° 25'W	Reported in distress.
20B	"MAPLEWOOD" (Br. cargo)	4566	Jan.24/43	50° 17'N 40° 55'W	Possible loss due to weather.
21B	"VILLE DE TAMATAVE" (Br. cargo)	6276	Jan.24/43	50° 17'N 40° 55'W	First reported on beam end. Now reported lost due to weather.
22B	"SIREHEI" (No. cargo)	3888	Jan.25/43	45° 45'N 59° 05'W	Stuck in ice with damaged rudder.

TOTAL LOST 15,407 tons, 1 cargo, 1 tanker reported this week.

MERCHANT SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES IN PACIFIC COASTAL AREA.

23B	"NORTHOLM" (Br. cargo)	447	Jan.16/43	51° 00'N 128° 00'W (approx)	Capsized and sank in heavy weather.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

130B	"OZARK" (Am. cargo)	2689	See report # 40	Oct.19	Rudder washed away. Arrived Sydney, N.S. Dec.10.
135B	"CARDINA" (Can. cargo)	1559	See report # 41	Oct.26	Reported in collision and beached. Arrived Havana Nov.19.
154B	"INTREPIDO" (Pan. cargo)	2310	See report # 47	Dec.7	Reported in collision but arrived New York Dec.2.
167B	"PLAYMAYD" (Canadian)	96	See report # 49	Dec.21.	Abandoned in a sinking condition. Now presumed sunk.
177B	"EMPIRE BUNTING" (Br. cargo)	6448	See report # 50	Dec.28	Steering reported broken down. Arrived St. John's Dec.31.

SHIPPING LOSSES IN U.S. STRATEGIC AREA BY WEEKS.

Week ending.

Jan. 4th,	2 Cargo ships	1 tanker	3 ships	15,701 tons.
Jan.11th,	4	1	5	23,613
JAN.18th.	0	0	0	00,000
Jan.25th.	0	0	0	00,000

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator in U.S. strategic area)

1942					
JANUARY	24 Cargo &	16 Tankers	TOTAL	40 Ships	233,508 Tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	487,428
APRIL	37	22		59	347,618
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	16		80	412,614
SEPTEMBER	49	12		61	283,808
OCTOBER	38	7		45	280,113
NOVEMBER	51	5		56	309,562
DECEMBER	27	4		31	173,336
TOTAL	598 Cargo	205 Tankers	TOTAL	803 Ships	4,284,553 Tons
1943					
JANUARY (to 25th)	5 Cargo	2 Tankers	TOTAL	7 Ships	34,314 Tons

SHIPPING LOST NORTH OF 40° N. WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942					
JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons.
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	1		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	22	8		30	159,802
OCTOBER	17	7		24	168,940
NOVEMBER	21	1		22	133,415
DECEMBER	17	4		21	127,776
TOTAL	161 Cargo	38 Tankers	TOTAL	199 Ships	1,154,544 Tons.
1943					
JANUARY (to 25th)	0 Cargo	0 Tankers	TOTAL	0 Ships	00,000 Tons,

SHIPPING LOST DUE TO GROUNDING AND COLLISION

1942					
JANUARY	2 Cargo	0 Tankers	TOTAL	2 Ships	9,918 Tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER	8	0		8	14,928
TOTAL	53 Cargo	1 Tanker	TOTAL	54 Ships	143,263 Tons.
1943					
JANUARY (to 25th)	4 Cargo	1 Tanker	TOTAL	5 Ships	19,608 Tons.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

The following ships have been attacked, damaged or sunk by enemy action since December 28,1942.

DATE	CONVOY	SUNK. IN CONVOY	SUNK. EX CONVOY	OTHER ATTACKS IN CONVOY	OTHER ATTACKS EX CONVOY
Dec.30	ON 156			"INGERFEM"#	
Jan.3.	TM 1	"BRITISH VIGILANCE"			
Jan.8	TM 1	"OLTENIA" # "ALBERT ELLSWORTH"			
Jan.9	TM 1	"NORVIK" # "MINISTER WEDEL" # "EMPIRE LYTTON" #			
Jan.10	SC 115	"OCEAN VAGABOND"#		"W.W. BRUCE" "SEMINOLE" "VESTFOLD"	
Jan.15	ON 156				
Jan.17	HX 222				

# Indicates attack outside U.S. Strategic Area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

	Ships convoyed	SHIPS SUNK In convoy	SHIPS SUNK Ex convoy	OTHER ATTACKS In convoy	OTHER ATTACKS Ex convoy
SEPTEMBER	664	11	3	8	-
OCTOBER	641	18	5	1	-
NOVEMBER	533	21	2	4	-
DECEMBER	604	20	2	6	-
JANUARY (1943) (to 25th)	537	8	-	3	-

DISTRIBUTION OF ATTACKS ON SHIPPING DURING THE PAST FOUR WEEKS.

(Within U.S. strategic area north of the equator)

	SINKINGS In convoy	SINKINGS Unescorted	SINKINGS TOTAL	OTHER ATTACKS In convoy	OTHER ATTACKS Unescorted	OTHER ATTACKS TOTAL
Canada-U.K. shipping Lanes.	-	-	-	2	-	2
US Atlantic Seaboard	-	-	-	1	1	2
Caribbean	-	1	1	-	-	-
Trinidad Area.	5	1	6	1	1	2
TOTAL	5	2	7	4	2	6

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 5th February, 1943.

Weekly Summary of Information respecting
Departmental Activities

SUMMARY NO. 170

REPORT NO. 107

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Week Ended 30th January, 1943. Enlistments		Deductions from Strength		Promotions, Transfers, Adjustments		Total Strength as of 30th January, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	5	1	0	1	4	-3	576	3405	3981
RCNR	1	16	0	2	2	-2	920	4979	5899
RCNVR	13	478	1	39	2	-4	4171	39434	43605
TOTAL	19	495	1	42	8	-9	5667	47818	53485
LESS DIV. STRENGTH							308	2952	3260
TOTAL ACTIVE SERVICE							5359	44866	50225
WRCNS	0	94	0	3	0	0	55	1065	1120
GRAND TOTAL	19	589	1	45	8	-9	5414	45931	51345

B. CASUALTIES:

Lieutenant Armour McKenney BULL, RCNVR (Temp.) -- Missing on active service.

Frank GOREING, Ord. Smn., O.N. 4524, RCN -- Discharged "Dead" 24.1.43.

Clifford HORSFALL, Sto. 2/cl., V40851, RCNVR -- Discharged "Dead" 24.1.43.

William R.E. MacMILLAN, Sto. 1/cl. (M), V11654, RCNVR -- Missing, presumed killed on war service.

Donald F. McIVOR, Sto. 2/cl., V328, RCNVR -- Missing, presumed killed on war service.

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Total Deaths to date are given in Section C.

	Officers	Ratings	Total
Total Wounded or Injured to date	8	121	129
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 30th Jan., 1943.			Period from 31st Aug., 1939 to 30th Jan. 1943.		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	19	495	514	4763	50179	54942
2. Promotions from Lower Deck	8	-8	-	900	-900	-
Adjustments	0	-1	-1	0	-1	-1
	27	486	513	5663	49278	54941
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	19	19	252	3362	3614
--Other Reasons	0	17	17			
Discharges from Div. Strength	0	2	2	15	921	936
Casualties:						
--Killed on Active Service	1	2	3	85	648	733
--Other Deaths	0	2	2	11	84	95
Total Deductions.	1	42	43	363	5015	5378
4. Net Increase	26	444	470	5300	44263	49563
5. Personnel at Beginning of Period	5641	47374	53015	367	3555	3922
6. PRESENT STRENGTH	5667	47818	53485	5667	47818	53485

W.R.C.N.S.

	Officers	Ratings	Total
Enlistments to date	6	1124	1130
Promotions from Lower Deck	50	-50	-
	56	1074	1130
Discharges to date	1	9	10
PRESENT STRENGTH	55	1065	1120

Note: 19 ratings in Bay of Islands Naval Patrol included in R.C.N.V.R. Enlistment figure and Divisional Strength figure for ratings.

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II. SHIPS

A. New Construction of R.C.N. Ships, week ending 1st February.

Launchings : Nil
Commissionings: Ships - Nil
Local Craft & Auxiliary Vessels from 1st to 31st January - 11.

B. Decommissionings.

Ships reported decommissioned during the week were: H.M.C. Minesweeper "QUINTE" and M.L.'s 082 and 083.

C. Total R.C.N. Vessels in Commission, 1st February.

Auxiliary Cruisers	2
Destroyers	12
Corvettes	76
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Local Craft & Auxiliary Vessels	340
T O T A L	538

Note: Local Craft and Auxiliary Vessels include 11 Armed Yachts, 8 of which have been added to the Commissioned list during the past week.

D. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the previous and past week:

	Week ending 25th Jan.		Week ending 1st Feb.	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	167	72.7	163	70.9
Working Up	12	5.2	18	7.8
Boiler Cleaning or Repairs not over 7 days	9	3.9	4	1.7
Under Refit or Repairs over 7 days	42	18.2	45	19.6
T O T A L	230	100	230	100

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E. Admiralty has agreed to allow the first 8 R.N. Isles Class Trawlers to remain temporarily under R.C.N. control (1404Z/1).

F. H.M.C. 72nd and 73rd Motor Launch Flotillas arrived in Norfolk, Va., en route to Guantanamo, 30th January.

G. H.M.S. "CALDWELL", reported in distress last week, arrived in Boston 1st February towed by the Tug "OCEAN EAGLE" escorted by H.M.C.S. "MILLTOWN".

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 30th January, in whose protection the R.C.N. participated:-

Short Title	Terminal Ports	Week Ended 23rd Jan. (Revised)		Week Ended 30th Jan.	
Canadian Coastal Convoys					
HS & SH	Halifax/Sydney	-		-	
HJ & JH	Halifax/St. John's, Nfld.	20		23	
HF & FH	Halifax/St. John, N.B.	11		21	
SQ & QS	Sydney/Quebec	-		-	
SB & BS	Sydney/Cornerbrook	-		-	
LC & CL	Sydney/St. John's, Nfld.	-		-	
BW & WB	Sydney/Wabana	-		-	
SPAB	Louisburg/Port aux Basques	1		2	
LN & NL	Quebec/Labrador	-		-	
JN & NJ	St. John's, Nfld./Labrador	-		-	
HON	Halifax/New York (via ONS)	14		1	
HON	" " (via ON)	-		10	
WON	St. John's, Nfld./New York (via ONS)	1		-	
WON	St. John's, Nfld./New York (via ON)	-		-	
CAPE COD GROUP	Halifax/New York	-		3	
			47		60
Atlantic Convoys					
HX & SC	North America/UnK.	59		111	
ON & ONS	U.K./North America	-		85	
ONS(J)	Iceland/North America	-		11	
			59		207
Caribbean Convoys					
NG & GN	New York/Guantanamo	99		73	
			99		73
	T O T A L		205		340

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Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	164,928	225,320
Atlantic Convoys	376,334	1,198,165
Caribbean Convoys	635,754	481,686
T O T A L	1,177,016	1,905,171

The Canadian Coastal Convoys were protected wholly by R.C.N. ships, and R.C.N. ships were included in the escort groups protecting the trans-Atlantic and Caribbean Convoy services listed above.

ii. U-boat Activity

(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters (Area N. of 40° N & W. of 40° W.)

1. A shore watcher sighted a U-boat near the entrance to Micumbeau Bay, southeast coast of Nova Scotia, 26th January.

2. A shore watcher reported sighting a U-boat in Placentia Bay, Nfld., 27th January.

3. A suspicious object was observed 28th January in Chaleur Bay which appeared to be going Northeast and then to be coming back towards Chandler a few minutes later. Observers state the object was about 60 feet long and lights were seen on the water. On 26th January an aircraft reported a large patch of burning oil with pieces of yellow and green flotsam at the edges at the northwest entrance to Northumberland Strait.

4. Estimated U-boat positions N. of 40° N and W. of 40° W are:-

1 patrolling off Cape Cod
1 patrolling off Long Island
1 patrolling Halifax-Sable Island
20 or more dispersed over an area 360 miles wide, southeast of Cape Farewell straddling convoy routes.

5. U.S.S. "BIBB", en route to Argentia, attacked a doubtful contact off Halifax on 26th January. Nine depth charges were dropped with no evidence of damage.

(b) Canada/U.K. Sea Lanes

1. Convoys SC 117 and HX 223 were both shadowed and concentrations of U-boats moved to intercept them. During the night of 24th January, two U-boats made contact with SC 117, and torpedoes were fired at H.M.S. "SWALE", but missed. The Admiralty reported

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on 25th January that a heavy attack on SC 117 was impending. The convoy was sharply diverted, shaking off the U-boats and the attack did not materialise. U-boat positions then became confused as they sought to re-locate SC 117.

D.D.S.D.(Y) predicts intense U-boat activity in the coming week in an attempt to redeem their failure against SC 117 and other convoys which have escaped unscathed.

2. Losses sustained in convoys operating between North America and the U.K., on the basis of information received up to 2400, 1st February, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	604	19	3.1
1943			
January	597	1	0.2

IV. ADJACENT THEATRES

(Details of merchant shipping losses in the U.S. strategic area through enemy action and marine causes are given in the attached Annex.)

North America/North Africa Sea Lanes

1. Three merchant ships in convoy UGS 4 were torpedoed southwest of the Azores 27th January. S.S. "CITY OF FLINT" and S.S. "JULIA WARD HOWE" are sunk; S.S. "CHARLES C. PINCKNEY", although torpedoed, has not been confirmed as sunk.

2. Losses sustained by convoys operating between North America or the Caribbean and North Africa, on the basis of information received up to 2400, 1st February, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1943			
January	101	10	9.9

Aleutians

An air mission to locate and destroy enemy aircraft at Kiska and Amchitka was forced to turn back owing to bad weather. Heavy snow conditions prevail. New shipping was observed during a Sweep over Kiska 25th January. Two of our planes attacked

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shipping in Constantin Bay, Amchitka Island. Reconnaissance of Kanaga, Tanaga, Gazelo, Semichi, Agattu, Buildir and Attu produced negative results.

V. WORKS

A. ANTI-SUBMARINE

Final estimates for A/S Fixed Defence stations and A/S schools have been forwarded to the Director of Organization.

As a result of investigation by a number of specialists in connection with cable for Indicator Loop installations, a detailed report has been received from National Research Council, containing specific recommendations regarding both cable manufacture and methods of laying.

Design has been completed for a prototype model McGregor Recorder and Anderson Predictor. Explanatory reports are to be sent through the B.A.T.M. to Admiralty, and to the B.A.D., Washington.

B. BOOM DEFENCE

Four new Anchors and 270' of chain were put into position and attached to the Baffle at Wabana, Nfld.

The Nets at Bay Bulls, Nfld., which are inspected daily, are in good condition despite ice conditions.

As a result of a severe storm from the 20th January to the 22nd January, the Boom Defence Depot at Gaspe, P.Q., has been placed in a very difficult position as far as outdoor work is concerned by reason of the fact that the plough and other snow fighting equipment has proved entirely inadequate for clearing the heavy snow.

As a result of an emergency which arose at St. John's, Nfld., it was found that the whole operation of lowering the Gate sufficiently to allow a ship to pass, could be performed in ninety seconds.

C. DEGAUSSING

In view of the recent decision of Naval Staff, Algerine Class Minesweepers are to be considered Escort Vessels, and the Degaussing Specifications for the last twenty-two vessels have been changed to conform with the policy laid down for Escort Vessels. The first six vessels will remain unchanged.

Revised specifications were received from the National Research Council, Halifax, for H.M.C.S. "PRINCE ROBERT". These specifications, with all additional information, were forwarded to the Superintendent Inspector Degaussing, West Coast, for necessary action.

An amendment has been distributed to the necessary authorities regarding a change in the "Ai" coil route in Algerine Class Minesweepers. This amendment applies only to the first six vessels.

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The oil fuel consumption for the various D.G. Ranges is being investigated with regard to future requirements.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 41, and Gun-mounting was completed on 2 ships at Esquimalt.

Due to a shortage of Hinged Boom Paravane equipment, arrangements have been made to fit some of the new construction vessels with "A" frames in lieu.

Arrangements have been made with the Admiralty to procure miniature tracer firing range equipment for installation in the new D.E.M.S. merchant navy Anti-aircraft training school at Halifax in place of the Delamere & Williams teacher previously contemplated. Delivery is expected in May.

E. NAVAL ORDNANCE

Arrangements have been made for early supply of 4-inch Mk. XIX guns on Mk. XXIII mountings for the arming of the first two Frigates to be completed and for Gunnery training on each coast.

Delivery of some 68 Q.F. 2 Pdr. guns has been made and the mounting of these continues. From January onwards the supply will slow up somewhat to allow deliveries to the United Kingdom.

Application for allotments from production of twin power-worked Oerlikon equipments of Admiralty and Canadian combined orders have been arranged and it is expected that the first of these will be made available in the month of March.

The requirements of the new Rifles .303" No. 4 for the Naval, Army and Air Services have been co-ordinated and quantities decided upon by the Inter Service Priority Committee. This will ensure equitable distribution of the quantities available for Canadian Services from the monthly production.

An order has been placed in the United States for 5,000 revolvers, Smith and Wesson .380" in conjunction with similar requirements for the Canadian Army.

The first Canadian made Depth Charge Thrower, Mk. IV carrier retaining type, has been produced and is now undergoing examination. These Throwers will be in supply very soon and it is intended to have the inspection proof carried out at the factory.

Orders have been placed in the United Kingdom for both S.C. and Flashless cordite for filling ammunition for Q.F. 4 inch Mk. XIX ammunition, the other components of which are being made in Canada.

Contracts are being arranged for the development of repairs to the older types of Gun Mountings in Corvettes and Minesweepers, many of which require renewal of working parts.

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Orders placed for Armament Stores consisting of Ordnance spare parts, Fire Control Instruments, .5 inch Colt Ammunition, Ordnance tools and equipment during the month of January amounted to $165,000.00

Final approval has been given for the construction of the Inland Reserve Magazines to be located near Renous, N.B. This expenditure is estimated at $1,400,000.00 and comprises 18 Magazines and 35 other buildings.

F. STORES

The equipment purchased by the Naval Stores amounted this week to $287,605.48.

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Reports of the Three Services

Governor General
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C180152

MERCHANT SHIPPING CASUALTIES

SECRET Report No.5. for week ending February 1,1943. NS 1048-47(E).

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN U.S. STRATEGIC AREA NORTH OF THE EQUATOR.

No new attacks reported this week.

FURTHER INFORMATION REAGRDING PREVIOUS REPORTS.

24A	"KING JAMES" (Br. cargo)	5122	See report #3 Jan.18/43.		Reported torpedoed, arrived Jan.26/43, Bahia.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

29A	"C.J. BARKDULL" (Pa. tanker)	6773 tons	Due Dec.30/42 from New York.	CASABLANCA	Overdue and presumed lost.

SHIPPING IN DISTRESS DUE TO GROUNFING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. strategic area and north of the equator)

24B	"D.J. THORNHILL" (Can. schooner)	102	Jan.22	Enroute from Halifax to St. John's, Nfld.	Foundered due to weather, crew rescued.
25B	"PLYMOUTH BELLE" (Br. schooner)	49	Jan.27	13° 00'N 61° 00'W (approx)	Found at sea dismasted with 1 dead man on board and towed to Petit Nevis, Grenadines.
26B	"CHARLES H. KLINCK" (U.S. schooner)	522	Jan.30	43° 13'N 68° 32'W	Waterlogged and beyond salvage. Crew of 7 removed; as cargo was lumber depth charges and gunfire were used to destroy the vessel.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

176B	"COOT"	153	See report # 50 Dec. 28/42.	Reported on fire. Now confirmed sunk.
15B	"IMPERIAL MONARCH" (Br. cargo)	5831	See report # 4 Jan.25/43.	Reported adrift being towed by recue tug to St. John's, Nfld. Now arrived.
12B	"ADRIAN ISELIN" (Am. cargo)	2040	See report # 4 Jan.25/43.	Reported steering damaged arrived Bermuda Jan.29/43.

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator in U.S. strategic area)

1942.

JANUARY	24 Cargo &	16 Tankers	TOTAL	40 Ships	233,508 Tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	487,428
APRIL	37	22		59	347,618
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	16		80	412,614
SEPTEMBER	49	12		61	283,808
OCTOBER	38	7		45	280,113
NOVEMBER	51	5		56	309,562
DECEMBER	28	4		32	180,109
TOTAL	599 Cargo	205 Tankers	TOTAL	804 Ships	4,291,326 Tons.

1943

JANUARY (to 31st)	5 Cargo	2 Tankers	TOTAL	7 Ships	34,314 Tons.

SHIPPING LOST NORTH OF 40° N. WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942

JANUARY	10 Cargo &	10 Tankers	TOTAL	20 Ships	116,999 Tons
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	1		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	22	8		30	159,802
OCTOBER	17	7		24	168,940
NOVEMBER	21	1		22	133,415
DECEMBER	17	4		21	127,776
TOTAL	161 Cargo	38 Tankers	TOTAL	199 Ships	1,154,544 Tons.

1943

JANUARY (to 31st)	0 Cargo	0 Tankers	TOTAL	0 Ships	00,000 Tons.

SHIPPING LOST DUE TO GROUNDING AND COLLISION.

1942

JANUARY	2 Cargo	0 Tanker	TOTAL	2 Ships	9,918 Tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER	8	0		8	14,928
TOTAL	53 Cargo	1 Tanker	TOTAL	54 Ships	143,263 Tons.

1943

JANUARY (to 31st)	4 Cargo	2 Tanker	TOTAL	6 Ships	27,867 Tons.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE MONTH OF JANUARY.

The following ships have been attacked, damaged or sunk by enemy action since December 31,1942.

DATE	CONVOY	SUNK IN CONVOY	SUNK EX CONVOY	OTHER ATTACKS. IN CONVOY	OTHER ATTACKS. EX CONVOY
Jan.3	TM 1	"BRITISH VIGILANCE"			
Jan.8	TM 1	"OLTENIA"# "ALBERT ELLSWORTH"#			
Jan.9	TM 1	"NORVIK"# "MINISTER WEDEL"# "EMPIRE LYTTON"#			
Jan.10	TM 1	"BRITISH DOMINION"#			
Jan.10	SC115	"OCEAN VAGABOND"#		"W.W. BRUCE" "SEMINOLE" "VESTFOLD"	
Jan.27	UGS	"CHARLES C. PINCKNEY"# "CITY OF FLINT"# "JULIA WARD HOWE"#			

# Indicates attack outside U.S. strategic area.

OTHER ATTACKS ON CONVOYS DURING THE MONTH OF JANUARY.

DATE	CONVOY	SUNK IN CONVOY	SUNK EX CONVOY	OTHER ATTACKS IN CONVOY	OTHER ATTACKS EX CONVOY
Jan.9	TB 1	"BROAD ARROW" "MINOTAUR" "COLLINGSWORTH" "BIMINGHAM CITY"		"KING JAMES"	

DISTRIBUTION OF ATTACKS ON SHIPPING DURING THE PAST FOUR WEEKS.
(Within the U.S. strategic area north of the equator)

	SINKINGS In convoy	SINKINGS Unescorted	SINKINGS TOTAL	OTHER ATTACKS In convoy	OTHER ATTACKS Unescorted	OTHER ATTACKS TOTAL
Canada UK shipping Lanes.	1	-	1	1	-	1
US Atlantic Seaboard	-	-	-	1	1	2
Caribbean	-	1	1	-	-	-
Trinidad Area.	4	-	4	1	1	2
TOTAL	5	1	6	3	2	5

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SHIPPING LOST IN CONVOY DUE TO ENEMY ACTION.
(North of the Equator in U.S. Strategic area)

1942	TOTAL TONNAGE SUNK	TONNAGE SUNK IN CONVOY	PERCENT SUNK IN CONVOY
JANUARY	233,508	51,174	21,09
FEBRUARY	365,791	74,129	20,02
MARCH	487,428	47,524	9,05
APRIL	347,618	5,249	1.50
MAY	588,539	15,046	2,72
JUNE	573,370	35,646	6,21
JULY	228,866	64,275	28,08
AUGUST	412,614	133,163	32,00
SEPTEMBER	283,808	50,065	17,64
OCTOBER	280,113	74,805	26,71
NOVEMBER	309,562	204,053	65.91
DECEMBER	173,336	140,457	81,03
TOTAL	4,291,326	895,586	20.87

SHIPPING LOSSES UN U.S. STRATEGIC AREA BY WEEKS.

WEEK ENDING.

Jan. 11	4 Cargo ships	1 Tanker	5 Ships	23,613 Tons.
Jan. 18	0	0	0	00,000
Jan. 25	0	0	0	00,000
Feb. 1	0	0	0	00,000

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MOST SECRET

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 12th February, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 171

REPORT NO. 108

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 6th February, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 6th February, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	6	1	1	0	3	-3	584	3403	3987
RCNR	1	9	0	4	0	-1	921	4983	5904
RCNVR	31	297	1	34	10	-9	4211	39688	43899
TOTAL	38	307	2	38	13	-13	5716	48074	53790
LESS DIV. STRENGTH							498	3108	3606
TOTAL ACTIVE SERVICE							5218	44966	50184
WRCNS	0	115	0	3	1	-1	56	1176	1232
GRAND TOTAL	38	422	2	41	14	-14	5274	46142	51416

B. CASUALTIES:

Wilfred Henry REINHART, Able Smn., V2187, RCNVR--Killed in action--1.11.42.

Total Deaths to date are given in Section C.

	Officers	Ratings	TOTAL
Total Wounded or Injured to date	8	121	129
Prisoners of War	3	2	5

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Week Ended 6th Feb., 1943.			Period from 31st Aug., 1939, to 6th Feb., 1943.		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	38	307	345	4801	50485	55286
2.	Promotions from Lower Deck	13	-13	-	913	-913	-
		51	294	345	5714	49572	55286
3.	Deductions from Strength						
	Discharges from Active Service:						
	--Medically Unfit	0	13	13)	254	3387	3641
	--Other Reasons	2	12	14)			
	Discharges from Div. Strength	0	12	12	15	933	948
	Casualties:						
	--Killed on Active Service	0	1	1	85	649	734
	--Other Deaths	0	0	0	11	84	95
	Total Deductions	2	38	40	365	5053	5418
4.	Net Increase	49	256	305	5349	44519	49868
5.	Personnel at Beginning of Period	5667	47818	53485	367	3555	3922
6.	PRESENT STRENGTH	5716	48074	53790	5716	48074	53790

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	6	1239	1245
Promotions from Lower Deck	51	-51	-
	57	1188	1245
Discharges to date	1	12	13
PRESENT STRENGTH	56	1176	1232

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 6th February, 1943.

	Officers	Ratings	Total
Aux. Cruisers	85	1001	1086
Destroyers -			
- Tribals	28	375	403
- Rivers	54	849	903
- Towns	73	923	996
Corvettes	466	5342	5808
Fairmiles	114	680	794
M.T.B.	1		1
Patrol Boats	175	210	385
Fishermen's Reserve	4	423	427
Harbour Craft	12	299	311
Base Supply Ships	32	167	199
Aux. Tankers	5	80	85
Bangor M/S	358	3637	3995
Other M/S	50	360	410
Examination Vessels	30	308	338
Boom Attendant		17	17
Boom Maintenance	3	80	83
Looplayer	3	36	39
Gate Vessels	1	134	135
Tugs	16	158	174
Diving Boats		12	12
D.E.M.S.		164	164
Serving with R.N.	556	880	1436
TOTAL AFLOAT	2066	16135	18201

ASHORE
(including WRCNS)

	Officers	Ratings	Total
Stadacona	715	6535	7250
Cornwallis	190	2988	3178
Kings	294	243	537
Protector	78	651	729
Captor	50	232	282
Shelburne	31	272	303
Fort Ramsay	25	220	245
Chaleur	32	187	219
Hochelaga	33	121	154
St. Hyacinthe	36	951	987
	1484	12400	13884
Naden	262	4350	4612
Givenchy	167	1194	1361
Royal Roads	22	156	178
Chatham	56	476	532
Vancouver	110	276	386
	617	6452	7069
	2101	18852	20953

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ASHORE (Continued)

	Officers	Ratings	TOTAL
Brought Forward	2101	18852	20953
Avalon	286	2060	2346
Bytown	507	509	1016
Bytown Div. II	17	310	327
Niobe	64	548	612
R.C.N.V.R. Divisions	328	5644	5972
	1202	9071	10273
Signal Stations		454	
Ports and Shipyards		35	
D.E.M.S. Ashore		70	
		559	559
TOTAL ASHORE	3303	28482	31785

R.C.N.V.R. DIVISIONS

Division	ACTIVE SERVICE Officers	DIVISIONAL STRENGTH Officers
Halifax	0	22
Charlottetown	12	3
Saint John	11	5
Quebec	12	5
Montreal	41	127
Cartier	7	16
Ottawa	17	10
Kingston	8	12
Toronto	82	107
Hamilton	20	20
London	13	21
Windsor	11	17
Port Arthur	11	1
Winnipeg	21	17
Regina	10	0
Saskatoon	10	14
Edmonton	13	2
Calgary	12	6
Vancouver	17	11
Esquimalt	0	11
	328	427

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels.)

1. New Construction, of R.C.N. Ships and Vessels, week ended 8th February.

Launchings : H.M.C. Frigate "PRINCE RUPERT"
Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 6

2. Total R.C.N. Vessels in Commission, 8th February.

Auxiliary Cruisers	-	2
Destroyers	-	12
Corvettes	-	75
Minesweepers	-	58
Motor Launches	-	48
Base Supply Ships	-	2
Patrol Craft & Auxiliary Vessels	-	346
T O T A L	-	543

The number of R.C.N. Corvettes was reduced during the week from 76 to 75 owing to the sinking in the Mediterranean of H.M.C.S. "LOUISBURG", one of 16 Corvettes on loan to the Royal Navy.

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the previous and past week:

	Week ended 1st Feb.		Week ended 8th Feb.	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	163	70.9	159	69.2
Working Up	18	7.8	21	9.1
Boiler Cleaning or Repairs not over 7 days	4	1.7	9	3.9
Under Refit or Repairs over 7 days	45	19.6	41	17.8
T O T A L	230	100	230	100

4. Damage and Loss to R.C.N. and Allied Ships

(a) H.M.C.S. "MINAS" (Bangor M/S) was seriously damaged in a collision with H.M.S. "LISCOMB" off Chedabucto. H.M.S. "LISCOMB" appeared to be undamaged, but "MINAS" was holed on the starboard side from the upper deck to below the water

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line. The Petty Officers' mess was flooded and possibly the magazine. All adjacent compartments were made tight, the bulk head was shored and she was able to proceed into Halifax on her own steam.

(b) H.M.C.S. "BROCKVILLE" (Bangor M/S) struck a submerged object near Port Aux Basques while on convoy duty 3rd January. Her Anti-submarine dome was damaged or lost. Ice was not heavy at the time and the cause of the accident is unknown.

(c) H.M.S. "MISCOU" (W.I. Trawler) also struck a submerged object on 7th February damaging her anti-submarine dome and compelling her to return to Louisburg.

(d) H.M.C.S. "STAR XVI" (M/S) grounded while breaking ice in Lunenburg Harbour but was refloated without apparent damage.

(e) Salvage operations on H.M.C.S. "QUINTE" (Bangor M/S) have been temporarily abandoned owing to severe ice conditions. Lying on her side in St.. Peter's Bay Canal, she has been partly righted, but further pumping must be carried out before the ship can be hauled to an upright position, It is planned to have portable pumps brought in by rail as ice makes it impossible to send a salvage vessel to the scene of operations.

5. Request for Minesweepers at Newfoundland

F.O.N.F. in a recent signal pointed out that there are no local minesweepers in the Newfoundland Command, as all Bangor (M/S) available are required for coastal convoy and other escort work. He also pointed out that in Newfoundland, there is no force corresponding to the Halifax Force and the approaches to St. John's are not safeguarded by sea patrols or exploratory sweeps.

In view of the possibility of small minefields being laid off the Harbours and athwart convoy routes along the Grand Banks and Cape Race, he strongly recommended that some ships be equipped and kept trained to undertake minesweeping operations at short notice. Failing this, he suggested that two existing Newfoundland Force Bangors retain Oropesa and two others L.L.

In reply to this request, N.S.H.Q. concurred in the desirability of increasing the Newfoundland Force sufficiently to provide these safeguards, but stated that it was impossible to allot more than 8 Bangor Class Minesweepers (the Newfoundland Force now comprises 7 Minesweepers and 8 Motor Launches) for Wabana - Sydney and St. John's coastal convoys and local defence purposes before 1st July, when New Construction will make additional vessels available.

6. Proposed Classification of Escort Ships.

Admiralty suggests that vessels with endurance of over 3500 miles at a Convoy speed of 12 knots (e.g. sloop cutters, twin screw corvettes and modern destroyers) be classified Long (L); and vessels with endurance at this Convoy speed of less than 3500 miles and more than 2000

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miles (e.g. Flower Class Corvettes and Converted Destroyers) be classified as Medium (M). The object is to establish a simple classification of ships capable of escorting long distances and those capable of escorting medium distances such as for H.X., O.N. and other N. Atlantic convoys.

7. Minol Depth Charges Available

Admiralty announces that Destroyers and River Class Corvettes should exchange outfits of Amatol Depth Charges for the more powerful Minol Depth Charges at the first convenient opportunity.

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarises the convoy sailings during the two weeks ended 6th February in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	30th Jan. (Revised)	6th Feb.
Canadian Coastal Convoys			
HS & SH	Halifax/Sydney	-	-
HJ & JH	Halifax/St. John's, Nfld.	23	34
HF & FH	Halifax/St. John, N.B.	21	17
SQ & QS	Sydney/Quebec	-	-
SB & BS	Sydney/Cornerbrook	-	-
LC & CL	Sydney/St. John's, Nfld.	-	-
BW & WB	Sydney/Wabana	-	-
SPAB	Louisburg/Port aux Basques	2	1
LN & NL	Quebec/Labrador	-	-
JN & NJ	St. John's, Nfld./Labrador	-	-
HON	Halifax/New York (via ONS)	1	-
HON	" " " (via ON)	16	2
WON	St. John's, Nfld./New York (via ONS)	-	-
WON	" " " /New York (via ON)	-	-
CAPE COD GROUP	Halifax/New York	3	3
		66	57

Atlantic Convoys

		W/o 30/1			W/e 6/2
HX	225	45	HHX	225	1
SC	118	66	WHX	225	2
ON	162	51	SC	119	40
ONS	163	35	HSC	119	19
ON(J)	162	2	ON	164	34
ONS(J)	163	9	ONS	163	32
		208			128

208 128

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Week Ended February 6th

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys HX 225 and SC 119.

Note: Mid Ocean Escorts for ON 164 and ONS 165 not yet designated.

Caribbean Convoys

NG & GN	New York/Guantanamo	73		38	
			73		38
	T O T A L		347		223

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	248,165	169,192
Atlantic Convoys	1,204,047	684,404
Caribbean Convoys	481,686	243,060
T O T A L	1,933,898	1,096,656

2. Convoy Conference at N.S.H.Q.

Commencing 22nd February, a conference will be held at Naval Service Headquarters attended by the Chiefs of Staff to the Commanding Officer Atlantic Coast and to the Flag Officer Newfoundland Force, and the Naval Officers-in-charge, Quebec, Gaspe and Sydney.

The agenda will include:

(a) Operational problems in the Gulf of St. Lawrence,

(b) Escorts for Canadian Coastal Convoys,

(c) The operations of motor launches during 1943,

(d) Special problems suggested by the local commands.

3. Washington Convoy Conference

As soon as arrangements can be made for Admiralty representation, a conference will be held of R.N., U.S.N. and R.C.N. representatives in Washington to discuss operational control of the Northwest Atlantic trade convoy escort Forces.

Royal Canadian Navy representatives will be:-

Rear-Admiral V.G. Brodeur, R.C.N., Naval Member Canadian Joint Staff,
Captain W.B. Creery, R.C.N., Chief of Staff to Commanding Officer Atlantic Coast,
A/Captain H.N. Lay, R.C.N., Director of Operations Division, N.S.H.Q.
A/Captain H.G. DeWolf, R.C.N., Director of Plans, N.S.H.Q.

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Cominch has indicated that, provided there is unified control, he is prepared to withdraw C.T.F. 24 and turn over Trade Convoy Escort matters to British or Canadian control. With this in mind, proposals have been put forward by the Naval and Air Headquarters Staffs for the establishment of a Canadian Naval Commander-in-Chief in the North West Atlantic area. This Commander-in-Chief would combine the present Commands of C.O.A.C. and F.O.N.F. and would have control of all Surface and Air Anti-submarine Forces in the North West Atlantic area.

ii. U-boat Activity

(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report).

(a) Canadian Coastal Waters

1. There were four sightings of U-boats in Canadian waters during the week, three of them in the vicinity of Newfoundland. The Eastern Air Command reported that an aircraft sighted a probable periscope Southwest of Cape Sable on 6th February. A shore watcher sighted a U-boat on the surface in Conception Bay, Nfld. S.S. "EMPIRE BRUCE" of Convoy ONS 163 sighted a U-boat on 7th February, 175 miles Northeast of Cape Bonavista shortly before she was attacked. H.M.S. "BURNHAM" sighted a U-boat on the surface in approximately the same position.

2. Three counter attacks were made on U-boats, all by aircraft off Newfoundland, in the vicinity of the attack on S.S. "EMPIRE BRUCE". No definite results are known but one aircraft attacking a U-boat on 6th February, dropped three depth charges and reported two hits.

3. The U.S. Convoy SG 19 from St. John's, N.F., to Greenland was attacked during the night of 3rd February 120 miles West of Cape Farewell, and S/S "DORCHESTER", carrying 747 passengers, was torpedoed. Eight U.S. Coast Guard Cutters and Local Craft were despatched from Greenland to assist in rescue operations. During the previous night, at least three U-boats had been in contact with SG 19.

Three attacks on U-boats were carried out by aircraft West and Southwest of Cape Farewell in the vicinity of the attack on Convoy SG 19. One reported that it sighted a U-boat and dropped bombs on it from 600 feet; another that it attacked with all depth charges.

(b) Canada/U.K. Sea Lanes

1. Convoy HX 224 was attacked by U-boat 1100 miles West of Ireland, during the night of 1st and 2nd February. H.M.S. "HIGHLANDER" reports that S/S "EMPIRE GLADE" struck a submerged object on 2nd February, shortly after a depth charge attack by H.M.C.S. "COLLINGWOOD", and it is suggested that the object might have been a damaged U-boat. Two ships were torpedoed and sank.

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2. Convoy SC 118, consisting originally of 50 ships, with an escort of 11 ships, comprising H.M.S. "VANESSA", "VIMY", "BEVERLEY", "CAMPANULA", "ANEMONE", "ABELIA", "LOBELIA" and "MIGNONETTE" and U.S.S. "BIBB", "SCHENCK" and "INGHAM", was subjected to heavy U-boat attacks. The attacks were carried out at night, 1000 - 650 miles West of Ireland.

On the 3rd and 4th February, shadowing commenced and on 5th February a straggler was torpedoed. During the night of 6th/7th February, seven more ships, including the convoy rescue ship, were torpedoed and sunk. On the 8th, a ninth ship was torpedoed and sunk. On 4th February H.M.S. "VIMY" sank the U-187, 3 officers and 36 ratings being taken prisoners. Four separate attacks on U-boats were also made by Liberator aircraft on the 6th.

3. A pilot of the Ferry Command, en route from the United Kingdom to Gander, reported that he sighted six U-boats on the surface about 1150 miles from Ireland. The U-boats appeared larger than the Triton class, with conning tower further aft. He reported that a surface vessel of 4000 - 6000 tons also was observed in their midst and no reply was received when a recognition signal was flashed. The vessel had two funnels forward, the aft was flat and she had grey camouflage. Her speed was slow but she seemed undamaged. Since that date a second report has been received of the sighting of an unidentified vessel in the vicinity.

4. S/S "EMPIRE BRUCE" in Convoy ON 163 was torpedoed on the night of 6th February approximately 175 miles Northeast of Cape Bonavista. H.M.S. "BURNHAM", one of the escorts, attacked an enemy U-boat on the 7th with doubtful results. There have been no further attacks and ON 163 now seems to be out of the danger zone, having passed Cape Race.

5. There appears to be quite a heavy concentration of U-boats between 55 N 40 W and St. John's, N.F., along the North Atlantic convoy routes.

6. H.M.S. "CLARE" and "LONDONDERRY" made a promising attack on a U-boat South of Iceland on 3rd February. H.M.S. "LONDONDERRY" was damaged in the attack by the explosion of one of her depth charges.

7. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 2400, 9th February, 1943, are as follows:

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
July	609	3	0.5
August	735	21	2.9
September	664	11	1.7
October	641	18	2.8
November	533	21	3.9
December	604	19	3.1
1943			
January	595	3	0.5

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IV. R.C.N. SHIPS ON LOAN

1. Convoy KMS 8 (U.K. - Mediterranean, Slow) was attacked by bombers and torpedo bombers on 6th February N.E. of Oran. H.M.C.S. "LOUISBURG", one of the R.C.N. Corvettes on loan to the R.N., and apparently one of the escorting vessels, was sunk. The Commanding Officer, one other officer and 33 ratings were lost.

2. H.M.C.S. "REGINA", which was escorting stragglers from Convoy KMS 8, attacked a U-boat during the night of the 8th/9th February, North of the Gulf of Stora (between Bougie and Bone). The U-boat surrendered and was taken in tow by a tug, but sank 5½ hours later. 27 prisoners were taken.

3. The work of the R.C.N. Corvettes in the Mediterranean during the week included the following:-

i) H.M.C.S. "WEYBURN" participated in local escort of Convoy ET 10.

ii) H.M.C.S. "WOODSTOCK", "CAMROSE", "KITCHENER", "REGINA", "ALGOMA", "MOOSEJAW", and "PRESCOTT" participated in local escort of Convoy KMS 8.

iii) H.M.C.S. "BADDECK", "ALBERNI", "SUMMERSIDE" and "LUNENBURG" all participated in local escort of GUF 4.

V. ADJACENT THEATRES

(Details of merchant shipping losses in the U.S. strategic area through enemy action and marine causes are given in the attached Annex.)

1. U.S. Atlantic Coastal Area

There was comparatively little U-boat activity along the U.S. Atlantic Coast during the week.

Only two sightings were reported and they were both off Florida. There was only one attack by U-boats and that failed. S.S. "MEMPHIS" reported on 4th February that she had been attacked by torpedo off St. Augustine, Florida, but apparently she escaped unscathed.

Nine attacks were made on U-boats or sound contacts along the U.S. Atlantic Coast, all by surface vessels. Four were made off Long Island, two off Cape Lookout, two off Southport and Cape Henry and one off Parris Island, S.C.

2. Caribbean and Trinidad Areas.

It was an extraordinarily quiet week in the Caribbean and Trinidad areas, with the only U-boat activity consisting of one sighting near St. Martin, Lesser Antilles.

3. Southern Mid-Atlantic

Two ships were reported sunk by torpedo in this area. S.S. "CAPE DECISION" en route from Charleston to

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Dakar, and the British passenger ship "RHEXENOR" en route to St. John, N.B., were both torpedoed and sunk in Southern mid-ocean on 25th January and 3rd February respectively.

4. North America/North Africa Sea Lanes

Losses sustained by convoys operating between North America or the Caribbean and North Africa, on the basis of information received up to 2400, 9th February, 1943, are as follows:

Month 1943	Ships Convoyed	Ships sunk while under Escort	% Sunk
January	101	10	9.9

5. Aleutians

Enemy float type fighter and reconnaissance planes have arrived at Kiska, probably flown from Attu. Russel Island has been occupied by Japanese, brought in by destroyers. It is believed that a Japanese convoy will soon sail for the Kiska - Attu area.

On the 1st and 3rd of February, eight or ten Japanese single float fighters cruised above the overcast over the Harbour at Amchitka, but dropped no bombs. Bad weather has prevented Allies from attacking Kiska from Adak. Weather patrol reported no change in enemy shipping. Two enemy aircraft attacked U.S. Destroyers at Amchitka, but made no attempt to attack shore installations.

VI. WORKS

A. ANTI-SUBMARINE

A/S training projects for the year have been discussed in detail with the school authorities, and agreement reached in respect to scheduling, training equipment required, etc. It has been determined that from midsummer on, four full time A/S training vessels will be required.

The Real Estate Agent has reported that the details of procurement of land for the West Coast Fixed Defence Stations are nearly complete; procurement of land for East Coast Stations is being hastened.

Work has been proceeding at the National Research Council in connection with the Clairmonte Tuning Method, as it is claimed that proper tuning can increase range by 100%.

A report has been received from N.R.C. Halifax, outlining the new Electrodes now made, and with which it is proposed to conduct deep water experiments on Underwater Electric Potential (a method of detection somewhat similar to Indicator Loops).

B. BOOM DEFENCE

Work at the Halifax Boom in the past week consisted of the placing of the new A/S Net Section with the old Admiralty Net Defence Net overlaid, at Section "B".

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Shipments of material to Louisburg, N.S., is continuing by truck due to the fact that Boom Defence Vessels are frozen in at Louisburg, the last trip having been made on 23rd January. Ice conditions have also interrupted Net Laying Operations at this base.

At Gaspe, P.Q., Base Personnel assisted Engineers to take soundings through the ice.

C. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 83.

Gun-mounting was completed on 3 ships and 3 others are in hand for arming.

D. TECHNICAL RESEARCH

Authority has been given to proceed with the installation of Sonic-Acoustic Type "C" Gear in H.M.C.S. "MAHONE".

Experimental work on the production of a Remote Indicating Hydrometer has resulted in an apparently practical solution to the problem of providing a continuous check on "LL" Sweep Battery specific gravities from any selected position in the ship.

A re-examination is in progress of each item on the revised list of rubber products in use in the Naval Service, to determine which of the synthetic rubbers can be substituted for natural rubber when stocks of the latter become non-existent.

Forty-five inventions have been examined, but none have been recommended for development.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,096,840.18.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
Sec. C.S.C.

Naval Report Only

Secretary, Defence Council (12 copies) Copies Nos. 11-22
C. N. S. (2 copies) Copies Nos. 23 and 24
N. M. C. S. Copy No. 25
C. N. A. Copy No. 26
N. I. D. 4 (2 copies) Copies Nos. 27 and 28
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C180168

MERCHANT SHIPPING CASUALTIES

SECRET Report number 6 for week ending Feb. 8th, 1943 NS 1048-47-5

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION IN U.S. STRATEGIC AREA NORTH OF THE EQUATOR.

	NAME	TONS	TIME	POSITION	DETAILS
30A	"CAPE DECISION" (Am. cargo)	5106	0451Z Jan.27	22° 57'N 47° 28'W	Torpedoed and sunk.
31A	"JEREMIAH VAN RENSSELAER" (Am. cargo)	7177	Feb.2.	56° 00'N 29° 00'W (approx)	Torpedoed and sunk.
32A	"DORCHESTER" (Am. cargo)	5649	0200Z Feb.3.	59° 22'N 48° 42'W	Torpedoed.
33A	"HEXENOR" (Br. cargo)	7957	0945Z Feb.3.	24° 52'N 43° 58'W	Torpedoed.
34A	"WEST PORTAL" (Am. cargo)	5376	Feb.5.	53° 00'N 33° 00'W	Torpedoed.
35A	"DAGHILD" (Nor. tanker)	9272	Feb.7.	55° 25'N 26° 12'W	Torpedoed.
36A	"HENRY R. MALLORY" (Am. cargo)	6063	Feb.7.	55° 27'N 26° 07'W	Torpedoed.
37A	"ROBERT E. HOPKINS" (US cargo)	6625	Feb.7.	55° 00'N 26° 00'W (approx)	Torpedoed.
38A	"TOWARD" (Br. cargo)	1571	Feb.7.	55° 13'N 26° 22'W	Torpedoed and sunk.
39A	"EMPIRE BRUCE" (Br. cargo)	7459	Feb.7.	49° 59'N 50° 31'W	Attacked.
40A	"AFRIKA" (Br. cargo)	8597	Feb.7.	55° 00'N 26° 00'W	Torpedoed.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

41A	"OROPOS" (Gr. cargo)	4474 tons	Due Halifax from U.K. Dec.28/42	Overdue and presumed lost.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

27A	"VESTFOLD" (Pa. tanker)	14,547	See report #3 Jan.18/43.	Reported torpedoed. Now confirmed sunk.

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and North of the Equator)

27B	"ST.SUNNIVA" (Br. cargo)	1368	Jan.21	43° 27'N 61° 17'W	Missing possibly lost due to weather.
28B	" BERWINDVALE" (Am. cargo)	4411	Feb.4.	41° 00'N 71° 00'W (approx)	Damaged in collision.
29B	PILE DRIVER		Feb.5.		Employed in 3000 ton haulout capsized in ice while in tow of "LAURIER".
30B	"SILVERMAPLE" (Br. cargo)	5313	Feb.5.	36° 46'N 75° 47'W	Ran on wreck, now off with serious damage forward. Arrived Norfolk 5/2/43.
31B	"AGIOS GEORGIOS" (Gr. cargo)	4248	Feb.7.	52° 48'N 49° 32'W	Completely broken down, escorting vessel standing by.
32B	"RECIFELOIDE" (Bz. cargo)	5335	Feb.8.	38° 23'N 68° 07'W	Out of fuel drifting.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

11B	"MERTON" (Br. cargo)	7195	See report #4 Jan.25/43.	Reported drifting. Arrived St. John,N.B. 1/2/43.
16B	"CULBERA" (Pan. cargo)	5264	See report #4 Jan.25/43.	Reported broken stern post. Arrived off Oversay Jan.28/43.
17B	"KOLLBJORG" (Nor. tanker)	8259	See report #4 Jan.25/43.	Reported broke in two. Now a total loss.
18B	"FAIRWATER" (Br. cargo)	4108	See report #4 Jan.25/43.	Reported steering gear disabled, drifting. Arrived St. John's, Nfld. Feb.7/43.
19B	"FORT LA MAUNE" (Br. cargo)	7130	See report #4 Jan.25/43.	Reported in distress. Arrived Reykjavik 30/1/43.
20B	"MAPLEWOOD" (Br. cargo)	4566	See report #4 Jan.25/43.	Reported possible loss. Arrived Halifax 2/2/43.
22B	"SIREHEI" (Nor. cargo)	3888	See report #4 Jan.25/43.	Reported stuck in ice. Arrived Halifax 2/2/43.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic Area)

1942

TOTAL 600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons	
Average 50	17	67	357,983	
Month December29	4	33	184,583	

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SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator and within U.S. Strategic area) (Cont.)

1943					
January	6 Cargo	3 Tankers	TOTAL	9 Ships	53,967 Tons.
February (to 8th)	2	0		2	8,748
TOTAL	8 Cargo	3 Tankers	TOTAL	11 Ships	62,715 Tons.

SHIPPING LOST NORTH OF 40° N within U.S. STRATEGIC AREA.

(Included in above totals)

1942					
TOTAL	162 Cargo	38 Tankers	TOTAL	200 Ships	1,459,038 Tons.
Average Month	14	3		17	96,212
December	18	4		22	132,250
1943					
January	1	0		1	14,547
February (to 8th)	2	0		2	8,748
TOTAL	3 Cargo	0 Tankers	TOTAL	3 Ships	23,295 Tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the equator)

1942				
TOTAL	53 Cargo	1 Tanker	TOTAL 54 Ships	143,263 Tons.
Average Month	5	0	5	11,939
December	8	0	8	14,928
1943				
January	5	2	7	28,389

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada UK shipping Lanes.	3	0	3	7	0	7
US Atlantic Seaboard	0	0	0	0	0	0
Caribbean	0	0	0	0	0	0
Trinidad Area.	0	1	1	0	1	1
TOTAL	3	1	4	7	1	8

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SHIPPING LOSSES DURING THE PAST FOUR WEEKS, DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

Week ending.

Jan.18th	0 cargo	1 tanker	TOTAL	1 ship	14,547 tons.
Jan.25th	0	0		0	00,000
Feb.1st	1	0		1	5,106
Feb.8th	2	0		2	8,748

Average weekly losses.

(a) In 1942.

15.3 ships per week.
5,335 tons per ship.
82,612 tons per week.

(b) During the past 10 weeks.

4.4 ships per week.
5,623 tons per ship.
24,740 tons per week.

NOTE:

All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance firms or other Commercial interests.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Jan.22	ON 163	"NEVA"#			
Jan.27	UGS 4	"CITY OF FLINT"#			
Jan.27	UGS 4	"JULIA WARD HOWE"#			
Jan.27	UGS 4			"CHARLES C. PINCKNEY"#	
Jan.17	HX 224	"VESTFOLD"			
Feb.2	HX 224	"JEREMIAH VAN RENSSELAER"			
Feb.3	SG 19			"DORCHESTER"	
Feb.3	HX 224	"INVERILEN"#			
Feb.5	SC 118			"WEST PORTAL"	
Feb.7	SC 118	"TOWARD"			
Feb.7	SC 118			"DAGHILD"	
Feb.7	SC 118			"HENRY R. MALLORY"	
Feb.7	SC 118			"ROBERT E. HOPKINS"	
Feb.7	SC 118			"AFRIKA"	
Feb.8	SC 118			"NEWTON ASH"#	

# Indicates attack outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
OCTOBER	671	18	5	1	
NOVEMBER	533	21	2	4	
DECEMBER	604	20	2	6	
JANUARY (1943)	765	16	-	3	
FEBRUARY (to 9th)	177	5	-	8	

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Secretary,
Chiefs of Staff Committee.

C180173

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 19th February, 1943.

Weekly Summary of Information respecting
Departmental Activities

SUMMARY NO. 172

REPORT NO. 109

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 13th February, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 13th February, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	3	1	0	2	1	-1	588	3401	3989
RCNR	2	9	1	7	1	1	923	4986	5909
RCNVR	2	457	3	57	21	-23	4231	40065	44296
TOTAL	7	467	4	66	23	-23	5742	48452	54194
LESS DIV. STRENGTH							501	3050	3551
TOTAL ACTIVE SERVICE							5241	45402	50643
WRCNS	0	105	0	0	0	0	56	1281	1337
GRAND TOTAL	7	572	4	66	23	-23	5297	46683	51980

B. CASUALTIES:

2 Officers, 33 Ratings--Missing, presumed killed in action, in H.M.C.S. "LOUISBURG"--6.2.43.

Jack Ziporkin, Able Smn., V10573, RCNVR--Discharged "Dead"--3.12.42.

Total Deaths to date are given in Section C.

	Officers	Ratings	TOTAL
Total Wounded or Injured to date	8	121	129
Prisoners of War	3	2	5

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Week Ended 13th Feb., 1943			Period from 31st Aug., 1939, to 13th Feb., 1943		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	7	467	474	4808	50952	55760
2.	Promotions from Lower Deck	23	-23	-	936	-936	-
		30	444	474	5744	50016	55760
3.	Deductions from Strength						
	Discharges from Active Service:						
	--Medically Unfit	0	16	16)	256	3410	3666
	--Other Reasons	2	7	9)			
	Discharges from Div. Strength	0	9	9	15	942	957
	Casualties:						
	--Killed on Active Service	2	33	35	87	682	769
	--Other Deaths	0	1	1	11	85	96
	Total Deductions	4	66	70	369	5119	5488
4.	Net Increase	26	378	404	5375	44897	50272
5.	Personnel at Beginning of Period	5716	48074	53790	367	3555	3922
6.	PRESENT STRENGTH	5742	48452	54194	5742	48452	54194

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	6	1344	1350
Promotions from Lower Deck	51	-51	-
	57	1293	1350
Discharges to date	1	12	13
PRESENT STRENGTH	56	1281	1337

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 13th February, 1943.

AFLOAT

	Officers	Ratings	Total
Aux. Cruisers	87	985	1072
Destroyers -			
- Tribals	27	370	397
- Rivers	55	852	907
- Towns	73	948	1021
Corvettes	468	5386	5854
Fairmiles	114	710	824
M.T.B.	2		2
Patrol Boats	174	210	384
Fishermen's Reserve	2	420	422
Harbour Craft	12	394	406
Base Supply Ships	32	162	194
Aux. Tankers	5	79	84
Bangor M/S	359	3633	3992
Other M/S	46	366	412
Examination Vessels	26	319	345
Boom Attendant		18	18
Boom Maintenance	3	88	91
Looplayer	3	36	39
Gate Vessels	4	145	149
Tugs	17	159	176
Diving Boats		14	14
D.E.M.S.		166	166
Serving with R.N.	562	888	1450
TOTAL AFLOAT	2071	16348	18419

ASHORE
(including WRCNS)

	Officers	Ratings	Total
Stadacona	720	6620	7340
Cornwallis	190	2989	3179
Kings	297	226	523
Protector	78	675	753
Captor	49	233	282
Shelburne	30	273	303
Fort Ramsay	23	224	247
Chaleur	30	179	209
Hochelaga	29	107	136
St. Hyacinthe	40	972	1012
	1486	12498	13984
Naden	258	4139	4397
Givenchy	171	1220	1391
Royal Roads	22	157	179
Chatham	55	490	545
Vancouver	111	283	394
	617	6289	6906
	2103	18787	20890

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ASHORE (Continued)

	Officers	Ratings	TOTAL
Brought Forward	2103	18787	20890
Avalon	291	2016	2307
Bytown	508	530	1038
Bytown Div. II	17	342	359
Niobe	64	653	717
R.C.N.V.R. Divisions	329	5740	6069
	1209	9281	10490
Signal Stations		445	
Ports and Shipyards		39	
D.E.M.S. Ashore		71	
		555	555
TOTAL ASHORE	3312	28623	31935

R.C.N.V.R. DIVISIONS AS AT 15th FEBRUARY, 1943.

	OFFICERS		RATINGS
	Active Service	Divisional Strength	Divisional Strength
Halifax		23	81
Charlottetown	12	3	22
Saint John	11	5	55
Quebec	12	6	6
Cartier	6	16	77
Montreal	39	133	188
Ottawa	14	40	113
Kingston	9	16	81
Toronto	68	110	370
Hamilton	17	37	358
London	13	20	247
Windsor	12	19	161
Port Arthur	12		24
Winnipeg	20	20	262
Regina	10		49
Saskatoon	11	15	187
Edmonton	10	3	202
Calgary	12	12	207
Vancouver	16	12	293
Esquimalt		11	48
T O T A L	304	501	3031
Bay of Islands Naval Patrol	-	-	19
GRAND TOTAL	304	501	3050

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels.)

1. New Construction of R.C.N. Ships and Vessels, week ended 15th February.

Launchings : Nil
Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 4

2. Total R.C.N. Vessels in Commission, 15th February.

Auxiliary Cruisers	-	2
Destroyers	-	12
Corvettes	-	75
Minesweepers	-	58
Motor Launches	-	48
Base Supply Ships	-	2
Patrol Craft and Auxiliary Vessels	-	350
T O T A L		547

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 8th Feb.		Week ended 15th Feb.	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	159	69.2	160	69.6
Working up	21	9.1	19	8.3
Boiler Cleaning or Repairs not over 7 days	9	3.9	7	3.1
Under Refit or Repairs over 7 days	41	17.8	44	19.0
T O T A L	230	100	230	100

4. Transfer of H.M.C. and H.M. Ships

Transfer of H.M.C. and of H.M. Ships under R.C.N. control between forces are shown below:

SHIPS	Class	From	To	Date Effective
H.M.C.S. "NIPIGON"	Bangor M/S	Halifax Force	Newfoundland Force (on loan)	16th Feb.
H.M.C.S. "ESQUIMALT"	" "	New Construction	Newfoundland Force	9th March

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5. Shortage of Tugs

Heavy weather damage to merchant and escort ships during January and part of February has revealed a shortage of tugs for towing which has been aggravated by the departure of H.M.R.T. "FRISKY" for New Orleans and Freetown. When S.S. "GUJARAT", ex-convoy SC 119, broke down 130 miles East of St. John's, Nfld., on 10th February, there were no tugs available and H.M.C. Corvettes "KAMSACK" and "BARRIE" had to be sent to her assistance.

III. OPERATIONS

A. ATLANTIC

i. Protection of Seaborne Trade

1. The following table summarizes the convoy sailings during the two weeks ended 13th February in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	Week Ended 6th Feb. (Revised)	Week Ended 13th Feb.
Canadian Coastal Convoys			
HS & SH	Halifax/Sydney	-	-
HJ & JH	Halifax/St. John's, Nfld.	34	18
HF & FH	Halifax/St. John, N.B.	17	19
SQ & QS	Sydney/Quebec	-	-
SB & BS	Sydney/Cornerbrook	-	-
LC & CL	Sydney/St. John's, Nfld.	-	-
BW & WB	Sydney/Wabana	-	-
SPAB	Louisburg/Port aux Basques	1	4
LN & NL	Quebec/Labrador	-	-
JN & NJ	St. John's, Nfld./Labrador	-	-
HON	Halifax/New York (via ONS)	-	1
HON	" " (via ON)	2	-
WON	St. John's, Nfld./New York (via ONS)	-	6
WON	" " /New York (via ON)	-	1
HALIFAX SPEC.	Halifax (Cable Ship)	-	1
SPECIAL	Louisburg/Argentia	-	1
CAPE COD GROUP	Halifax/New York	3	-
		57	51

Atlantic Convoys

		W/e 6/2			W/e 13/2		
HHX	225	1	HX	226	45		
WHX	225	2	HHX	226	5		
SC	119	40	WSC	119	5		
HSC	119	19					
ON	164	34					
ONS	165	32					
		128			55	128/185	55/106

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HF & FH	Halifax/St. John, N.B.	17	19
SQ & QS	Sydney/Quebec	-	-
SB & BS	Sydney/Cornerbrook	-	-
LC & CL	Sydney/St. John's, Nfld.	-	-
BW & WB	Sydney/Wabana	-	-
SPAB	Louisburg/Port aux Basques	1	4
LN & NL	Quebec/Labrador	-	-
JN & NJ	St. John's, Nfld./Labrador	-	-
HON	Halifax/New York (via ONS)	-	1
HON	" " (via ON)	2	-
WON	St. John's, Nfld./New York (via ONS)	-	6
WON	" " /New York (via ON)	-	1
HALIFAX SPEC.	Halifax (Cable Ship)	-	1
SPECIAL	Louisburg/Argentia	-	1
CAPE COD GROUP	Halifax/New York	3	-
		57	51

Atlantic Convoys

		W/e 6/2			W/e 13/2		
HHX	225	1	HX	226	45		
WHX	225	2	HHX	226	5		
SC	119	40	WSC	119	5		
HSC	119	19					
ON	164	34					
ONS	165	32					
		128			55	128	55
						185	106

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	Brought forward	185	106
	Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys HX 225, SC 119, HX 226 and ON 164.		
	Caribbean Convoys		
NG & GN	New York/Guantanamo	38	28
		38	28
	T O T A L	223	134

Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	169,192	171,227
Atlantic Convoys	684,404	395,475
Caribbean Convoys	243,060	179,644
T O T A L	1,096,656	746,346

Mediterranean Area

The work of the R.C.N. Corvettes in the Mediterranean during the week included the following:

(1) H.M.C.S. "WEYBURN" and "LUNENBURG" participated in local escort of Convoy TE 15.

(2) H.M.C.S. "REGINA", "ALGOMA", "MOOSE JAW", "WOODSTOCK", "PRESCOTT", "CAMROSE" and "KITCHENER" participated in local escort of Convoy ET 11.

(3) H.M.C.S. "NASTURTIUM" participated in local escort of Convoy MKS 7.

(4) H.M.C.S. "SUMMERSIDE", "BADDECK" and "PORT ARTHUR" participated in local escort of Convoy K 43.

2. **Washington Convoy Conference**

It was stated in last week's summary that COMINCH was prepared to withdraw CTF 24 and turn over Trade Convoy Escort matters to British or Canadian control, provided this control was unified. With this in mind, proposals had been put forward by the Naval and Air Headquarters Staffs for the establishment of a Canadian Naval Commander-in-Chief in the North West Atlantic Area. This Commander-in-Chief would combine the present Commands of C.O.A.C. and F.O.N.F. and would have control of all surface and Air Anti-submarine Forces in the North West Atlantic Area. Air Headquarters Staff have now withdrawn their agreement to this arrangement pending the return from the U.K. of the C.A.S.

C.in C., U.S. Fleet, has indicated that he will raise the following points at the forthcoming conference:-

A. Operational control of convoys in North West Atlantic areas including aircraft at North Atlantic Bases.

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B. U.S.S.R. Convoys.

C. Study of convoys available in Atlantic.

D. Study of necessary Atlantic convoy routes and convoy requirements for those routes.

E. Assignment of convoys to meet convoy requirements considering both convoys now available and future deliveries.

F. Air support for Atlantic convoys, including assignments to bases and operational control of aircraft.

Admiralty announced it will raise the following points regarding control of the North Atlantic:

1. Establishment of Combined Area Headquarters for the North West Atlantic similar to that which exists at Liverpool. This Combined Area Headquarters would consist of R.C.N. and R.C.A.F. Officers with British and U.S. Liaison Officers under a Flag Officer who would be the co-ordinating authority for the movements and protection of convoys West of new Chop Line.

2. A new Chop Line.

3. Location of Combined Area Headquarters.

4. Re-organization of convoys in three categories of speed:-

(a) ONF/HXF - Minimum speed for inclusion, 11 knots

(b) ONM/HXM - " " " " 9½ "

(c) ONS/HXS - " " " " 7½ "

3. Direct Curacao - U.K. Tanker Convoys

As a measure to arrest the decline in the U.K.'s oil stock, it has been agreed with U.S. Authorities to institute, at an early date, direct tanker convoys every 20 days between the U.K. and Curacao. Convoys will be escorted throughout by properly constituted escort groups, each consisting of approximately 4 sloops and 4 River Class corvettes which have the necessary endurance. It is also hoped to include an escort aircraft carrier with each convoy.

4. Operations Course at N.S.H.Q.

A series of short courses will be given at N.S.H.Q. commencing on 22nd February for Operational and Plotting Officers. These courses will give a brief summary of normal organizational work and the organization of N.S.H.Q. and its relationship with the Commands and Sub-commands. It is considered desirable for all junior officers employed in operational work to attend one of these courses, especially those in Sub-commands.

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ii. U-boat Activity

(Details of the vessels reported during the past week as attacked, damaged or sunk are given in an Annex to this Report.)

(a) U.S. Strategic Area

There has been a certain lull in U-boat activity since the attacks on SC 118 (8th and 9th February). Concentrations shadowing SC 119 and HX 226 were shaken off. The number of subs at sea has dropped from about 80 to 65. Only 1 attack has occurred in the U.S. Strategic Area during the past week and this resulted in a sinking.

This lull however is probably a prelude to the storm. Admiralty expressed the belief that the change in the German Naval High Command portends the adoption of a more daring U-boat policy, which may take the form of U-boats operating close in shore on convoy routes and off the entrance to harbours. It will probably be a few weeks before the new campaign can be put into effect.

(b) Canadian Coastal Waters

One of the largest areas of U-boat concentration is North East of St. John's, Nfld., where a total of 10 subs are patrolling in search of trans-Atlantic convoys, which, of late, have been routed far North, at times approaching Greenland.

There have been only 2 sightings, one by a U.S. plane South of Cape Race and one by the Tanker "SUN OIL" 90 miles off Cape Sable. A diesel engine like that of a submarine was heard off Margaretville in the Bay of Fundy but a search proved fruitless.

(c) Canada - U.K. Sea Lanes

Several groups of U-boats are operating in Mid-Atlantic but routeing and diversion of convoys have prevented them from sinking any ships recently. Several sightings by aircraft were made on the 15th and 16th in Mid-Atlantic and an attack was made by an R.A.F. Liberator on a surfaced U-boat 500 miles South West of Iceland.

(d) Losses sustained by convoys in recent months between North America and the United Kingdom

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
July	609	5	.8
August	735	21	2.9
September	664	16	2.4
October	641	18	2.8
November	533	21	3.9
December	604	20	3.3
1943			
January	595	3	.5
February 1-15	312	10	3.2

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IV. WORKS

A. ANTI-SUBMARINE

Procurement of sites for A/S Fixed Defence Stations on the West Coast has been completed at Prince Rupert (Ridley Island) and Vancouver (Point Atkinson). Options have been obtained on the area required at Port Renfrew.

Admiralty having confirmed the soundness of conclusions reached in the National Research Council Report on Cable Laying, a thorough study of this report is to be made during the coming week by a Committee appointed for that purpose.

An improved Receiver for LIZA Gear has been incorporated in the new Loop Indicator, which it is thought will make propellor vibrations audible over an Indicator Loop System.

B. BOOM DEFENCE

The Anti-torpedo Baffles at Bay Bulls and all Nets at Wabana, Nfld., are reported to be in good order. It is reported from Prince Rupert as well that all mechanical equipment at that Base is in perfect condition.

Net Sections for Second Line 1-1/2 in. Rope Unit Gate and one-half Section were launched at Esquimalt.

At Halifax, a new type of Wire Rope and Metal Preservative is being experimented with and tested in salt water. Experiments on Bell-and-Indicator Signal System, and new types of Grips, etc., are continuing.

C. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 68.

At Esquimalt, gun-mounting was completed on 2 ships, and 3 others are in hand for arming.

D. STORES

The equipment purchased by the Naval Stores amounted this week to $4,597,660.10.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington (3 copies)
Sec. C.S.C.

Naval Report Only

Secretary, Defence Council (12 copies) Copies Nos. 11-22
C. N. S. (2 copies) Copies Nos. 23 and 24
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MERCHANT SHIPPING CASUALTIES

C180183

SECRET Report number 7 for week ending February 15,1943. NS 1048-47-5

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
42A	"HARMALA" (Br. cargo)	5730	0315Z Feb.7.	55° 14'N 26° 37'W	Torpedoed and sunk.
43A	"KALLIOPI" (Gr. cargo)	4965	0600Z Feb.7.	55° 27'N 26° 08'W	Torpedoed and presumed sunk.
44A	"COCKEREL" (Pa. cargo)	3034	300Z Feb.14	25° 04'N 80° 16'W	Unsuccessful submarine attack.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

45A	"LOUISE LYKES" (Am. cargo)	6155 tons	Due Belfast Jan.11/43, from New York.	Overdue and presumed lost.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

35A	"DAGHILD" (Nor.tanker)	9272	See report No.6.Feb.8/43.	Reported torpedoed. Now sunk.
36A	"HENRY R. MALLORY" (Am.cargo)	6063	See report No.6.Feb.8/43.	Reported torpedoed. Now sunk.
37A	"ROBERT E. HOPKINS" (Am. cargo)	6625	See report No.6.Feb.8/43.	Reported torpedoed. Now sunk.
40A	"AFRIKA" (Br.cargo)	8857	See report No.6.Feb.8/43.	Reported torpedoed. Now sunk.
33A	"RHEXENOR" (Br.cargo)	7957	See report No.6.Feb.8/43.	Reported torpedoed. Now sunk.

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

33B	"RECIFELOIDE" (Bz. cargo)	5335	Feb.7.	38° 20'N 69° 00'W	Out of fuel and drifting.
34B	"EMPIRE WAIMANA" (Br. cargo)	8129	Feb.8.		Arrived Halifax Feb.8th with collision damage.
35B	"EUTHALIA" (Gr.cargo)	3551	Feb.8.		Arrived Halifax Feb.8th with collision damage.
36B	"LUCELLUM" (Br. tanker)	9493	Feb.8.	43° 01'N 62° 39'W	In collision with "COPTIC"
37B	"COPTIC" (Br.cargo)	10629	Feb.8.	43° 01'N 62° 39'W	In collision with "LUCELLUM".

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES. (Continued)

38B	"SAMUEL HUNTINGTON" (Am.cargo)	7181	Feb.9.		Damaged due to collision is proceeding to Clyde.
39B	"FISHER AMES" (Am.cargo)	7176	Feb.9.	10° 40'N 79° 28'W	In collision with "NORTHERN SWORD".
40B	"NORTHERN SWORD" (Am.cargo)	2648	Feb.9.	10° 40'N 79° 28'W	Sunk in collision with "FISHER AMES"
41B	"PAN ROYAL" (Am.cargo)	5627	Feb.9.	36° 20'N 67° 30'W	Sunk in collision with "EVITA" and "GEORGE DAVIS".
42B	"GEORGE DAVIS"		Feb.9.	36° 20'N 67° 30'W	Damaged in collision with "PAN ROYAL" and "EVITA". Now arrived Bermuda.
43B	"EVITA"	6346	Feb.9.	36° 20'N 67° 30'W	Damaged in collision with "PAN ROYAL" and "GEORGE DAVIS". Now arrived Bermuda.
44B	"ENDEAVOUR" (Am. schooner)	55	Feb.10	43° 30'N 66° 38'W	In distress, arrived in tow Yarmouth, Feb.10/43.
45B	"GUJARAT" (Br.cargo)	4148	Feb.10	47° 49'N 50° 42'W	In distress.
46B	"PORTLAND" (Pa. cargo)	2648	Feb.11	34° 34'N 76° 35'W	Ran aground and sunk.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

29B	PILE DRIVER		See report No.6 Feb.8/43.	Reported capsized in the ice. Now safely docked at Shelbourne.
31B	"AGIOS GEORGIOS"	4248	See report NO.6 Feb.8/43.	Reported broken down. Now arrived St.John's,Nfld. Feb.9/43.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of the Equator and within U.S. Strategic area)

1943.

JANUARY	6 cargo	3 tankers	TOTAL	9 ships	53,967 tons.
FEBRUARY (to 15th)	8	1		9	58,227
TOTAL	14 cargo	4 tankers	TOTAL	18 ships	112,194 tons.

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SHIPPING LOST NORTH OF 40° N WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942

TOTAL	162 Cargo	38 Tankers	TOTAL	200 Ships	1,159,018 Tons.
Average Month	14	3		17	96,212
December	18	4		22	132,250
1943					
JANUARY	1	0		1	14,547
FEBRUARY (to 15th)	8	1		9	58,227
TOTAL	9 Cargo	1 Tanker	TOTAL	10 Ships	72,774 Tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S.Strategic area North of the Equator)

1942

TOTAL	53 Cargo	1 Tankers	TOTAL	54 Ships	143,263 Tons.
Average Month	5	0		5	11,939
December	8	0		8	14,928
1943					
January	5	2		7	28,389
February (to 15th)	4	0		4	15,067
TOTAL	9 Cargo	2 Tankers	TOTAL	11 Ships	43,456 Tons.

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada UK Shipping Lanes.	8	0	8	3	0	3
US Atlantic Seaboard.	0	0	0	0	0	0
Caribbean	0	0	0	0	0	0
Trinidad Area.	0	2	2	0	0	0
TOTAL	8	2	10	3	0	3

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SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S.Strategic area North of 0°)
(Subject to revision)

Week Ending.				
Jan.25th	0 cargo	0 tankers	TOTAL 0 ships	00,000 tons.
Feb. 1st	1	0	1	5,106
Feb. 8th	8	1	9	58,227
Feb.15th	0	0	0	00,000

Average Weekly Losses.

(a) In 1942.

15.3 ships per week.
5,335 tons per ship.
82,612 tons per week.

(b) During the past 10 weeks.

4.6 ships per week.
5,475tons per ship.
25,188tons per week.

NOTE:

All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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NOTE: The area covered by this report has been extended to include the West Atlantic north ofthe equator and west of the eastern limit of the U.S. strategic area. This new boundary runs from the North Pole south on 10° W to 60° N thence on rhumb-line to 57° N 26°W. south on 26° W to 43° N West on 43° to 40° W south on 30° W to 20° N and thence by rhumb-line to the equator at 21°W. Positions of attacks are tabulated as follows:

(A) Canada-U.K. shipping lanes North of 40° North, East of coastal waters and West of theboundary of the U.S. strategic area.

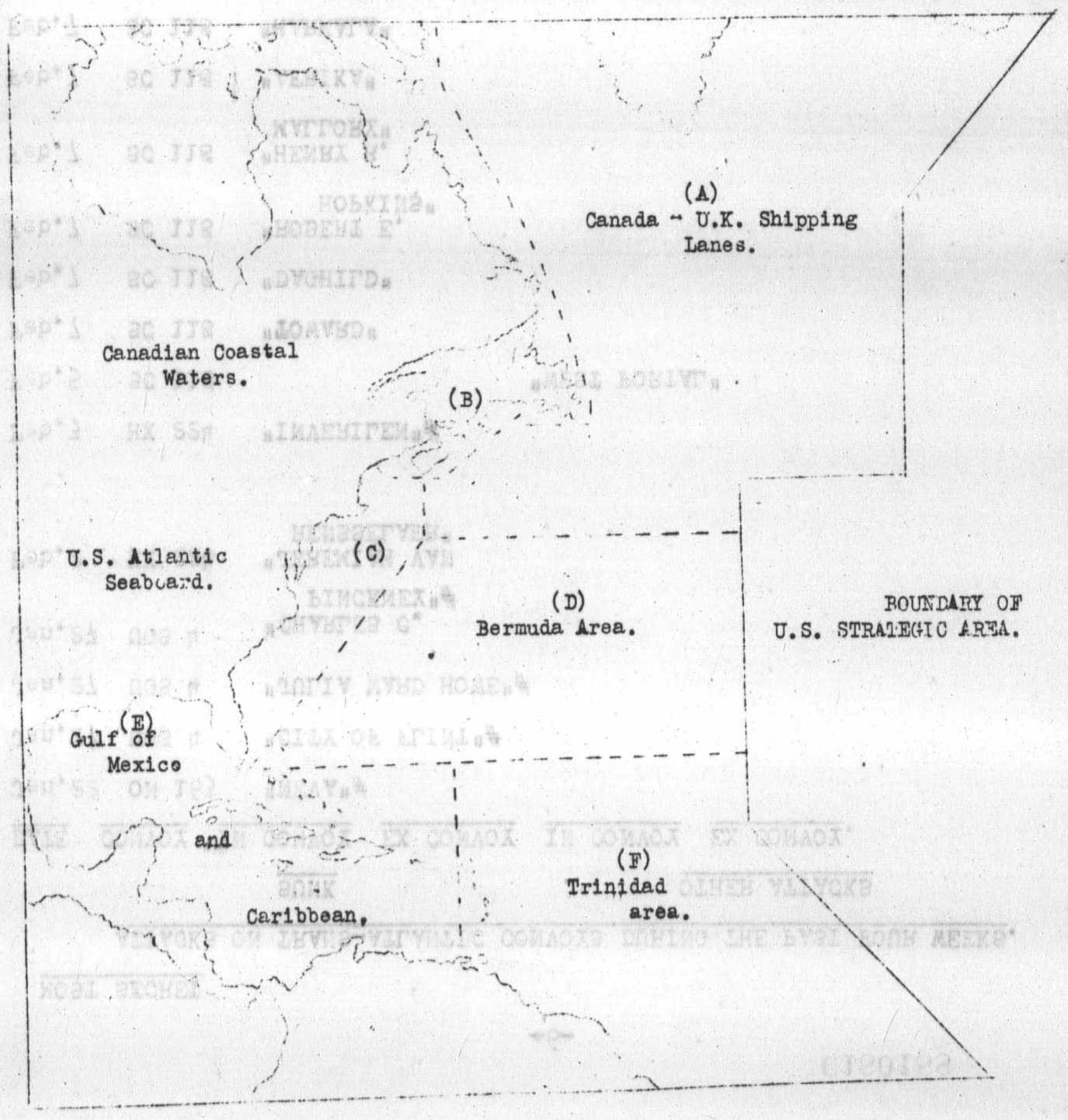
(B) Canadian coastal waters.- The river and Gulf of St. Lawrence and the coastal waters of Canada and Newfoundland.

(C) U.S. Atlantic seaboard south of Canadian waters West of 65°W to 40° N and the rhumb-line joining 40° N 65° W and 25°N 80° W; north of Key West.

(D) Bermuda area. East of (C) between 25° and 40° N and West of 40°W.

(E) Caribbean and Gulf of Mexico South of U.S. south coast to Key West thence south of 25° N to 58°W. West of 58°W.

(F) Trinidad area. East of 58°W between 0° and 25° N West of U.S. strategic area boundary. See sketch map.



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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY.
Jan.22	ON 163	"NEVA"#			
Jan.27	UGS 4	"CITY OF FLINT"#			
Jan.27	UGS 4	"JULIA WARD HOWE"#			
Jan.27	UGS 4	"CHARLES C. PINCKNEY"#			
Feb.2	HX 224	"JEREMIAH VAN RENSSELAER"			
Feb.3	HX 224	"INVERILEN"#			
Feb.5	SC 118			"WEST PORTAL"	
Feb.7	SC 118	"TOWARD"			
Feb.7	SC 118	"DAGHILD"			
Feb.7	SC 118	"ROBERT E. HOPKINS"			
Feb.7	SC 118	"HENRY R. MALLORY"			
Feb.7	SC 118	"AFRIKA"			
Feb.7	SC 118	"HARMALA"			
Feb.7	SC 118	"KALLIOPI"			
Feb.8	SC 118	"NEWTON ASH"#			

# Indicates attack outside U.S.Strategic Area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships convoyed and the numbers attacked in or after leaving trans-atlantic convoys in recent months.

		SHIPS SUNK		OTHER ATTACKS.	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
OCTOBER	641	18	5	1	
NOVEMBER	533	21	2	4	
DECEMBER	604	20	2	6	
JANUARY (1943)	765	16	-	3	
FEBRUARY (to 15th)	312	10	-	2	

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 26th February, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 173

REPORT NO. 111

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 20th February, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 20th February, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	8	0	1	1	3	-2	598	3398	3996
RCNR	1	11	1	3	1	-1	924	4993	5917
RCNVR	38	422	1	29	57	-58	4325	40400	44725
TOTAL	47	433	3	33	61	-61	5847	48791	54638
LESS DIV. STRENGTH							519	3075	3594
TOTAL ACTIVE SERVICE							5328	45716	51044
WRCNS	2	122	0	0	1	-1	59	1402	1461
GRAND TOTAL	49	555	3	33	62	-62	5387	47118	52505

B. CASUALTIES:

Robert William KELLOCK, Ldg. Cook (S), V25374, R.C.N.V.R. -- Discharged "Dead" - 15.2.43.

Patrick Joseph WALSH, Ldg. Cook (S), V12471, R.C.N.V.R. -- Discharged "Dead" - 28.1.43.

Angus GRAY, A.B., 4114, Injured leg - 9.12.42.

Gordon FOSTER, Ordinary Seaman, V32531, Severe Head Injury - 11.1.43.

Frank S. HATCHER, A.B., V13415, and J.F. HICKING, A.B., V14474, Injured in Automobile Accident.

Francis R. LeBLANC, Stoker 11, V6897, Wounded due to enemy action - 13.2.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	TOTAL
Total wounded or Injured to date	8	126	134
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 20th Feb., 1943			Period from 31st Aug., 1939, to 20th Feb., 1943		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	47	433	480	4855	51385	56240
2. Promotions from Lower Deck	61	-61	-	997	-997	-
	108	372	480	5852	50388	56240
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	20	20)	259	3438	3697
--Other Reasons	3	8	11)			
Discharges from Div. Strength	0	3	3	15	945	960
Casualties:						
--Killed on Active Service	0	0	0	87	682	769
--Other Deaths	0	2	2	11	87	98
Total Deductions	3	33	36	372	5152	5524
4. Net Increase	105	339	444	5480	45236	50716
5. Personnel at Beginning of Period	5742	48452	54194	367	3555	3922
6. PRESENT STRENGTH	5847	48791	54638	5847	48791	54638

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	8	1466	1474
Promotions from Lower Deck	52	-52	-
	60	1414	1474
Discharges to date	1	12	13
PRESENT STRENGTH	59	1402	1461

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 20th February, 1943.

AFLOAT

	Officers	Ratings	Total
Aux. Cruisers	84	861	945
Destroyers -			
- Tribals	28	369	397
- Rivers	49	847	896
- Towns	69	956	1025
Corvettes	472	5392	5864
Fairmiles	116	713	829
M.T.B.	2		2
Patrol Boats	175	219	394
Fishermen's Reserve	2	418	420
Harbour Craft	12	418	430
Base Supply Ships	33	162	195
Aux. Tankers	5	83	88
Bangor M/S	367	3688	4055
Other M/S	45	367	412
Examination Vessels	31	330	361
Boom Attendant		18	18
Boom Maintenance	3	92	95
Looplayer	5	36	41
Gate Vessels	1	153	154
Tugs	18	156	174
Diving Boats		14	14
D.E.M.S.		164	164
Serving with R.N.	548	906	1454
TOTAL AFLOAT	2065	16362	18427

ASHORE

(including WRCNS)

	Officers	Ratings	Total
Stadacona	724	6329	7053
Cornwallis	190	3281	3471
Kings	340	234	574
Protector	73	561	634
Captor	51	238	289
Shelburne	31	264	295
Fort Ramsay	25	225	250
Chaleur	25	179	204
Hochelaga	27	104	131
St. Hyacinthe	41	978	1019
	1527	12393	13920
Naden	213	4107	4320
Givenchy	182	1346	1528
Royal Roads	22	166	188
Chatham	54	488	542
Vancouver	110	311	421
	581	6418	6999
	2108	18811	20919

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ASHORE (Continued)

	Officers	Ratings	Total
Brought Forward	2108	18811	20919
Avalon	286	2268	2554
Bytown	518	571	1089
Bytown Div. II	17	376	393
Niobe	66	592	658
R.C.N.V.R. Divisions	343	5784	6127
	1230	9591	10821
Signal Stations		455	
Ports and Shipyards		37	
D.E.M.S. Ashore		67	
		559	559
TOTAL ASHORE	3338	28961	32299

R.C.N.V.R. DIVISIONS AS AT 20th FEBRUARY, 1943.

	OFFICERS		RATINGS
	Active Service	Divisional Strength	Divisional Strength
Halifax	0	23	93
Charlottetown	12	3	22
Saint John	11	5	71
Quebec	13	6	6
Cartier	6	16	94
Montreal	42	134	212
Ottawa	15	38	125
Kingston	8	16	86
Toronto	76	109	299
Hamilton	18	36	351
London	13	21	199
Windsor	12	19	168
Port Arthur	12	0	33
Winnipeg	20	20	271
Regina	10	0	49
Saskatoon	11	16	194
Edmonton	11	6	206
Calgary	12	12	209
Vancouver	21	28	322
Esquimalt	0	11	46
T O T A L	323	519	3056
Bay of Islands Naval Patrol	-	-	19
GRAND TOTAL	323	519	3075

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels.)

1. New Construction of R.C.N. Ships and Vessels, week ended 22nd February.

Launchings : Nil
Commissionings: Ships - H.M.C. Tribal Destroyer "ATHABASCAN"
Local Craft and Auxiliary Vessels - Nil

2. Total R.C.N. Vessels in Commission, 22nd February.

Auxiliary Cruisers	-	2
Destroyers	-	13
Corvettes	-	74 (#)
Minesweepers	-	58
Motor Launches	-	48
Base Supply Ships	-	2
Patrol Craft and Auxiliary Vessels	-	350
T O T A L		547

(#) R.C.N. Corvettes in commission were reduced to 74 when H.M.C.S. "WEYBURN" was sunk off Tangier on 22nd February, 1943.

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 15th Feb.		Week ended 22nd Feb.	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	160	69.6	157	68.0
Working up	19	8.3	18	7.7
Boiler Cleaning or Repairs not over 7 days	7	3.1	7	3.0
Under Refit or Repairs over 7 days	44	19.0	49	21.3
T O T A L	230	100.0	231	100.0

4. Transfer of H.M.C. and H.M. Ships

Transfer of H.M.C. and of H.M. Ships under R.C.N. control between forces are shown below:

SHIP	Class	From	To	Date Effective
H.M.C.S. "SOREL"	Corvette	W.L.E.F.	Training Duties Halifax	1/2/43

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5. Damage to R.C.N. and Allied Ships.

(i) H.M.C.S. "WEYBURN", one of the "TORCH" Corvettes, was sunk in the Atlantic off Tangier at 1100/22 while escorting Convoy M.K.S. 8, North Africa to U.K., from Gibraltar. Three Officers and sixty-eight ratings, survivors from the "WEYBURN", have been landed at Gibraltar. Approximately 40 are hospital cases. Lt.-Cdr. Thomas W. Colby, Sub-Lt. Wilfred Bark and four ratings are believed missing.

This is the second H.M.C. Corvette which has been lost in the North African Campaign. The first, H.M.C.S. "LOUISBURG", was sunk in the Mediterranean on 6th February, with heavy casualties.

Admiralty reported on 18th February that a U-boat was probably sunk 25 miles West of Oran on 13th February in an attack by H.M.C.S. "WOODSTOCK" and two H.M. Trawlers, which lasted for 18 hours.

(ii) The A/S gear of H.M.C. Corvettes "BITTERSWEET", "MAYFLOWER" and "EYEBRIGHT" escorting Convoy HX 226 was broken by heavy ice North East of Newfoundland the night of 14th-15th February.

(iii) H.M.S. "MANITOULIN" (W. Isle Trawler) encountered heavy ice en route to Port Aux Basques and reported on 15th February that her A/S dome had been damaged. She will continue, however, to carry out escort and screening duties until the arrival of a new dome.

(iv) H.M.C. Destroyer "ST. LAURENT" collided with the South West corner of the North Magazine Jetty, Bedford Basin, at 7115/14. Slight damage was sustained to Frames Nos. 143, 144 and 145 on the starboard side.

(v) H.M.S. "RICHMOND", which was to have joined the Western Support Force, has been badly damaged in a collision.

(vi) The Harbour Defence Craft "HDC9" was destroyed by fire at St. John's, Nfld., on 6th February. The fire is believed to have been caused by the ignition of gasoline vapour from the galley stove. An investigation is proceeding.

6. H.M.C. Tribal Class Destroyers

(i) H.M.C. Tribal Destroyer "ATHABASKAN" completed full-power trials in the U.K. and arrived at Scapa for working-up exercises on 16th February.

(ii) H.M.C.S. "IROQUOIS", the first Canadian Tribal Class Destroyer to be commissioned, is completing working-up and will sail for St. John's, Nfld., in Convoy ON 170, which leaves Londonderry about 4th March.

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7. Return of Six R.C.N. Corvettes Lent to C.E.S.F.

Of the six R.C.N. Corvettes on loan to the U.S. Navy which have been operating under the control of the Commander Eastern Sea Frontier, "FREDERICTON" and "OAKVILLE" will be ready to sail from New York on 1st March, "SNOWBERRY" on 10th March and "LETHBRIDGE" and "HALIFAX" on 15th March. "SUDBURY" is undergoing refit at Liverpool, N.S., and it is expected that she will be completed on 22nd February.

On the arrival of these corvettes at Halifax they will be allocated to the Western Local Escort Force. It is planned to employ them on escorting Gulf of St. Lawrence and Coastal Convoys commencing 1st April.

8. Acquisition of Trawlers.

N.S.H.Q. has requested Admiralty to make arrangements for the first large A/S Trawlers to arrive at Halifax by 1st April. These trawlers will be used for the escort of convoys in Canadian coastal waters. Six R.C.N. Corvettes which are to be transferred from the "TORCH" Campaign will then be allocated to Mid-ocean Groups. Further exchanges will be discussed with R.N. representatives at the Washington Convoy Conference commencing 1st March.

9. Alterations to R.C.N. Corvettes.

In view of the expected intensification of U-boat warfare, N.S.H.Q. considers it essential to have forecastles extended, bridges improved and all desirable modifications to armament on R.C.N. Corvettes carried out as soon as possible.

It is hoped that of the 59 R.C.N. Corvettes in which this still remains to be done, 30 will be completed in Canadian East Coast ports during 1943. N.S.H.Q. has asked Admiralty to take as many as possible in hand in the U.K. and is relying on having the original 10 Flower Class Corvettes, which were built in Canada and manned by R.C.N. crews, taken in hand in U.S.A. ports under Lease-Lend.

10. Algerine Minesweepers to be Employed as Escorts.

It has been decided that the 28 Algerine Class Minesweepers building in Canada will be employed on escort duties only. They will not be fitted with Oropesa or L. L. gear.

11. R.C.N. Motor Launches under Free French Command.

The Free French Command has requested that the three R.C.N. Motor Launches, 052, 062 and 063, which have been manned by Free French crews, proceed to St. Pierre after working up exercises on 19th February. These vessels will, however, first be sailed to St. John's, Nfld., and placed under the operational and administrative control of F.O.N.F. The lack of high octane-test gasoline at St. Pierre makes it impossible to base the Motor Launches there at present. They may, however, visit St. Pierre from time to time as arranged by F.O.N.F.

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III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 20th February in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	Week Ended 13th Feb. (Revised)		Week Ended 20th Feb.	
1. Canadian Coastal Convoys					
HS & SH	Halifax/Sydney	-		-	
HF & FH	Halifax/St. John, N.B.	19		21	
HJ & JH	Halifax/St. John's, Nfld.	18		14	
SQ & QS	Sydney/Quebec	-		-	
SB & BS	Sydney/Cornerbrook	-		-	
LC & CL	Sydney/St. John's, Nfld.	-		-	
BW & WB	Sydney/Wabana	-		-	
SPAB	Louisburg/Port aux Basques	4		2	
LN & NL	Quebec/Labrador	-		-	
JN & NJ	St. John's, Nfld./Labrador	-		-	
HON	Halifax/New York (via ONS)	1		-	
HON	Halifax/New York (via ON)	-		3	
WON	St. John's, Nfld./New York (via ONS)	6		-	
WON	St. John's, Nfld./New York (via ON)	1		-	
HALIFAX SPECIAL	Halifax/Cable Ship	1		-	
SPECIAL	Louisburg/Argentia	1		2	
CAPE COD GROUP	Halifax/New York	-		3	
			51		45

2. Atlantic Convoys

W/e 13/2		W/e 20/2			
HX 226	45	HX 227	64		
HHX 226	5	HHX 227	6		
WSC 119	5	HSC 120	16		
SC 120	38	WSC 120	7		
ON 166	51	ONS 167	28		
		ONJ 166	2		
	144		123	144	123

Canadian groups formed the Western Local Escort for all Convoys and Mid-ocean Escort for Convoys: HX 226, SC 119, SC 120, ON 166, HX 227 and ONS 167.

3. Caribbean Convoys					
NG & GN	New York/Guantanamo	27	27	20	20
	T O T A L		222		188

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4. Gross Tonnage of Ships Convoyed

	13th Feb. (Revised)	20th Feb.
Canadian Coastal Convoys	171,227	156,446
Atlantic Convoys	927,529	799,715
Caribbean Convoys	173,056	140,670
T O T A L	1,271,812	1,096,831

5. R.C.N. Ships on Loan - Mediterranean Area

The work of the R.C.N. Corvettes in the Mediterranean during the week included the following:-

(1) H.M.C.S. "LUNENBURG", "WEYBURN", "SUMMERSIDE" and "PORT ARTHUR" participated in the local escort of MKS 8.

(2) H.M.C.S. "NASTURTIUM", "PRESCOTT", "CAMROSE", "ALGOMA" and "KITCHENER" participated in the local escort of KMS 9.

6. General Remarks

A large back-log of shipping has been built up. With a view to liquidating this, it has been agreed to increase the size of convoys to 80 ships. The Western Local Escort Force is to be increased by 2 additional Trawlers or Minesweepers from R.C.N. resources. The Mid-ocean Escort is to be increased by 2 destroyers of Western Support Force

IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

There were no attacks by U-boats in the Nova Scotian - Newfoundland coastal area. Estimates show that there are up to six U-boats still North East of Newfoundland but the main movement has been towards the South East.

2. North Atlantic

After thirteen days of U-boat inactivity extending over the whole Western Atlantic a fresh wave of U-boat attacks broke out on 21st February against Convoys ON 166 and ONS 167 in mid-ocean about 600 to 1100 miles West of Ireland. These convoys were routed by the Commander-in-Chief, Western Approaches, more to the Southward than previous convoys and it was announced on 22nd February that ON 168 would be routed to the Northward again.

The attack on ON 166 began about 750 miles West of Ireland shortly after midnight of 21st February. Reports up to 1300 of the 24th revealed that ten merchant ships in this convoy of 56 ships had been torpedoed and the convoy was by no means out of danger. One U-boat was destroyed in a counter-attack on the night of the 22nd February. U.S.S. "CAMPBELL" has 17 prisoners aboard.

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The attack on Convoy ONS 167 took place outside the U.S. Strategic Zone about 600 miles West of Ireland. Two ships were torpedoed during the night of 21st February but one was still afloat on the 22nd and salvage was considered possible.

3. U.S. Atlantic Coastal Area

An increase in U-boat sightings along the U.S. Atlantic Coast during the last 3 days may foreshadow a renewal of attacks in this area.

4. Caribbean and Trinidad Areas

There has been an increase in U-boat sightings in the Caribbean Area.

5. Southern Mid-Atlantic

The lull in large scale U-boat activity in the South West Atlantic, which extends over a month and a half, continued during the week. Only three ships have been torpedoed and two sunk South of 45° N. since 11th January.

6. Mediterranean Area

In the Mediterranean theatre, H.M.C.S. "WOODSTOCK" joined with two H.M. Trawlers in the probable sinking of a U-boat while H.M.C.S. "WEYBURN", another of the "TORCH" Corvettes, was sunk in the Atlantic off Tangier on 22nd February.

With reference to the sinking of a submarine by H.M.C.S. "REGINA", the following message was sent her by N.C.X.F.: "I have now received report of your successful and spirited action with a U-boat and congratulate you on the efficiency of your ship. Well done." (1010A/15)

7. Attacks on Convoys

ONS 165

No casualties were suffered by Convoy ONS 165 but the escort comprising H.M.S. "FAME", "VISCOUNT", "VERVAIN", "EGLANTINE", "KINGCUP" and "ACANTHUS" attacked two U-boats 540 miles North East of St. John's, Nfld., on 17th February and reported one U-boat was certainly damaged.

ON 166

This convoy was provided with 7 escort vessels, U.S.S. "SPENCER" and "CAMPBELL", four R.C.N. Corvettes and the R.N. Corvette H.M.S. "DIANTHUS". Of these, "CAMPBELL" and "DIANTHUS" were damaged and H.M.C.S. "DAUPHIN" was detached to stand by S.S. "EMPIRE TRADER". This left the convoy almost hopelessly weak.

On 22nd February, the escort was reinforced by the Polish Destroyer "BURZA" and H.M.S. "WITHERINGTON" sailed from St. John's, Nfld., and H.M.S. "SALISBURY" and "MONTGOMERY" were detached from SC 120 and directed to join ON 166 as soon as possible.

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Numerous counter-attacks were carried out by the escort and one U-boat was definitely destroyed, probably by "DIANTHUS" on the night of 22nd February.

This convoy was given intermittent air protection for approximately 1,000 miles from the U.K. It is significant that the sinkings commenced immediately outside the range of aircraft and attacks continued until the convoy came within the range of air protection from Newfoundland, since when no further ships have been sunk. On the other hand, aircraft made two promising attacks, in one case dropping two depth charges on a diving U-boat which resulted in some wreckage and in the other, dropping depth charges 60 feet ahead of a rapidly submerging submarine and causing air bubbles.

ONS 167

The attack on Convoy ONS 167 was made East of the U.S. Strategic Zone about 600 miles West of Ireland. S.S. "ROSARIO" and H.H. "ROGERS" were torpedoed before midnight of the 21st of February. The latter was still afloat the next day and salvage was considered possible. H.M.S. "HARVESTER" and "ACONITE" carried out counter-attacks but no results are known.

Admiralty reported on 15th February that a Fortress Aircraft straddled a U-boat with depth charges or bombs abaft the conning tower 420 miles North West of Ireland. The U-boat lifted bodily, slewed 30° to starboard, lost all forward way and sank. An oil streak two miles long was observed. This attack was East of the U.S. Strategic Zone.

8. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 23rd February, 1943, are as follows:-

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February 1-23	499	20	4.0%

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V. GENERAL

Unified Command of Canadian Atlantic Area

With a view to establishing a Unified Naval Command of the Canadian Atlantic Area, as of 1st March, 1943, the Command of C.O.A.C. is to be extended to include the area now under the control of F.O.N.F. F.O.N.F. is to continue to be responsible under C.O.A.C. for duties which he is at present carrying out and both titles will remain in force for the present. (M.S. 1449Z/20)

Aleutian Area

Enemy defensive preparations on Kiska are reported as being steadily strengthened and extended despite U.S. bombing.

VI. WORKS

A. ANTI-SUBMARINE

Prototype Model A/S Virtual Target has been completed and shipped to Halifax for final trials.

The improved Amplifier-Integrator Indicator Loop Apparatus C-100 for Indicator Loops, has been shipped to Camperdown, N.S., where trials of the newly designed LIZA Gear Receiver will be carried out before the Unit is installed in the A/S School, Halifax, for instructional purposes.

Action is being taken to procure the land required for the Indicator Loop Station at Saint John, N.B.; plans for the necessary buildings are now complete.

B. BOOM DEFENCE

Considerable difficulty has been experienced at the harbours of Halifax and Bay Bulls, by reason of the amount of ice which has formed.

A new Net Section has been completed and launched ready for installation at the Prince Rupert Base. In connection with Booms, work was carried out on the Tripods at Metlakatla Passage.

At Wabana, Nfld., some repair work has been carried out on the East Gate at the Scotia Pier end of the A/T Nets.

C. DEGAUSSING

Specifications for Frigates, Revised Corvettes and the last 22 vessels of the Algerine Class Minesweepers are being altered to include the new Motor Generator Units.

A list of degaussing equipment, to be fitted in Auxiliary Tankers, has been made up and forwarded to Canadian General Electric, on the request of that Company.

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Trial orders for synthetic cable are to be placed with various cable manufacturers, each manufacturer to make sufficient cable for one Frigate.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 60.

Gun mounting was completed on 5 ships and 3 others are in hand for arming.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,224,228.84.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington (3 copies)
Sec. C.S.C.

Naval Report Only

Secretary, Defence Council (12 copies) Copies Nos. 14-25
C. N. S. (2 copies) Copies Nos. 26 and 27
N. M. C. S. Copy No. 28
C. N. A. Copy No. 29
N. I. D. 4 (2 copies) Copies Nos. 30 and 31
Naval Historian Copy No. 32
Sec. N.B. (for Naval Board Members) Copy No. 33
D. Sec. Staff (for Staff Directors) Copy No. 34
D. of P. Copy No. 35

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C180202

MERCHANT SHIPPING CASUALTIES

SECRET Report number 8 for week ending February 22,1943. NS 1048-47-5

(A) SHIPPING ATTACKED , DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area & North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
45A	"WILLIAM A. GRAHAM" (Am. cargo)	7177	Feb.19	31° 13'N 80° 58'W	Attacked.
47A	"N.T. NIELSEN ALONSO" (Nor. tanker)	9348	Feb.22	48° 00'N 31° 24'W	Torpedoed.
48A	"EMPIRE TRADER" (Br. cargo)	9990	Feb.22	48° 32'N 29° 50'W	Torpedoed-unable to steer, request tug.
49A	"CHATTANOOGA CITY" (Am. cargo)	5686	Feb.22	46° 53'N 34° 32'W	Torpedoed.

(A) FURTHER INFORMATION REGARDING PREVIOUS REPORTS

41A	"WEST PORTAL" (Am. cargo)	5376	See report #6 Feb.8,1943.	Reported torpedoed. Now sunk.
42A	"DORCHESTER" (Am. cargo)	5649	See report #6 Feb.8,1943.	Reported torpedoed. Now sunk.

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

47B	"SAMUEL L. FULLER" (Am. tanker)	6950	Feb.16	40° 05'N 69° 50'W	Rudder disabled cannot manoeuvre.
48B	"EMPIRE NORSE" (Br. tanker)	8120	Feb.16	52° 40'N 39° 00'W	Rudder disabled, requires 2 tugs.
49B	"PAN AMERICAN" (Can. schooner)	96	Feb.18	25° 54'N 77° 25'W	Ran ashore-total wreck.
50B	"HUEMUL" (Ch. cargo)	2854	Feb.18		Ran aground near Cape St. George, Florida.
51B	"SEATRAIN NEW ORLEANS" (Am. cargo)	7633	Feb.19	24° 56'N 80° 25'W	Ran aground on Conch Reef. Tug standing by.

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(B) FURTHER INFORMATION REGARDING PREVIOUS REPORTS. C180203

32B	"RECIFELOIDE" (Braz.cargo)	5335	See report #7 Feb.15,1943.	Reported out of fuel and drfiting. Arrived New York, Feb.18,1943.
33B	"GUJARAT" (Br. cargo)	4148	See report #7 Feb.15,1943.	Reported in distress. Arrived St. John's, Nfld. Feb.16,1943.
34B	"COPTIC" (Br. cargo)	10629	See report #7 Feb.15,1943.	Reported in collision with "LUCELLUM". Arrived New York, Feb.10,1943.
35B	"LUCELLUM" (Br. tanker)	9493	See report #7 Feb.15,1943.	Reported in collision with "COPTIC". Arrived New York, Feb.11,1943.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.
(North of Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	805 ships	4,295,800 tons.
1943				
JANUARY	6 cargo	3 tankers	TOTAL 9 ships	53,967 tons.
FEBRUARY (to 22nd)	10	1	11	69,252
TOTAL	16 cargo	4 tankers	TOTAL 20 ships	123,219 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,159,018 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY (to 22nd)	9	1	10	61,295
TOTAL	14 cargo	3 tankers	TOTAL 17 ships	89,684 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area north of the equator)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons
FEBRUARY (to 22nd)	5	0	5	15,163
TOTAL	10 cargo	2 tankers	TOTAL 12 ships	43,552 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area north of 0°)
(Subject to revision)

WEEK ENDING					
Feb. 1st.	1 cargo	0 tankers	TOTAL 1 ships	5,106 tons.
Feb. 8th.	10	1	11	69,252
Feb.15th.	0	0	0	00,000
Feb.22nd.	0	0	0	00,000

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AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada UK Shipping Lanes.	11	0	11	5	0	5
US Atlantic Seaboard.	0	0	0	0	2	2
Caribbean	0	0	0	0	0	0
Trinidad Area.	0	1	1	0	0	0
TOTAL	11	1	12	5	2	7

NOTE: All information contained in this report is secretm for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests,

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C180205

MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Jan.27	UGS 4	"CITY OF FLINT"#			
Jan.27	UGS 4	"JULIA WARD HOWE"#			
Jan.27	UGS 4	"CHARLES C. PINCKNEY"#			
Feb.2	HX 224	"JEREMIAH VAN RENSSELAER"			
Feb,3	HX 224	"INVERILEN"#			
Feb,5	SC 118	"WEST PORTAL"			
Feb,7	SC 118	"TOWARD"			
Feb,7	SC 118	"DAGHILD"			
Feb.7	SC 118	"ROBERT E. HOPKINS"			
Feb.7	SC 118	"HENRY R. MALLORY"			
Feb.7	SC 118	"AFRIKA"			
Feb.7	SC 118	"HARMALA"			
Feb.8	SC 118	"NEWTON ASH"#			
Feb,21	ON 167			"ROSARIO" #	
Feb.21	ON 167			"H.H. ROGERS" #	
Feb.22	ON 166			"N.T.NIELSEN ALONSO"	
Feb.22	ON 166			"EMPIRE TRADER"	
Feb.22	ON 166			"CHATTANOOGA"	

#Indicates attackoutside U.S. Strategic area.

TRANSATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
October	641	18	5	1	
November	533	21	2	4	
December	604	20	2	6	
January	765	16	-	3	
February (to 22nd)	499	12	-	6	

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MOST SECRET

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N.S. M.S. 1000-5-19
CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 5th March, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 174

REPORT NO. 112

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 27th February, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 27th February, 1943		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	5	0	0	1	0	2	603	3399	4002
RCNR	1	10	1	3	0	0	924	5000	5924
RCNVR	55	396	0	24	57	-59	4437	40713	45150
TOTAL	61	406	1	28	57	-57	5964	49112	55076
LESS DIV. STRENGTH							563	2900	3463
TOTAL ACTIVE SERVICE							5401	46212	51613
WRCNS	0	52	0	2	0	0	59	1452	1511
GRAND TOTAL	61	458	1	30	57	-57	5460	47664	53124

B. CASUALTIES:

Wm. James HEFFERMAN, Able Smn., V18222, R.C.N.V.R. -- Accidentally killed -- 26.1.43.

Lloyd Kenneth MILLER, Ord. Smn., V353, R.C.N.V.R. -- Missing, presumed drowned -- 20.2.43.

George Horace TIDY, Temporary Lieut., R.C.N.V.R., previously reported missing Ex H.M.S. "EXETER" is a prisoner of war in Japanese hands.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	TOTAL
Total wounded or Injured to date	8	126	134
Prisoners of War	3	2	5

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 27th Feb., 1943			Period from 31st Aug., 1939, to 27th Feb., 1943		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	61	406	467	4916	51791	56707
2. Promotions from Lower Deck	57	-57	-	1054	-1054	-
	118	349	467	5970	50737	56707
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	15	15)	260	3461	3721
--Other Reasons	1	8	9)			
Discharges from Div. Strength	0	3	3	15	948	963
Casualties:						
--Killed on Active Service	0	2	2	87	684	771
--Other Deaths	0	0	0	11	87	98
Total Deductions	1	28	29	373	5180	5553
4. Net Increase	117	321	438	5597	45557	51154
5. Personnel at Beginning of Period	5847	48791	54638	367	3555	3922
6. PRESENT STRENGTH	5964	49112	55076	5964	49112	55076

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	8	1518	1526
Promotions from Lower Deck	52	-52	-
	60	1466	1526
Discharges to date	1	14	15
PRESENT STRENGTH	59	1452	1511

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 2nd March, 1943.

AFLOAT

	Officers	Ratings	Total
Aux. Cruisers	82	911	993
Destroyers -			
- Tribals	27	387	414
- Rivers	56	880	936
- Towns	72	959	1031
Corvettes	473	5401	5874
Fairmiles	121	710	831
M.T.B.	2		2
Patrol Boats	182	218	400
Fishermen's Reserve	1	417	418
Harbour Craft	12	407	419
Base Supply Ships	34	164	198
Aux. Tankers	5	84	89
Bangor M/S	383	3754	4137
Other M/S	48	371	419
Examination Vessels	31	330	361
Boom Attendant		18	18
Boom Maintenance	3	95	98
Looplayer	5	36	41
Gate Vessels	2	154	156
Tugs	17	155	172
Diving Boats		14	14
D.E.M.S.		159	159
Serving with R.N.	546	937	1483
TOTAL AFLOAT	2102	16561	18663

ASHORE
(including WRCNS)

	Officers	Ratings	Total
Stadacona	710	6461	7171
Cornwallis	203	3193	3396
Kings	349	232	581
Protector	71	726	797
Captor	51	237	288
Shelburne	30	278	308
Fort Ramsay	24	221	245
Chaleur	22	175	197
Hochelaga	28	102	130
St. Hyacinthe	39	979	1018
	1527	12604	14131
Naden	226	3981	4207
Givenchy	179	1422	1601
Royal Roads	22	157	179
Chatham	55	479	534
Vancouver	110	331	441
	592	6370	6962
	2119	18974	21093

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ASHORE (Continued)

	Officers	Ratings	Total
Brought Forward	2119	18974	21093
Avalon	285	2291	2576
Bytown	517	602	1119
Bytown Div. II	18	357	375
Niobe	74	586	660
R.C.N.V.R. Divisions	339	5786	6125
	1233	9622	10855
Signal Stations		461	
Ports and Shipyards		37	
D.E.M.S. Ashore		68	
	___	566	566
TOTAL ASHORE	3352	29162	32514

R.C.N.V.R. DIVISIONS AS AT 27th FEBRUARY, 1943.

	OFFICERS		RATINGS
	Active Service	Divisional Strength	Divisional Strength
Halifax	0	23	77
Charlottetown	12	2	44
St. John	11	5	16
Quebec	13	6	6
Cartier	6	16	67
Montreal	44	137	221
Ottawa	15	41	136
Kingston	8	16	91
Toronto	80	114	312
Hamilton	16	34	298
London	10	21	213
Windsor	12	19	114
Port Arthur	11	1	63
Winnipeg	21	20	297
Regina	10	0	46
Saskatoon	12	22	164
Edmonton	11	10	175
Calgary	12	14	189
Vancouver	19	51	310
Esquimalt	0	11	42
T O T A L	323	563	2881
Bay of Islands Naval Patrol	-	-	19
GRAND TOTAL	323	563	2900

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels.)

1. New Construction of R.C.N. Ships and Vessels, week ended 1st March.

Launchings : Ships - Nil
Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 1

2. Total R.C.N. Vessels in Commission, 1st March.

Auxiliary Cruisers	-	2
Destroyers	-	13
Corvettes	-	74
Minesweepers	-	58
Motor Launches	-	48
Base Supply Ships	-	2
Patrol Craft and Auxiliary Vessels	-	351
T O T A L		548

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 22nd Feb.		Week ended 1st March	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	157	68.0	165	71.7
Working up	18	7.7	15	6.5
Boiler Cleaning or Repairs not over 7 days	7	3.0	2	0.9
Under Refit or Repairs over 7 days	49	21.3	48	20.9
T O T A L	231	100.0	230	100.0

4. Transfer of H.M.C. and H.M. Ships

Transfer of H.M.C. and H.M. Ships under R.C.N. control between forces are shown below:

SHIPS	Class	From	To	Date Effective
H.M.S. "BAFFIN"	Western Isles Trawler (On loan to RCN)	New Construction	HLDF	24/2/43
HMCS "ML076"	Motor Launch	CESF	HLDF	28/2/43
H.M.C.S. "HUSKY"	A/S Yacht	HLDF	Cornwallis (For training duties)	1/3/43

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H.M.C. Ships "LUNENBURG", "WOODSTOCK", "ALBERNI", "PORT ARTHUR" and "SUMMERSIDE" have returned to Londonderry from the Mediterranean.

5. H.M.C.S. "ASSINIBOINE" Slightly Damaged.

H.M.C.S. "ASSINIBOINE" en route to the U.K. to join Escort Group C3 encountered heavy weather 28th February and suffered damage to her after Magazine. She was compelled to reduce speed and alter course which was originally set so she might pick up any additional survivors from the attack on Convoy ON 166 and assist in the location of SS "EMPIRE TRADER" and "HH ROGERS" ex ON 166 and ONS 167 which were torpedoed.

At 2320Z/2 "ASSINIBOINE" reported that she had been in action with a submarine and had suffered considerable damage to starboard side and propeller but had sunk the submarine.

Motor Minesweepers in Collision.

Motor Minesweepers "108" and "104" were in collision while coming off the slip at Lunenburg on 24th February.

6. Loan of R.N. Destroyers to Canada.

In response to N.S.H.Q.'s request for the loan of 14 R.N. Destroyers Admiralty announced on 23rd February that two H.M. Destroyers "GRIFFIN" and "DECOY", due to complete refit on the 12th and 31st of March respectively, have been offered to Canada. Moreover, two additional Destroyers completing refit in May have been offered and two others may also be made available in 1943. Failing this, an investigation will be made into the question of transferring American Destroyer Escorts now building in the United States for the Royal Navy to Canada.

R.C.N. Tribal Class Destroyers.

The four Canadian Tribal Class Destroyers, built or building in the U.K. will join the Home Fleet after working up in the U.K. "IROQUOIS" and "ATHABASKAN" have been commissioned, and "HURON" and "HAIDA" are estimated to be completed in June and July respectively, 1943. H.M.C.S. "IROQUOIS" sailed for Halifax on 28th February for inspection by ship builders. After a visit to St. John's, Newfoundland, she will return to the Home Fleet. She is expected to arrive at Halifax on the 6th of March. The names "NOOTKA" and "MICMAC" have been approved for H.M.C. Tribal Destroyers building.

R.C.N. New Construction Ships to Work Up at Bermuda.

Owing to the advantages of weather, A/S conditions and docking facilities, N.S.H.Q. proposes to have new construction single screw Corvettes, Frigates and Algerine Minesweepers carry out working up exercises and group training at Bermuda. The working up of ships after refit and the group training of ships, other than New Construction ships, will continue to be carried out by Captain (D) Halifax, Captain (D) Newfoundland and Captain (D) Esquimalt.

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III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 27th February in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

	Short Title	Terminal Ports	Week Ended 20th Feb. (Revised)	Week Ended 27th Feb.
1.	Canadian Coastal Convoys			
	HF & FH	Halifax/St. John, N.B.	21	23
	HJ & JH	Halifax/St. John's, Nfld.	14	15
	SPAB	Louisburg/Port aux Basques	2	-
	HON	Halifax/New York (via ON)	3	1
	SPECIAL	Louisburg/Argentia	2	2
	NEW YORK GROUP	Halifax/New York	-	8
	CAPE COD GROUP	Halifax/New York	3	-
			45	49

2. Atlantic Convoys

W/e 20/2		W/e 27/2			
HX 227	64	SC 121	52		
HHX 227	6	HSC 121	15		
HSC 120	16	ON 168	52		
WSC 120	7	ONS 169	38		
ONS 167	28	ONSJ 169	7		
ONJ 166	2				
	123		164	123	164

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: HX 227, SC 120, ONS 167, and ONS 169.

NOTE: SC 121 not yet designated.

3.	Caribbean Convoys				
	NG & GN	New York/Guantanamo	20	28	
			20		28
		T O T A L	188		241

4. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	156,446	166,274
Atlantic Convoys	799,715	906,997
Caribbean Convoys	140,670	182,623
T O T A L	1,096,831	1,255,894

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5. R.C.N. Ships on Loan - Mediterranean Area

The work of the R.C.N. Corvettes in the Mediterranean during the week included the following:

(1) H.M.C.S. "WOODSTOCK" participated in the local escort of MKS 8.

(2) H.M.C.S. "CAMROSE", "KITCHENER", and "PRESCOTT" participated in the local escort of ET Convoy.

H.M. Ships "LUNENBURG", "WOODSTOCK", "ALBERNI", "PORT ARTHUR" and "SUMMERSIDE" have returned from Mediterranean to Londonderry. It is intended that they shall act as escorts for U.K. - Mediterranean convoys for a further period.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

There were no attacks in the Nova Scotia - Newfoundland Area.

2. North Atlantic

H.M.C.S. "ASSINIBOINE" has reported sinking a submarine in Mid-Atlantic, herself sustaining damage which appeared serious. H.M.S. "DIANELLA" and "ADHERENT" have been ordered to proceed to her assistance. "ASSINIBOINE" has been congratulated by C. in C. W.A.

During the past week the U-boats again had their greatest success in the North West Atlantic. The attack on Convoy ON 166 reported in last week's review of Operations, extended over to the beginning of this week, increasing casualties in this convoy to 13 merchant ships, 10 of which are confirmed sunk. One of remaining 3 has been salvaged. However, 3 U-boats attacking this convoy were almost certainly destroyed. H.M.S. "DIANTHUS" and U.S.S. "CAMPBELL" each sank one and a British aircraft accounted for the third. Several other attacks were promising. In addition, H.M.S. "HARVESTER", escorting ON 167, carried out an attack which is thought to have been successful.

One ship, S.S. "WADE HAMPTON", was torpedoed in HX 227.

Convoy UC 1 (U.K.-Curacao direct) was attacked in the vicinity of the Azores and 5 ships were torpedoed on February 23rd. Two of the ships were able to continue with the convoy. The escort attacked six U-boats but no details are known.

The "ROXBURG CASTLE", sailing independently from U.K. to Buenos Aires, was sunk by torpedo off the Azores on February 22nd.

3. U.S. Atlantic Coastal Area

The increase in the presence of U-boats off U.S. Atlantic Coast has remained the same as reported last week. Renewal of attacks is expected.

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4. Caribbean and Trinidad Area

There were six sightings reported in these areas and three attacks by U-boats with undetermined results. A U.S. patrol craft attacked a U-boat east of Cuba on 23rd February but no details are known.

5. Southern Mid-Atlantic

The lull of the past six weeks continued in this area.

6. Mediterranean Area

As reported above, five of the R.C.N. corvettes on escort duty in the Mediterranean have returned to Londonderry.

7. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 2nd March, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%

V. GENERAL

1. Washington Convoy Conference

This conference began on March 1st, the Royal Navy, Royal Canadian Navy and United States Navy being fully represented. No report is as yet available.

2. Anti-submarine Vessel Allotted N.O.i/c Quebec

It was decided at the Conference on the defence of the River and Gulf of St. Lawrence at N.S.H.Q. 22nd March to allot the former Motor A/S Vessel "S 09" to the N.O.i/c Quebec for patrol only above the Saguenay River.

3. Aleutian Area

There is nothing of significance to report in regard to this area.

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VI. WORKS

A. ANTI-SUBMARINE

A survey has been made recently of the Cable Storage possibilities at Mulgrave, Saint John, N.B., and Halifax, N.S. The question of two cable storage tanks in the French Cable Building which are now occupied by the French Cable Co. and Department of Transport, was investigated, and arrangements made to have these tanks vacated at an early date.

Treasury Board approval having been obtained for the construction of an additional 29 Frigates, immediate steps were taken to order the necessary asdic equipment for fitting in these ships.

A search is at present under way to locate a vessel which can be suitably adapted for indicator loop maintenance.

B. BOOM DEFENCE

The laying of the A/T Baffles across the entrance to the Drydock at Saint John, N.B. has been practically completed.

It is reported from Bay Bulls, Nfld., that a very close survey of the A/T Nets, from the surface, has disclosed the Nets to be in first class condition.

At Wabana, both gates at the Scotia Pier were carried away during a heavy storm. Partial repairs have been completed. At this Base a Boom Defence Vessel, crew reinforced with Militia and Police, proceeded to Kelly's Island to rescue three men who had been marooned there for four days.

C. DEGAUSSING

On the request of C.O.A.C., the Superintendent of Degaussing, Bath, England, was notified that no recommendations based on Range Records received from Canada should be signalled to Canadian Warships.

An amendment to D.G. specifications for Frigates has been issued so that Motor Generator Sets will be protected by an expanding metal guard and pipe guard rail.

As a result of the coil design conference at Halifax, the "S" coils fitted in 105' Minesweepers will be known hence-forth as "L" coils.

D. TECHNICAL DIVISION

In collaboration with the other Services, an investigation is under way to determine suitable means for flame-proofing wood, clothing, fabrics, etc., as a means of reducing the fire hazard in ships.

In furtherance of Admiralty's investigation of world-wide ships' camouflage designs and colours, the R.C.N. is to cooperate in the providing of sun ratio data pertaining to Canadian Coastal waters. The N.R.C. will construct several sun ratio meters similar to the Admiralty pattern.

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In connection with LL Gear in H.M.C.S. "SWIFT CURRENT", the battery room layout was revised, and as a result pulse fields reduced to a satisfactory minimum. Cable reels were modified to accommodate additional 75 yards of buoyant cable.

One hundred and eighty-two inventions have been examined since February 1st. Of these one was considered to have sufficient merit to warrant being sent to Admiralty.

Tests are being carried out with the following:

(1) Luminescent Materials
(2) Rubber Substitute for Knee Boots
(3) Esso Smoke Generator
(4) Substitutes for an insulating varnish and for a packing compound.

E. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 62.

Gun mounting was completed on 3 ships at Esquimalt and 1 at St. John, N.B.; one other ship is in hand for arming at Esquimalt.

A supply of 4" Mk.XIX HA/LA guns has been received and arrangements have been made to send these to Esquimalt and Montreal for mounting on new construction vessels completing at these ports.

F. NAVAL ORDNANCE

An order has been placed for sufficient Tachymetric Sights for Close Range Anti-Aircraft guns. It is understood that these will be manufactured in Canada.

Twenty-five Hedgehog mountings with Control Gear have been received. The mounting of these will proceed as ships are prepared to take them.

An order is being placed for Seventy Single Oerlikon guns and mountings which complete the requirements for this type of Anti-Aircraft weapon to be mounted in ships in commission, and to be constructed according to the present building programme.

As a result of enemy action, nine Hedgehog mountings and 4" Mk. V Guns were lost in transit from United Kingdom. Arrangements have been made for the replacement of this equipment.

An order is being placed in the United States of America for approximately 500,000 rounds of High Explosive Oerlikon ammunition to meet immediate requirements for ships in commission.

Total orders for Armament Stores placed during the month of February including Gyro Sights, Hedgehog Projectiles, Oerlikon Ammunition, and Oerlikon Single guns and mountings total $3,112,400.00.

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G. STORES

The equipment purchased by the Naval Stores amounted this week to $1,176,534.70.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C.J.S., Washington (3 copies)
Sec. C.S.C.

Naval Report only

Secretary, Defence Council (12 copies) Copies Nos. 14-25
C. N. S. (2 copies) Copies Nos. 26 and 27
N. I. D. 4 (2 copies) Copies Nos. 28 and 29
Naval Historian Copy No. 30
Sec. N.B. (for Naval Board Members) Copy No. 31
D. Sec. Staff (for Staff Directors) Copy No. 32
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MERCHANT SHIPPING CASUALTIES

C180218

SECRET Report number 9 for week ending March 1,1943. NS 1048-47-5.

(A) SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area & North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
50A	"STIGSTAD" (Nor tanker)	5964	Feb. 21	49° 26'N 29° 08'W	Torpedoed and sunk.
51A	"EMPIRE REDSHANK" (Br. cargo)	6615	Feb.22	46° 25'N 36° 30'W	Torpedoed and sunk.
52A	"EXPOSITOR" (Am. cargo)	4959	Feb.22	46° 00'N 37° 20'W	Torpedoed and sunk.
53A	"WINKLER" (Pa. tanker)	6907	Feb.23	46° 48'N 36° 18'W	Torpedoed and sunk.
54A	"EULIMA" (Br. cargo)	6207	Feb.23	46° 48'N 36° 18'W	Torpedoed and sunk.
55A	"HASTINGS" (Am. cargo)	5401	Feb.23	45° 35'N 37° 40'W	Torpedoed and sunk.
56A	"GLITTRE" (Nor tanker)	6409	Feb.23	46° 40'N 37° 42'W	Torpedoed and sunk.
57A	"INGRIA" (Nor tanker)	4391	Feb.24	45° 12'N 39° 17'W	Torpedoed and sunk.
58A	"MANCHESTER MERCHANT" (Br. cargo)	7264	Feb.25	45° 10'N 43° 23'W	Torpedoed and sunk.
59A	"WADE HAMPTON" (Am. cargo)	7176	Feb.28	59° 46'N 34° 43'W	Torpedoed.

(A) FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

45A	"WILLIAM A. GRAHAM" (Am. cargo)	7177	See report #8 Feb.22/43.	Attacked. Now reported arrived New York, Feb.22/43.
47A	"N.T. NIELSEN ALONSO" (Nor tanker)	9348	See report #8 Feb.22/43.	Reported torpedoed. Now sunk.
48A	"EMPIRE TRADER" (Br. cargo)	9990	See report #8 Feb.22/43.	Reported torpedoed. Now sunk.
49A	"CHATTANOOGA CITY" (Am. cargo)	5686	See report #8 Feb.22/43.	Reported torpedoed. Now sunk.

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and North of the Equator)

52B	"GYDA" (Pa. cargo)	1695	Feb. 24	44° 50'N 42° 10'W	In collision with "FORT THOMPSON".
53B	"FORT THOMPSON" (Br. cargo)	7100	Feb. 24	44° 50'N 42° 10'W	In collision with "GYDA".

(B) FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

47B	"SAMUEL L. FULLER" (Am. tanker)	6950	See report #8 Feb. 22/43.	Rudder disabled. Now arrived Halifax Feb. 21, 1943.
48B	"EMPIRE NORSE" (Br. tanker)	8120	See report #8 Feb. 22/43.	Rudder disabled. Now arrived St. John's, Nfld. Feb. 28, 1943.
50B	"HUEMUL" (Ch. cargo)	2854	See report #8 Feb. 22/43.	Ran aground, Now arrived Key West, Feb. 19, 1943.
51B	"SEATRAIN NEW ORLEANS" (Am. cargo)	7633	See report #8 Feb. 22/43.	Ran aground, Now arrived Key West, Feb. 21, 1943.
28B	"BERWINDALE" (Am. cargo)	4411	See report #6 Feb. 8/43.	Damaged in collision. Now reported as sailed from Balboa 13/2 for Freemantle.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION,
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons
1943				
JANUARY	6 cargo	3 tankers	TOTAL 9 ships	53,967 tons.
FEBRUARY	18	6	24	155,279
TOTAL	24 cargo	9 tankers	TOTAL 33 ships	209,246 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,159,018 tons.
1943				
JANUARY	1 cargo	0 tankers	TOTAL 1 ships	14,547 tons.
FEBRUARY	17	6	23	147,322
TOTAL	18 cargo	6 tankers	TOTAL 24 ships	161,869 tons.

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SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942

TOTAL	53 cargo	1 tanker	TOTAL	54 ships	143,263 tons.

1943

JANUARY	5 cargo	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
TOTAL	10 cargo	2 tankers	TOTAL	12 ships	43,552 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area north of 0°)
(Subject to revision)

WEEK ENDING					
Feb. 8th.	10 cargo	1 tankers	TOTAL	11 ships	69,252 tons.
Feb. 15th.	0	0		0	00,000
Feb. 22nd.	4	2		6	42,292
Mar. 1st.	4	3		7	43,735

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE MONTH OF FEBRUARY.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	23	-	23	1	-	1
US Atlantic Seaboard.	-	-	-	-	1	1
Trinidad Area.	-	1	1	-	-	-
TOTAL	23	1	24	1	1	2

NOTE:
All information contained in this report is secret for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK.		OTHER ATTACKS.	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Feb.2	HX 224	"JEREMIAH VAN RENSSELAER"			
Feb,3	HX 224	"INVERILEN"#			
Feb,5	SC 118	"WEST PORTAL"			
Feb,7	SC 118	"TOWARD"			
Feb,7	SC 118	"DAGHILD"			
Feb,7	SC 118	"ROBERT E, HOPKINS"			
Feb,7	SC 118	"HENRY R. MALLORY"			
Feb,7	SC 118	"AFRIKA"			
Feb,7	SC 118	"HARMALA"			
Feb,8	SC 118	"NEWTON ASH"#			
Feb,21	ON 167	"ROSARIO"#			
Feb,21	ON 167	"H.H. ROGERS"#			
Feb,21	ON 166	"STIGSTAD"			
Feb.22	ON 166	"N.T. NIELSEN ALONSO"			
Feb.22	ON 166	"EMPIRE TRADER"			
Feb.22	ON 166	"CHATANOOGA CITY"			
Feb,22	ON 166	"EXPOSITOR"			
Feb.22	ON 166	"EMPIRE REDSHANK"			
Feb,23	ON 166	"WINKLER"			
Feb,23	ON 166	"EULIMA"			
Feb,23	ON 166	"HASTINGS"			
Feb,23	ON 166	"GLITTRE"			
Feb,23	UC 1			"ATHELPRINCESS"#	
Feb,24	ON 166	"INGRIA"			
Feb.25	ON 166	"MANCHESTER MERCHANT"			

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS. (Continued)

		SUNK.		OTHER ATTACKS.	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Feb.25	UC 1	"EMPIRE NORSEMEN"#			
Feb.25	UC 1	"ESSO BATON ROUGE"#			
Feb.25	UC 1			"BRITISH FORTITUDE"#	
				"MURENA"#	
Feb.28	HX 227			"WADE HAMPTON"	

# Indicates attacks outside U.S. Strategic Area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK.		OTHER ATTACKS.	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
OCTOBER	641	18	5	1	
NOVEMBER	533	21	2	4	
DECEMBER	604	20	2	6	
JANUARY	397	3	-	1	
FEBRUARY	639	22	-	2	

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Secretary,
Chiefs of Staff Committee.

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N.S. M.S. 1000-5-19
CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 12th March, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 175

REPORT NO. 113

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

Week Ended 6th March, 1943.

	Enlistments		Deductions from Strength		Promotions, Transfers		Total Strength as of 6th March, 1943.		
	Officers	Ratings	Officers	Ratings	Officers	Ratings	Officers	Ratings	Total
RCN	6	0	1	0	3	-4	611	3395	4006
RCNR	1	17	2	4	18	-18	941	4995	5936
RCNVR	11	422	2	33	18	-17	4465	41086	45551
TOTAL	18	439	5	37	39	-39	6017	49476	55493
LESS DIV. STRENGTH							572	2992	3564
TOTAL ACTIVE SERVICE							5445	46484	51929
WRCNS	0	69	0	1	0	0	59	1520	1579
GRAND TOTAL	18	508	5	38	39	-39	5504	48004	53508

B. CASUALTIES:

2 officers, 3 ratings--missing, presumed killed in action; 1 rating died as result of injuries; 6 ratings injured--H.M.C.S. "WEYBURN"--22.2.43.

2 officers, 6 ratings--wounded in action--H.M.C.S. "LOUISBURG"--6.2.43.

Robert OLIVER, E.R.A. 3/cl., V30100, RCNVR--Missing, believed lost at sea--26.2.43.

Barney W. BOYD, Ord. Smn., V34758, RCNVR--Died of natural causes--4.3.43.

Donald MUSSELMAN, Ord. Smn., V17810, RCNVR--Injured, fractured collar bone--2.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	TOTAL
Total wounded or injured	10	140	150
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

	Week Ended 6th March, 1943.			Period from 31st Aug., 1939, to 6th March, 1943		
	Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1. Enlistments	18	439	457	4948	51930	56878
2. Promotions from Lower Deck	39	-39	-	1071	-1071	-
	57	400	457	6019	50859	56878
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	12	12	55	1698	1753
# --Desertion	-	0	0	-	140	140
--Other Reasons	3	13	16	200	1386	1586
Discharges from Div. Str.	0	4	4	15	934	949
Casualties:						
✗ --Killed on Active Service	1	6	7	88	692	780
--Other Deaths	0	1	1	11	88	99
Total Deductions	4	36	40	369	4938	5307
4. Net Increase	53	364	417	5650	45921	51571
5. Personnel at Beginning of Period	5964	49112	55076	367	3555	3922
6. PRESENT STRENGTH	6017	49476	55493	6017	49476	55493

\# 1 RCNVR rating deserted, and 1 recovered from desertion.

✗ Lieut. (S.B.) George H. TIDY, RCNVR (Temp.) -- previously reported missing, now prisoner of war.

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	8	1587	1595
Promotions from Lower Deck	52	-52	-
	60	1535	1595
Discharges to date	1	15	16
PRESENT STRENGTH	59	1520	1579

It may be noticed that there are some minor discrepancies between totals shown in last week's and this week's reports. The figures shown in this report are accurate.

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D. DISTRIBUTION OF CANADIAN NAVAL PERSONNEL, as of 9th March, 1943.

AFLOAT

	Officers	Ratings	Total
Aux. Cruisers	85	913	998
Destroyers -			
- Tribals	28	321	349
- Rivers	56	861	917
- Towns	73	965	1038
Corvettes	475	5378	5853
Fairmiles	125	714	839
M.T.B.	1		1
Patrol Boats	189	210	399
Fishermen's Reserve	1	411	412
Harbour Craft	13	412	425
Base Supply Ships	35	173	208
Aux. Tankers	4	84	88
Bangor M/S	379	3761	4140
Other M/S	48	372	420
Examination Vessels	31	313	344
Boom Attendant	0	18	18
Boom Maintenance	3	98	101
Looplayer	4	36	40
Gate Vessels	2	153	155
Tugs	17	157	174
Diving Boats		14	14
D.E.M.S.		166	166
Serving with R.N.	547	877	1424
TOTAL AFLOAT	2116	16407	18523

ASHORE
(including WRCNS)

	Officers	Ratings	Total
Stadacona	743	6732	7475
Cornwallis	223	3394	3617
Kings	267	243	510
Protector	72	787	859
Captor	51	239	290
Shelburne	31	283	314
Fort Ramsay	25	227	252
Chaleur	23	177	200
Hochelaga	31	98	129
St. Hyacinthe	39	1003	1042
	1505	13183	14688
Naden	242	3862	4104
Givenchy	187	1476	1663
Royal Roads	23	153	176
Chatham	59	539	598
Vancouver	112	331	443
	623	6361	6984
	2128	19544	21672

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ASHORE (Continued)

	Officers	Ratings	Total
Brought Forward	2128	19544	21672
Avalon	308	2286	2594
Bytown	535	606	1141
Bytown Div. II	18	379	397
Niobe	74	629	703
R.C.N.V.R. Divisions	354	6027	6381
	1289	9927	11216
Signal Stations		460	
Ports and Shipyards		37	
D.E.M.S. Ashore		66	
		563	563
TOTAL ASHORE	3417	30034	33451

R.C.N.V.R. DIVISIONS AS AT 6th MARCH, 1943

	OFFICERS		RATINGS
	Active Service	Divisional Strength	Divisional Strength
Halifax	0	24	68
Charlottetown	10	2	44
Saint John	11	5	16
Quebec	13	6	6
Cartier	6	16	76
Montreal	42	141	270
Ottawa	14	42	155
Kingston	8	16	93
Toronto	79	112	310
Hamilton	17	35	315
London	10	21	209
Windsor	12	19	150
Port Arthur	11	1	84
Winnipeg	20	20	316
Regina	10	2	49
Saskatoon	12	22	145
Edmonton	11	11	183
Calgary	12	14	204
Vancouver	19	52	238
Esquimalt	0	11	42
T O T A L	317	572	2973
Bay of Islands Naval Patrol	-	-	19
GRAND TOTAL	317	572	2992

(Certain small differences in the foregoing statistics are due to officers and ratings in transit, etc.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 8th March.

Launchings : Ships - 1 H.M.C. Frigate "WENTWORTH"
Commissionings : Ships - Nil
Local Craft and Auxiliary Vessels - Nil

2. Total R.C.N. Vessels in Commission, 8th March.

Auxiliary Cruisers	2
Destroyers	13
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	351
T O T A L	548

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 1st March		Week ended 8th March	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	165	71.7	162	70.4
Working up	15	6.5	14	6.1
Boiler Cleaning or Repairs not over 7 days	2	0.9	-	-
Under Refit or Repairs over 7 days	48	20.9	54	23.5
T O T A L	230	100.0	230	100.0

4. Transfer of H.M.C. and H.M. Ships.

Transfer of H.M.C. and of H.M. Ships under R.C.N. control between forces are shown below:

SHIPS	CLASS	FROM	TO	DATE EFFECTIVE
H.M.C.S. "BLAIRMORE"	Bangor M/S	New Construction	WLEF	28th Feb. 1943
H.M.C.S. "THUNDER"	Bangor M/S	Shelburne Force	Halifax Force	28th Feb. 1943
H.M.C.S. "RAYON D'OR"	Auxiliary M/S	St. John NB	H.L.D.F.	10th March, 1943.

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SHIPS	CLASS	FROM	TO	DATE EFFECTIVE
H.M.C.S. "GRANDMERE"	Bangor M/S	WLEF	Halifax Force	5th March,1943
H.M.C.S. "BROCKVILLE"	Bangor M/S	Halifax Force	WLEF	5th March,1943
HM "P553"	Training Submarine	Cornwallis	Captain D Halifax	5th March,1943

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 6th March in whose protection the R.C.N, participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	Week Ended 27th Feb. (Revised)	Week Ended 6th Mar.
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	23	23
HJ & JH	Halifax/St. John's, Nfld.	15	26
SPAB	Louisburg/Port aux Basques	-	2
HON	Halifax/New York (via ON)	1	-
HON	Halifax/New York (via ONS)	-	10
WON	St. John's, Nfld./ New York (via ON)	-	3
SPECIAL	Louisburg/Argentia	2	2
SPECIAL	Port aux Basques/Halifax	-	1
NEW YORK GROUP	Halifax/New York	8	-
		49	67

2. Atlantic Convoys

	W/e 27/2		W/e 6/3			
SC 121	52	HX	228	74		
HSC 121	15	HHX	228	13		
ON 168	52	WSC	121	3		
ONS 169	38	SC	122	50		
ONSJ 169	7	ONS	171	39		
		ONSJ	171	5		
	164			184	164	184

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: ONS 169, and SC 121.

3. Caribbean Convoys			
NG & GN	New York/Guantanamo	28	21
		28	21
	TOTAL	188	272

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	Week Ended 27th Feb. (Revised)	Week Ended 6th Mar.
4. Gross Tonnage of Ships Convoyed		
Canadian Coastal Convoys	166,274	223,681
Atlantic Convoys	906,997	1,038,331
Caribbean Convoys	182,623	132,100
T O T A L	1,255,894	1,394,112

5. R.C.N. Ships on Loan - Mediterranean Area

The work of the R.C.N. Corvettes in the Mediterranean during the week included the following:

(1) KMS 10 escorted by C 1 group consisting of 1 R.C.N. destroyer, 1 R.N. destroyer and H.M.C.S. "ST. CROIX", "NAPANEE", "BATTLEFORD", and "KENOGAMI", together with certain other R.N. Ships as additional escorts.

(2) H.M.C.S. "MOOSEJAW" participated in the local escort of Convoy TE 16.

(3) H.M.C.S. "PRESCOTT", "CAMROSE" and "KITCHENER" participated in the local escort of Convoy ET 12.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

Two sightings were reported in these waters during the week. There were no attacks on shipping.

2. North Atlantic

U-boat activity continues to centre in the North Atlantic. After the heavy attacks on ON 166 from 21st to 25th February, which took a toll of 12 ships sunk and one damaged, all convoys were routed to the northward. However, the concentration of U-boats across the shipping lanes continued heavy and SC 121 is in considerable danger. Convoy HX 228 has been given a more southerly route, and its escort includes a small aircraft carrier, USS "BOGUE". As this convoy is standing into danger, it is expected that the value of these ACV's will get a fair testing.

At least 18 attacks were made on U-boats in the North Atlantic during the week. With one exception (HMCS "ASSINIBOINE's" attack reported last week) little is known of the results.

U.S.S. "CAMPBELL", escort for ON 166, damaged in ramming a U-boat two weeks ago, was successfully towed to port by the tug "TENACITY".

The weather in the North Atlantic has, as usual, been bad though weather damage has been less.

3. U.S. Atlantic Coastal Area

There was only one sighting in these waters during the week. There were no attacks. Three sound contacts were depth-charged.

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4. Caribbean and Trinidad Area

Six sightings were reported and six A/S attacks made. An unidentified ship was reported torpedoed.

5. Southern Mid-Atlantic

There has been one sinking in this area. Indications point to some increase in U-boat activity.

6. Mediterranean Area

There is nothing of note to report covering this area.

7. Aleutian Area

This area remains quiet.

8. Losses sustained during recent months by convoys operating between North America and U.K., on the the basis of information received up to 9th March, 1943, are as follows:-

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1,3%
February	613	14	2,3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March (to 9th)	266	1	.7%

V. GENERAL

1. Operation of Mid-Ocean Escort Carrier Groups

The first United States' ACV Unit consisting of the aircraft carrier "BOGUE" and seaplane tender escorts (ex destroyers) "GEORGE E BADGER" and "BALKNAP" was placed in

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operation during the week. The group joined Convoy HX 228 150 miles east of St. John's, Newfoundland, about the 6th of March. For the present, at least, the American Groups will be under the operational control of CTF 24. ACV vessels, which carry from 15 to 20 aircraft, will be attended by two escorts and they will be operated along the same general lines as Support Forces, using Iceland as a turn around port. The sphere of their operation will be dictated by the U-boat and fuel situation.

2. Helicopter Training

N.S.H.Q. has requested that 10 R.C.N.V.R. Officers be included in the first course for Helicopter training which starts in the U.S.A. in 1943. N.S.H.Q. has requested Admiralty's comments and suggestions as to what preliminary training should be given to the Officers selected and whether they should have had previous training with the Fleet Air Arm.

3. R.C.N. Ships on Loan - Mediterranean Area

Admiralty has ordered four H.M.C. "Torch" Corvettes which participated in the North African campaign, "ALBERNI", "PORT ARTHUR", "SUMMERSIDE" and "WOODSTOCK" to sail from the United Kingdom for Halifax on the 11th of March.

4. Tribal Class Destroyers

Approval has been obtained from the Admiralty to name the two Tribal Class Destroyers now under construction in Halifax, N.S., as "NOOTKA" and "MICMAC".

5. H.M.C.S. Tribal Destroyer "IROQUOIS".

H.M.C.S. "IROQUOIS" arrived at Halifax on the 6th of March for inspection by Shipbuilders. Heavy weather damage experienced en route from the United Kingdom has necessitated that she be docked a day or two for repairs. It was originally intended that she would remain in Halifax for seven days and in St. John's, Newfoundland, for three days. Her departure for St. John's and the United Kingdom will, however, be slightly delayed.

6. Transfer of R.N. Destroyers to Canada

H.M.S. "GRIFFIN", which has been transferred to Canada, completes refit on the 12th of March and will be commissioned as an H.M.C. Ship on the 16th of March. She will be re-named H.M.C.S. "OTTAWA".

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VI. WORKS

A. BOOM DEFENCE

Reconditioning of A/S components has been carried out at Sydney, N.S., together with the making up of a number of Pendants for shipment to Louisburg, N.S. Repairs are being carried out to the Nets at St. John's and Bay Bulls, Nfld.

Because of ice conditions, the Nets at Wabana, Nfld., have been lifted. Unsatisfactory weather and ice conditions have also hindered the progress of Net Laying Operations at Louisburg, N.S.

B. ANTI-SUBMARINE

A National Research Council group is being set up at the West Coast for work with ultra high frequency.

Reports dealing with West Coast A/S Fixed Defence projects and possible East Coast Cable Storage and Handling Facilities have been submitted to the A/S Planning Committee.

Accelerating action has been taken on orders for submarine cables.

Attack Teachers are being provided for the proposed Escort Teachers for use at Halifax, Esquimalt, and St. John's, Nfld.

Further orders have been placed to cover the loss of considerable instructional equipment sunk in recent convoys.

C. DEGAUSSING

Degaussing equipment on the additional thirty-five Frigates will be similar to equipment on the previous thirty-seven.

Arrangements have been made to expedite the Wiring Diagram for five course correction controller on Algerine Class Minesweepers.

A request has been received from the Bureau of Ordnance, Washington, for a Canadian D.G. representative to attend a meeting of British and American D.G. authorities to be held some time in the near future.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 51.

Gun mounting was completed on 2 ships and 5 others are in hand for arming.

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E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,016,111.20.

Distribution

Reports of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister of N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington (3 copies)
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Naval Report Only

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MERCHANT SHIPPING CASUALTIES

C180234

SECRET Report number 10 for week ending March 8,1943. NS 1048-47-5

(A)
SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and north of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
60A	"MADOERA" (Du. cargo)	9382	Feb.24	46° 02'N 39° 20'W	Torpedoed. Arrived safely.
61A	"MERIWETHER LEWIS" (Am. cargo)	7176	Mar.3	61° 00'N 25° 00'W	Torpedoed, believed sunk.
62A	"SANTA BARBARA" (Am. cargo)	6500	Mar.3	39° 02'N 52° 26'W	Torpedoed.
63A	"THOMAS HOOKER" (Am. cargo)	7176	Mar.5	53° 40'N 46° 50'W	Torpedoed, crew taken off.
64A	"EMPIRE LIGHT" (Br. tanker)	6537	Mar.7	53° 57'N 46° 14'W	Torpedoed.
65A	"EGYPTIAN" (Br. cargo)	2868	Mar.7	56° 22'N 37° 40'W	Torpedoed.
66A	"GUIDO" (Br. cargo)	3921	Mar.8	58° 21'N 31° 08'W	Torpedoed and sunk.

(B)
SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and north of the Equator)

54B	Fishing Vessel		Mar.3	43° 14'N 65° 06'W	Disabled, crew rescued.
55B	"HARTWELSON" (Am. cargo)	3078	Mar.5	43° 27'N 65° 28'W (approx)	Ran shore.
56B	"NEPTUNE" (Br. cargo)	684	Mar.5	47° 34'N 52° 39'W	Foundered while in tow of tug "TENACITY".

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

52B	"GYDA" (Br. cargo)	1695	See report #9, March 1,1943.	In collision with "FORT THOMPSON". Reported arrived St. John, N.B. 7/3/43.
53B	"FORT THOMPSON" (Br. cargo)	7100	See report #9, March 1,1943.	In collision with "GYDA". Reported arrived Portland, Me., 2/3/43.

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C180235

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons.
1943				
JANUARY	7 cargo	3 tankers	TOTAL 10 ships	60,122 tons.
FEBRUARY	18	6	24	155,279
MARCH (to 8th)	1	0	1	3,921
TOTAL	26 cargo	9 tankers	TOTAL 35 ships	219,322 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,159,018 tons.
1943				
JANUARY	1 cargo	0 tankers	TOTAL 1 ships	14,547 tons.
FEBRUARY	17	6	23	147,322
MARCH (to 8th)	1	0	1	3,921
TOTAL	19 cargo	6 tankers	TOTAL 25 ships	165,790 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area north of the Equator)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY	5	0	5	15,163
MARCH (to 8th)	1	0	1	5,952
TOTAL	11 cargo	2 tankers	TOTAL 13 ships	49,504 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area north of 0°)
(Subject to revision)

WEEK ENDING				
Feb, 15th	0 cargo	0 tankers	TOTAL 0 ships	00,000 tons.
Feb, 22nd	4	2	6	42,292
Mar. 1st	4	3	7	43,735
Mar. 8th	1	0	1	3,921

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	13		13	5		5
US Atlantic Seaboard					1	1
Bermuda Area.					2	2
TOTAL	13		13	5	3	8

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

DATE	CONVOY	SUNK IN CONVOY	SUNK EX CONVOY	OTHER ATTACKS IN CONVOY	OTHER ATTACKS EX CONVOY
Feb. 21	ON 167		"ROSARIO"#		
Feb. 21	ON 167		"H.H. ROGERS"#		
Feb. 21	ON 166		"STIGSTAD""		
Feb. 22	ON 166		"N.T. NIELSEN ALONSO"		
Feb. 22	ON 166		"EMPIRE TRADER"		
Feb. 22	ON 166		"CHATTANOOGA CITY"		
Feb. 22	ON 166		"EXPOSITOR"		
Feb. 22	ON 166		"EMPIRE REDSHANK"		
Feb. 23	ON 166		"WINKLER"		
Feb. 23	ON 166		"EULIMA"		
Feb. 23	ON 166		"HASTINGS"		
Feb. 23	ON 166		"GLITTRE"		
Feb. 23	UC 1				"ATHEL PRINCESS"#
Feb. 24	ON 166		"INGRIA"		
Feb. 24	ON 166				"MADOERA"
Feb. 25	ON 166		"MANCHESTER MERCHANT"		
Feb. 25	UC 1		"EMPIRE NORSEMAN"#		
Feb. 25	UC 1		"ESSO BATON ROUGE"#		
Feb. 25	UC 1				"BRITISH FORTITUDE"#
Feb. 25	UC 1				"MURENA"#
Feb. 28	HX 227				"WADE HAMPTON"
Mar. 5	ON 168				"THOMAS HOOKER"
Mar. 7	ON 168				"EMPIRE LIGHT"
Mar. 7	SC 121				"EGYPTIAN"
Mar. 8	SC 121		"GUIDO"		

# Indicates attacks outside U.S. Strategic Area.

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C180237

TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

	SHIPS SUNK			OTHER ATTACKS	
	Ships Convoyed	In Convoy	Ex Convoy	In Convoy	Ex Convoy
NOVEMBER	533	18	5	1	
DECEMBER	604	20	2	4	
JANUARY	597	3	-	1	
FEBRUARY	639	22	-	3	
MARCH (to 9th)	266	1	-	4	

NOTE:
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C180238

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N.S. M.S. 1000-5-19
CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 19th March, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 176

REPORT NO. 114

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Net Change Week Ending 13th March, 1943		Total Strength as of 13th March, 1943.		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	2	-1	613	3394	4007
R.C.N.R.	-2	5	939	5001	5940
R.C.N.V.R.	28	404	4493	41491	45984
TOTAL	28	408	6045	49886	55931
LESS DIV. STRENGTH			567	2960	3527
TOTAL ACTIVE SERVICE			5478	46926	52404
W.R.C.N.S.	9	49	68	1569	1637
GRAND TOTAL	37	457	5546	48495	54041

B. CASUALTIES:

Cecil C. PATTERSON, Tel., V9696, RCNVR -- Missing, presumed dead.

Eric E. EISNER, Stwd., 40756, RCN -- Missing on war service.

1 Officer, 8 Ratings injured -- reported during week.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	TOTAL
Total wounded or injured	11	148	159
Prisoners of War	4	2	6

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Week Ended 13th March 1943			Period from 31st Aug., 1939, to 13th March, 1943		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	26	438	464	4973	52370	57343
2.	Promotions from Lower Deck	5	-5	-	1077	-1077	-
		31	433	464	6050	51293	57343
3.	Deductions from Strength						
	Discharges from Active Service:						
	--Medically Unfit	0	10	10	55	1709	1764
	--Desertion	-	-2	-2	-	138	138
	--Other Reasons	3	9	12	203	1395	1598
	Discharges from Div. Str.	0	4	4	15	938	953
	Casualties:						
	--Killed on Active Service	0	2	2	88	694	782
	--Other Deaths	0	0	0	11	88	99
	Total Deductions	3	23	26	372	4962	5334
4.	Net Increase	28	410	438	5678	46331	52009
5.	Personnel at Beginning of Period	6017	49476	55493	367	3555	3922
6.	PRESENT STRENGTH	6045	49886	55931	6045	49886	55931

W.R.C.N.S.

	Officers	Ratings	TOTAL
Enlistments to date	8	1649	1657
Promotions from Lower Deck	61	-61	-
	69	1588	1657
Discharges to date	1	19	20
PRESENT STRENGTH	68	1569	1637

Adjustments: 1 RCNR Rating and 1 RCNVR Rating recovered from desertion.
1 Promotion and 1 Medically Unfit discharge omitted in previous report, now included.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Feb. 21	ON 167		"ROSARIO"#		
Feb. 21	ON 167		"H.H. ROGERS"#		
Feb. 21	ON 166		"STIGSTAD"		
Feb. 22	ON 166		"N.T. NIELSEN ALONSO"		
Feb. 22	ON 166		"EMPIRE TRADER"		
Feb. 22	ON 166		"CHATTANOOGA CITY"		
Feb. 22	ON 166		"EXPOSITOR"		
Feb. 22	ON 166		"EMPIRE REDSHANK"		
Feb. 23	ON 166		"WINKLER"		
Feb. 23	ON 166		"EULIMA"		
Feb. 23	ON 166		"HASTINGS"		
Feb. 23	ON 166		"GLITTRE"		
Feb. 23	UC 1				"ATHEL PRINCESS"#
Feb. 24	ON 166		"INGRIA"		
Feb. 24	ON 166				"MADOERA"
Feb. 25	ON 166		"MANCHESTER MERCHANT"		
Feb. 25	UC 1		"EMPIRE NORSEMAN"#		
Feb. 25	UC 1		"ESSO BATON ROUGE"#		
Feb. 25	UC 1				"BRITISH FORTITUDE"#
Feb. 25	UC 1				"MURENA"#
Feb. 28	HX 227				"WADE HAMPTON"
Mar. 5	ON 168				"THOMAS HOOKER"
Mar. 7	ON 168				"EMPIRE LIGHT"
Mar. 7	SC 121				"EGYPTIAN"
Mar. 8	SC 121		"GUIDO"		

# Indicates attacks outside U.S. Strategic Area.

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TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

	SHIPS SUNK			OTHER ATTACKS	
	Ships Convoyed	In Convoy	Ex Convoy	In Convoy	Ex Convoy
NOVEMBER	533	18	5	1	
DECEMBER	604	20	2	4	
JANUARY	597	3	-	1	
FEBRUARY	639	22	-	3	
MARCH (to 9th)	266	1	-	4	

NOTE:
All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 19th March, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 176

REPORT NO. 114

-vVv-

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D. DISTRIBUTION OF NAVAL PERSONNEL

		OFFICERS	RATINGS	TOTALS
1.	AFLOAT			
	Auxiliary Cruisers	81	863	944
	Destroyers	159	2187	2346
	Corvettes	476	5373	5849
	Frigates			
	Minesweepers	417	4111	4528
	Motor Launches	125	717	842
	Base Supply Ships	37	175	212
	Patrol Craft & Aux. Vessels	261	2096	2357
	TOTAL AFLOAT	1556	15522	17078
2.	ASHORE (including WRCNS)			
a.	C.O.A.C.			
	Stadacona	759	6741	7500
	Cornwallis	222	3521	3743
	Kings	337	250	587
	Protector	74	838	912
	Captor	52	243	295
	Shelburne	31	278	309
	Fort Ramsay	26	222	248
	Chaleur	23	174	197
	Hochelaga	31	97	128
	St. Hyacinthe	38	1004	1042
	TOTAL	1593	13368	14961
b.	F.O.N.F.			
	Avalon	297	2266	2563
c.	C.O.P.C.			
	Naden	242	3810	4052
	Givenchy	200	1477	1677
	Royal Roads	23	131	154
	Chatham	58	519	577
	Vancouver	108	347	455
	TOTAL	631	6284	6915
d.	C.C.C.S.			
	Niobe	76	873	949
e.	C.O.R.D.	352	6208	6560
f.	"SUNDRY"			
	BYTOWN	547	622	1169
	BYTOWN II	18	396	414
	SIGNAL STATIONS		472	472
	PORTS AND SHIPYARDS		37	37
	D.E.M.S. ASHORE		73	73
	TOTAL	565	1600	2165
3.	ON LOAN RN	557	901	1458
	TOTAL ASHORE	4071	31500	35571

SUMMARY	Officers	Ratings
Total Afloat	1556	15522
Total Ashore		
a) Not under Training	3681	24433
b) Under Training	390	7067
GRAND TOTAL	5627	47022

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 15th March.

Launchings	:	Ships - Nil
Commissionings	:	Ships - Nil Local Craft and Auxiliary Vessels - Nil

2. Total R.C.N. Vessels in Commission, 15th March.

Auxiliary Cruisers	2
Destroyers	13
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	351
T O T A L	548

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 8th March		Week ended 15th March	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	162	70.4	158	68.7
Working up	14	6.1	17	7.4
Boiler Cleaning or Repairs not over 7 days	-	-	2	.9
Under Refit or Repairs over 7 days	54	23.5	53	23.0
T O T A L	230	100.0	230	100.0

4. Damage to R.C.N. Ships.

It is estimated that H.M.C.S. "ASSINIBOINE" will be out of service for at least six weeks as a result of the damage she sustained in ramming and sinking a U-boat in Mid-ocean while en route to the U.K. Repairs will be carried out at Liverpool, U.K.

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5. General.

Six H.M. Bangor Class Minesweepers are to be transferred from the Pacific Coast to the Atlantic Coast to release six Canadian Corvettes from Local Escort Forces for Ocean Escort Forces. The first five Bangors are expected to depart from Esquimalt on the 17th of March and to arrive in Halifax on the 14th of April. The sixth is refitting at Prince Rupert and is expected to be completed on the 9th of April.

Admiralty states that the six A/S Trawlers "AYRSHIRE", "CAPE ARGON", "CAPE MARIATO", "LORD MIDDLETON", "PAYNTER" and "ST. KENAN" which have been loaned to Canada will sail about the 15th of March with ONS 174.

The R.C.N. has accepted the United States' offer of two Coast Guard Fire Boats to be leased for service at Halifax. While the provision of Fire Boats for Halifax is the responsibility of the National Harbour Board, these two Fire Boats will provide the needed protection in Halifax until 15th of June 1943, which is the earliest date that the Board can acquire a suitable Tug. If it is not possible for the United States crews to remain with these Coast Guards, R.C.N. crews will take over and the vessels will be commissioned as H.M.C. Ships on their arrival at Halifax.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 13th March in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	Week Ended 6th Mar. (Revised)	Week Ended 13th Mar.
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	23	16
HJ & JH	Halifax/St. John's, Nfld.	26	17
SPAB	Louisburg/Port aux Basques	2	-
HON	Halifax/New York (via ONS)	10	-
WON	St. John's, Nfld./New York (via ON)	3	-
SPECIAL	Louisburg/Argentia	2	2
CAPE COD GROUP	Halifax/New York	-	12
HALIFAX SPECIAL	Halifax/Cable Ship	-	1
SPECIAL	Port aux Basques/Halifax	1	-
		67	48
			6

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Short Title	Terminal Ports	Week Ended 6th Mar. (Revised)	13th Mar.
	Brought Forward	67	48

2. Atlantic Convoys

W/2 6/3			W/e 13/3		
HX	228	74	HX	229	40
HHX	228	13	HX	229 A	27
WSC	121	3	HHX	229 A	19
SC	122	50	HSC	122	14
ON	170	50	WSC	122	1
ONS	171	39	ONSJ	171	5
			ON	172	16
		229			122

		229	122

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: SC 121 and ON 172.

3. Caribbean Convoys

NG & GN	New York/Guantanamo	57	-
		57	-
	TOTAL	353	170

4. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	223,681	181,720
Atlantic Convoys	1,351,848	827,317
Caribbean Convoys	353,402	- - - -
TOTAL	1,928,931	1,009,037

5. R.C.N. Ships on Loan - Mediterranean Area

The work of the R.C.N. Ships in the Mediterranean during the week included the following:

(1) H.M.C.S. "ST. CROIX", "NAPANEE", "BATTLEFORD", "KENOGAMI", "PRESCOTT" and "MOOSEJAW" participated in the local escort of MKS 9. H.M.C.S. "AMHERST" participated in the local escort of KMF 10 B.

(2) The following ships were in the Torch Area on escort duty during the week: H.M.C.S. "COLLINGWOOD", "BRANDON", "AMHERST", "RESTIGOUCHE", "BADDECK", "SHEDIAC", "CAMROSE" and "ALGOMA".

H.M.C.S. "DAWSON" and "VANCOUVER" have been engaged in Escort Duties between Dutch Harbour and the Aleutians.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

Two sightings were reported in these waters during the week. One sighting was made between St. Pierre Island and Newfoundland by a shore watcher on the 9th of March. The

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other was made by the Captain of the coastal vessel "HENRY W. STONE", who reported seeing a surfaced U-boat 120 miles west of Louisburg also on the 9th.

Three attacks were carried out on sound contacts off St. John, N.B. and Halifax by U.S. Patrol Craft "YP 447" and H.M.S. "MULGRAVE", but they produced no results and are considered doubtful.

There were no attacks on shipping.

2. North Atlantic Area

An estimated 70 U-boats were operating during the week in the North Atlantic north of 40° N. About 30 were estimated to be north of 55° N and another 11 or more were athwart Convoy routes 400-500 miles North East of Newfoundland.

Convoy SC 121, consisting of 68 ships, was routed to the northward. It was first attacked on night of the 7th of March 300 miles south east of Cape Farewell and one ship was torpedoed. During the next three succeeding days and nights, 7 other ships were torpedoed, the last occurring 550 miles west of Ireland. This brought the total casualties in this Convoy to 8 Merchant Ships.

A considerable number of counter-attacks were carried out by surface and air escorts, but no "kills" have been reported.

Convoy HX 228, consisting of the unusually large number of 87 Merchant Ships, was routed further to the southward than most Convoys. In addition to a regular Mid-Ocean escort, the Convoy was strengthened by an American ACV Group composed of the Auxiliary Aircraft Carrier "BOGUE" and seaplane tender escorts (ex Destroyers) "GEORGE E BADGER" and "BALKNAP". Heavily attacked by U-boats, 5 Merchant Ships were sunk by torpedo on the 10th and 11th of March, 650-700 miles west of Ireland.

H.M.S. "RENONCULE", manned by a Free French crew, attacked a U-boat a few seconds after torpedoes were fired at the Convoy in the first attack and the C.O. reported that the attack was considered accurate and that the U-boat was at least damaged. Shortly after mid-night on the 11th, U-boat "U444" was surfaced by H.M.S. "HARVESTER's" depth charges and rammed by her and then rammed again and sunk by H.M.S. "ACONITE", (manned by Free French). Four German prisoners were taken. Unfortunately "HARVESTER's" engines were put out of action and she was torpedoed twice and sunk.

A few minutes later "ACONITE", which had remained to screen "HARVESTER", sighted a U-boat (432) on the surface, range 12,000 yards. The U-boat dived but was brought to the surface by "ACONITE's" depth charges, engaged, rammed and sunk. Twenty-one prisoners were taken.

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3. U.S. Atlantic Coastal Area

U-boat activity was confined in this area to two attacks on sound contacts off Cape Cod and Charleston on the 11th and 12th of March.

4. Adjacent Waters

One ship in United States - Gibraltar Convoy UGS 6 was torpedoed 450 miles west of the Azores on the 13th of March. A surface vessel made attacks on two U-boats 550 miles west of the Azores on the same date.

There has been an upswing in submarine activity in the Caribbean during the past week. Eight ships were torpedoed in a Bahia-Trinidad Convoy on 9th of March north of the Amazon River. Five ships were reported salvageable, of which 3 have made port. This was the first concentrated attack in the Caribbean-Trinidad areas in nearly two months.

A Key West-Havana Convoy "KW123" was attacked on the 10th of March and three ships were torpedoed, two south of Cuba and the third in the Yucatan Channel. The escort of this Convoy included three R.C.N. Motor Launches of the 73rd Flotilla, ML 072, 079 and 081. Two other ships were sunk in Guantanamo-Aruba-Trinidad Convoy "GAT 49" 200 miles west of Aruba on 13th of March.

One U-boat was destroyed 420 miles west of Trinidad on 8th of March by a U.S. Naval plane. Four Mark 44 Depth Charges were dropped from 75 feet and 115 rounds of .50 cal. and 30 rounds of .30 cal. were fired. The U-boat lifted, broke in two and sank. Debris, smoke and water were thrown 30 feet in the air and at least 11 men were observed in the water.

Two U-boats were sighted by R.C.A.F. Aircraft off Canada's Pacific Coast on the 10th and 14th of March. The first sighting was made a few miles west of Tofino and the second 7 miles west of Cape Beale, Barkley Sound. Aircraft and Naval vessels carried out a search without results.

5. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 16th March, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March (to 16th)	381	8	2.1%

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V. WORKS

A. BOOM DEFENCE

It has been decided to discontinue Net Laying Operations at Louisburg until the weather moderates. Ice conditions in the Harbour have been so severe that passage for all but large vessels was made extremely difficult and dangerous, and Boom Laying Operations were seriously hindered.

A satisfactory test was carried out at Prince Rupert, B.C., on M.B.D.#2, which lifted 37 1/2 tons for a period of 15 minutes at an angle of 45°. The load was lifted and swung in a full arc twice.

B. DEGAUSSING

A programme is being worked out for the supply of equipment for the permanent D.G. installations in Single Screw Corvettes (in service).

A conference was held with I.C.B., Commander Godfrey, U.S.N., and S.D.G. in regard to New Construction Canadian and American Vessels passing through the St. Lawrence.

C. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 63.

Gun mounting was completed on 2 ships, and 7 others are in hand for arming.

D. STORES

The equipment purchased by the Naval Stores amounted this week to $710,258.12.

Distribution

Report of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington (3 copies)
Sec. C.S.C.

Naval Report Only

Secretary, Defence Council (12 copies) Copies Nos. 14-25
C. N. S. Copy No. 26
C. N. A. Copy No. 27
N. I. D. 4 (2 copies) Copies Nos. 28 and 29
Naval Historian Copy No. 30
Sec. N.B. (for Naval Board Members) Copy No. 31
D. Sec. Staff (for Staff Directors) Copy No. 32
D. of P. Copy No. 33

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MERCHANT SHIPPING CASUALTIES

C180247

SECRET Report number 11 for week ending March 15, 1943. NS 1048-47-5

(A) SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and north of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
67A	"KATY" (Nor. tanker)	6825	Mar.9	61° 34' N 27° 43' W	Torpedoed.
68A	"MALANTIC" (Am. cargo)	3837	Mar.9	58° 37' N 22° 32' W	Torpedoed.
69A	"KELVIN BANK" (Br. cargo)	3872	Mar.9	07° 11' N 52° 30' W	Torpedoed and sunk.
70A	"JAMES SMITH" (U.S. cargo)	7181	Mar.9	07° 11' N 52° 30' W	Torpedoed and sunk.
71A	"JAMES K. POLK" (U.S. cargo)	7177	Mar.9	07° 11' N 52° 30' W	Torpedoed and sunk.
72A	"JOSEPH R. DRAKE" (U.S. cargo)	7181	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Paramaribo 10/3.
73A	"TABITHA BROWN" (Am. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Trinidad 13/3.
74A	"THOMAS RUFFIN" (Am. cargo)	7191	Mar.9	07° 11' N 52° 30' W	Torpedoed.
75A	"MARK HANNA" (Am. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.
76A	"GEORGE C MEADE" (AM. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Paramaribo 10/3.
77A	"VOJVODA PUTNIK" (Yugo/Slav cargo)	5879	Mar.9	58° 42' N 31° 25' W	Attacked.
78A	"A F LUCKENBACK" (Am. cargo)	6565	Mar.10	51° 20' N 29° 25' W	Torpedoed and sunk.
79A	"TUCURINCA" (Br. cargo)	5412	Mar.10	51° 20' N 29° 25' W	Torpedoed and sunk
80A	"W C GORGAS" (U.S. cargo)	4636	Mar.10	52° 05' N 27° 35' W	Torpedoed and sunk.
81A	"LAWTON B EVANS" (U.S. cargo)	7197	Mar.10	52° 05' N 27° 00' W	Torpedoed and sunk.
82A	"VIRGINIA SINCLAIR" (Am. tanker)	6151	Mar.10	20° 00' N 74° 10' W	Attacked and sunk.
83A	"JAMES SPRUNT" (U.S. cargo)	7176	Mar.10	19° 49' N 74° 38' W	Torpedoed and sunk.
84A	"OLANCHO" (Ho cargo)	2493	Mar.10	22° 08' N 85° 14' W	Torpedoed.
85A	"BRANT COUNTY" (No cargo)	5001	Mar.10	52° 05' N 27° 25' W	Torpedoed.

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C180247

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72A	"JOSEPH R. DRAKE" (U.S. cargo)	7181	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Paramaribo 19/3.
73A	"TABITHA BROWN" (Am. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Trinidad 13/3.
74A	"THOMAS RUFFIN" (Am. cargo)	7191	Mar.9	07° 11' N 52° 30' W	Torpedoed.
75A	"MARK HANNA" (Am. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.
76A	"GEORGE C MEADE" (AM. cargo)	7176	Mar.9	07° 11' N 52° 30' W	Torpedoed.Reported now arrived Paramaribo 10/3.
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83A	"JAMES SPRUNT" (U.S. cargo)	7176	Mar.10	19° 49' N 74° 38' W	Torpedoed and sunk.
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(A) SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION. (Continued)

	NAME	TONS	TIME	POSITION	DETAILS
86A	"HENRY WYNKOOP" (Am. cargo)	7176	Mar.11	52° 05' N 27° 35' W	Torpedoed.
87A	"CITIES SERVICE MISSOURI" (Am. cargo)	7506	Mar.13	14° 50' N 71° 45' W	Torpedoed.
88A	"CERES" (Du cargo)	2680	Mar.13	14° 50' N 71° 46' W	Torpedoed.

(B) SHIPPING IN DESTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES

(In U.S. Strategic area and north of the Equator)

57B	"ALCOA GUARD" (AM. cargo)	4905	Mar.7	035° 09' N 062° 50' W	Collision with "Tamesis".
58B	"TAMESIS" (Nor. cargo)	7256	Mar.7	34° 30' N 61° 55' W	Collision with "Alcoa Guard" 2 sank. Crew landedd safely.
59B	"MOUNT KYLLENE" (Gr. cargo)	3703	Mar.13	45° 21' N 60° 59' W	Ran aground. Arrivived safely.

(A) FURTHER INFORMATION REGARDING PRIVIOUS REPORTS.

62A	"SANTA BARBARA" (AM.cargo)	6500	See report #10, March 8, 1943.	Torpedoed. Now arrived safely New York, Mar.6/43
59A	"WADE HAMPTON"	7176	See report "9, March 1, 1943.	Previously reported torpedoed. Now sunk.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons.
1943				
JANUARY	7 cargo	3 tankers	TOTAL 10 ships	60,122 tons.
FEBRUARY	19	6	25	159,611
MARCH (to 15th)	11	1	12	71,465
TOTAL	37 cargo	10 tankers	TOTAL 47 ships	291,198 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,159,018 tons.
1943				
JANUARY	1 cargo	0 tankers	TOTAL 1 ships	14,547 tons
FEBRUARY	17	6	23	147,342
MARCH (to 15th)	7	0	7	39,908
	25 cargo	6 tankers	TOTAL 31 ships	201,797 tons.

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SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area north of the Equator)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY	5	0	5	15,163
MARCH (to 15th)	1	0	1	7,256
TOTAL	11 cargo	2 tankers	TOTAL 13 ships	50,808 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area north of 0°)
(Subject to revision)

WEEK ENDING				
Feb.22nd	4 cargo	2 tankers	TOTAL 6 ships	42,292
Mar.1st	5	3	8	48,067
Mar.8th	2	0	2	11,097
Mar.15th	9	1	10	60,368
	20 cargo	6 tankers	26 ships	161,824 tons

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping lanes	20	0	20	7		7
U.S.Atlantic Seaboard					1	1
Bermuda Area	1		1		1	1
Gulf of Mexico & Caribbean area	2	0	2	3	0	3
Trinidad Area	3	0	3	5	0	5
	26	0	26	15	2	17

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Feb.21	ON 167	"ROSARIO"#			
Feb.21	ON 167	"H.H. ROGERS"#			
Feb.21	ON 166		"STIGSTAD"		
Feb.22	ON 166		"N.T. NIELSEN ALONSO"		
Feb.22	ON 166		"EMPIRE TRADER"		
Feb.22	ON 166		"CHATTANOOGA City"		
Feb.22	ON 166		"EXPOSITOR"		
Feb.23	ON 166		"EMPIRE REDSHANK"		
Feb.23	ON 166		"WINKLER"		
Feb.23	ON 166		"EULIMA"		
Feb.23	ON 166		"HASTINGS"		
Feb.23	ON 166		"GILTTRE"		
Feb.23	UC 1			"ATHEL PRINCESS"#	
Feb.24	ON 166		"INGRIA"		
Feb.24	ON 166			"MADOERA"	
Feb.25	ON 166		"MANCHESTER MERCHANT"		
Feb.25	UC 1		"EMPIRE NORSEMAN"#		
Feb.25	UC 1		"ESSO BATON ROUGE"#		
Feb.25	UC 1			"BRITISH FORTITUDE"#	
Feb.25	UC 1			"MURENA"#	
Feb.28	HX 227		"WADE HAMPTON"		
Mar.2	HX 227		"MERIWETHER LEWIS"		
Mar.5	ON 168			"THOMAS HOOKER"	
Mar.7	ON 168			"EMPIRE LIGHT"	
Mar.7	SC 121			EGYPTIAN"	
Mar.8	SC 121	"GUIDO"			

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS. (Cont'd)

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar.9	ON 170			"KATY"	
Mar.9	SC 121			"MALANTIC"#	
Mar.9	SC 121			"ROSEWOOD" #	
Mar.9	SC 121			"VOJVODA PUTNIK"	
Mar.10	HX 228	"A F LUCHENBACH"			
Mar.10	HX 228	"TUCURINCA"			
Mar.10	SC 121			"NAILSEA COURT"#	
Mar.10	SC 121	"BONNEVILLE"#			
Mar.10	HX 228	"W C GORGAS"			
Mar.10	HX 228	"LAWTON B EVANS"			
Mar.10	HX 228	"BRANT COUNTY"			
Mar.9	SC 121			"COULMORE"#	
Mar.11	HX 228			"HENRY WYNKOOP"	

# Indicates attacks outside U.S. Strategic Area.

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 26th March, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 177

REPORT NO. 115

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Net Change Week Ending 20th March, 1943		Total Strength as of 20th March, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	5	0	618	3394	4012
R.C.N.R.	1	6	940	5007	5947
R.C.N.V.R.	31	463	4524	41955	46479
TOTAL	37	469	6082	50356	56438
LESS DIV. STRENGTH			531	2841	3372
TOTAL ACTIVE SERVICE			5551	47515	53066
W.R.C.N.S.	6	77	74	1646	1720
GRAND TOTAL	43	546	5625	49161	54786

B. CASUALTIES:

N I L

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	Total
Total wounded or injured	11	148	159
Prisoners of War	4	2	6

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Week Ended 20th March 1943			Period from 31st Aug., 1939, to 20th March, 1943		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	33	511	544	5007	52881	57888
2.	Promotions from Lower Deck	9	-9	-	1086	-1086	-
3.	Adjustments	-	-1	-1	-	-1	-1
		42	501	543	6093	51794	57887
4.	Deductions from Strength						
	Discharges from Active Service:						
	--Medically Unfit	0	6	6	55	1715	1770
	--Desertion	-	3	3	-	141	141
	--Other Reasons	5	14	19	209	1409	1618
	Discharges from Div. Str.	0	8	8	15	946	961
	Casualties:						
	--Killed on Active Service	0	0	0	88	694	782
	--Other Deaths	0	0	0	11	88	99
	Total Deductions	5	31	36	378	4993	5371
5.	Net Increase	37	470	507	5715	46801	52516
6.	Personnel at Beginning of Period	6045	49886	55931	367	3555	3922
7.	PRESENT STRENGTH	6082	50356	56438	6082	50356	56438

W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	8	1733	1741
Promotions from Lower Deck	67	-67	-
	75	1666	1741
Discharges to date	1	20	21
PRESENT STRENGTH	74	1646	1720

Adjustments: 1 RCNVR rating transferred to RCNR, counted as new entry in RCNR in previous reports.
2 RCNVR ratings recovered from desertion.
1 RCNR rating and 4 RCNVR ratings discharged to desertion.
1 discharge "Other Reason" for officers omitted in previous report, now included.

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D. DISTRIBUTION OF NAVAL PERSONNEL

		OFFICERS	RATINGS	TOTALS
1.	AFLOAT			
	Auxiliary Cruisers	81	783	864
	Destroyers	159	2298	2457
	Corvettes	469	5367	5836
	Frigates	-	-	-
	Minesweepers	417	4168	4585
	Motor Launches	126	707	833
	Base Supply Ships	37	185	222
	Patrol Craft & Aux. Vessels	270	2091	2361
	On loan to RN	566	887	1453
	TOTAL AFLOAT	2125	16486	18611
2.	ASHORE (including WRCNS)			
a.	C.O.A.C.			
	Stadacona	764	6495	7259
	Cornwallis	222	3718	3940
	Kings	337	247	584
	Protector	74	664	738
	Captor	52	259	311
	Shelburne	31	283	314
	Fort Ramsay	26	217	243
	Chaleur	23	169	192
	Hochelaga	31	98	129
	St. Hyacinthe	38	1003	1041
	TOTAL	1598	13153	14751
b.	F.O.N.F.			
	Avalon	293	2278	2571
c.	C.O.P.C.			
	Naden	246	3981	4227
	Givenchy	196	1643	1839
	Royal Roads	23	131	154
	Chatham	58	513	571
	Vancouver	108	346	454
	TOTAL	631	6614	7245
d.	C.C.C.S.			
	Niobe	73	798	871
e.	C.O.R.D.	353	6089	6442
f.	"SUNDRY"			
	BYTOWN	535	609	1144
	BYTOWN II	16	450	466
	SIGNAL STATIONS		482	482
	PORT & SHIPYARDS		39	39
	D.E.M.S. ASHORE		75	75
	TOTAL	551	1655	2206
	TOTAL ASHORE	3499	30587	34086
	SUMMARY			
	Total Afloat	2125	16486	18611
	Total Ashore			
	a) Not under Training	3009	22531	25540
	b) Under Training	490	8056	8546
	GRAND TOTAL	5624	47073	52697

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 22nd March

Launchings	:	Ships - Nil
Commissionings	:	Ships - 1 Destroyer Local Craft and Auxiliary Vessels - Nil

H.M.S. "GRIFFIN" was commissioned on 20th March as H.M.C.S. "OTTAWA".

2. Total R.C.N. Vessels in Commission, 22nd March

Auxiliary Cruisers	2
Destroyers	14
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	351
T O T A L	549

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 15th March		Week ended 22nd March	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	158	68.7	166	71.9
Working Up	17	7.4	14	6.1
Boiler Cleaning or Repairs not over 7 days	2	.9	-	-
Under Refit or Repairs over 7 days	53	23.0	51	22.0
T O T A L	230	100.0	231	100.0

4. Damage to H.M.C. Ships: H.M.C.S. "SAGUENAY"

The Naval Board has decided that it would not be economical or wise to undertake the extensive repairs and refitting required to restore H.M.C. Destroyer "SAGUENAY" to service. Only the minimum of repairs will be made to enable her to be used as a training ship for new entry personnel at Deep Brook, N.S.

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III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 20th March in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

	Short Title	Terminal Ports	Week Ended 13th Mar. (Revised)	Week Ended 20th Mar.
1.	**Canadian Coastal Convoys**			
	HF & FH	Halifax/St. John, N.B.	16	23
	SPECIAL	Halifax/St. John, N.B.	-	2
	JH & HJ	Halifax/St. John's, Nfld.	17	29
	SPAB	North Sydney/Port aux Basques	-	3
	HON	Halifax/New York (via ONS)	-	4
	SPECIAL	Louisburg/Argentia	2	5
	SPECIAL	Halifax/Cable Ship	1	-
	CAPE COD GROUP	Halifax/New York	12	2
	SPECIAL	Halifax/Boston	-	3
			48	71

2. **Atlantic Convoys**

W/e 13/3			W/e 20/3		
HX	229	40	WHX	229A	1
HX	229A	27	HX	230	37
HHX	229A	19	HHX	230	9
HSC	122	14	SC	123	32
WSC	122	1	HSC	123	17
ONSJ	171	5	WSC	123	1
ON	172	16	SC	124	24
			ON	173	39
			ONS	1	34
			ONSJ	1	8
		122			202

	122	202
T O T A L	170	273

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: ON 172. HX 230 and SC 124 not yet designated.

3. **Gross Tonnage of Ships Convoyed**

Canadian Coastal Convoys	181,720	269,760
Atlantic Convoys	827,317	1,222,396
T O T A L	1,009,037	1,492,156

4. **R.C.N. Ships on Loan -Mediterranean Area**

The work of the R.C.N. Ships in the Mediterranean during the week included the following:

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(1) H.M.C.S. "VILLE DE QUEBEC", "MOOSE JAW", "KITCHENER" and "CAMROSE" participated in the local escort of Convoy XK3.

(2) H.M.C.S. "ALGOMA" participated in the local escort of Convoy ET 14.

(3) H.M.S. "NASTURTIUM" and H.M.C.S. "ALGOMA" participated in the local escort of "EMPIRE PRIDE".

IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

Eleven U-boat sightings were reported in Nova Scotian and Newfoundland coastal waters between the 18th and 23rd of March. Six of these were off the coast of Newfoundland and five in the vicinity of Cape Sable and south of Liverpool, N.S., and Halifax.

This outbreak of sightings lends support to the belief that U-boat patrols are being re-established in Canadian coastal waters.

There were no attacks on shipping, but four attacks were carried out on U-boats or sound contacts.

Ice conditions are becoming difficult and one vessel was holed by an iceberg.

2. North Atlantic Area

During the current week the U-Waffe unleashed a heavy attack against North Atlantic Trade Routes, with the Southern routes receiving most of the attention.

HX 229 was first attacked on March 16th and by the end of the next day, ten ships had been torpedoed. During these two days the U-boat W/T traffic was the heaviest of the year to date. It is obvious that the German traffic control system is geared to a hight pitch. On March 18th HX 229 was again heavily attacked and two more ships were lost. On the 19th, two destroyers and two corvettes joined the battle and the convoy began to draw away from the enemy. One further ship was lost before the danger was left behind.

SC 122, on much the same route as HX 229, shared a similar fate, being attacked very heavily on the 17th and losing seven ships. In addition H.M.S. "CAMPOBELLO", a Western Isles Trawler, was sunk. On the 19th an eighth ship was lost.

A large number of counter attacks were made by both escorts, several vessels running very short of depth charges. Three attacks are considered "favourable" but there is no certain evidence that any kills were made.

It is of interest to note that both these convoys were routed well south and were most heavily attacked when outside the range of air cover. No Canadian vessels were included in the escort groups.

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3. U.S. Atlantic Coastal Area

While U-boat W/T activity and sightings indicated the presence of a U-boat patrolling off Long Island, there were no attacks on shipping.

4. Adjacent Theatres

There was little U-boat activity in the South Atlantic, Caribbean or Trinidad areas during the week and no ships were torpedoed. A few attacks were made on U-boats and a U.S. aircraft reports straddling a submarine with D.C.'s and watching her break in two. Scattered U-boat attacks in these areas are expected in the next few weeks.

The American Convoy UGS 6 en route New York - Casablanca reported that one ship was sunk on the 4th of March North West of the Azores and on the 15th three more were lost.

The U.S. Submarine "S 32" reports the certain sinking of a U-boat on 14th of March and the probable sinking of another on 16th of March in the Aleutians. A United States Blimp stationed at Tillamook, about 25 mile south of the Columbia River in Oregon, picked up by magnetic detector a target believed to be a U-boat 15 miles north west of Tillamook Head on the 23rd of March. Results were negative.

5. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 23rd March, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March (to 22nd)	479	29	6.1%

V. GENERAL

1. Enlargement of Repair and Refit Facilities at St. John's

B.A.D. has advised Admiralty that by next winter the shortage of repair facilities for Merchant Ships and Warships on the east coast of Canada and Newfoundland will be

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critical. There will be a considerable increase in R.N. Escort Vessels and Merchant Ships on the North Atlantic run which will require servicing. N.S.H.Q., he continues, can only foresee Naval facilities sufficient for their own Escort Forces and facilities in U.S. Ports cannot be counted upon in view of the rapidly increasing number of U.S. Escort Vessels.

A combined British, Canadian and U.S. Committee should therefore meet to examine the problem.

The urgency of proceeding immediately with the further development of St. John's, Newfoundland, as a base for running repairs for escorts and for emergency repairs for Merchant Ships is emphasized in view of the geographical position of that port.

2. Assessment of Attacks on U-boats

In view of the forthcoming change in command relations for the escort of HX, SC and ON Convoys, N.S.H.Q. considers that it would be more satisfactory if all assessments of attacks on U-boats were made by Admiraly instead of Cominch (Commander-in-Chief U.S. Fleet).

VI. WORKS

A. BOOM DEFENCE

Difficulty was experienced during the week in preventing serious damage to the Nets at Bay Bulls, Nfld., when the harbour became completely frozen over from the Boom inward.

It is reported that the nets at Wabana, Nfld., showed considerable damage on being brought to shore and suggestions have been made to remedy this situation.

It is reported from Prince Rupert that a Mooring has been laid for the Examination Vessel in the Skeena River.

Following considerable experimental work with the "B.A.I." Signal, a positive test was carried out recently which proved entirely satisfactory. Work now continues on the development of a Junction Box for making watertight connections between the Rope Units.

B. ANTI-SUBMARINE

The construction of a siding to the main railway line at the French Cable Wharf, Dartmouth, N.S., has been arranged, and the C.N.R. is at present proceeding with this work.

Approval has been obtained for the provision of temporary accommodation for Indicator Loop Control Equipment and personnel at the Canso Fixed Defence Stations.

Specific land sites for A/S Fixed Defences at South and North Canso, N.S., Saint John, N.B., and Vancouver, B.C., are being procured. The procurement of land for the Juan de Fuca installation is being withheld pending consideration of C.O.P.C.'s submission on the subject.

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Work is proceeding satisfactorily at the new A/S School at Deep Brook, N.S. It is expected that the building will be completed within six weeks. An Officer and Staff of A/S.A.'s will supervise and install the equipment.

C. DEGAUSSING

An amendment is being drawn up for the D.G. Specifications for the Algerine Escort Vessels deleting C Coils and enclosing drawing D.G.1. An amendment is also being issued modifying Drawing 5A for Tribal Class Destroyers.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 40.

Gun-mounting has been completed on 1 ship at Esquimalt. Three others are in hand at that port for arming, and 2 at Quebec.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $3,799,637.97.

Distribution

Report of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington (3 copies)
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MERCHANT SHIPPING CASUALTIES

C180261

SECRET Report number 12 for week ending March 22,1943. NS 1048-47-5

(A)
SHIPPING ATTACKED, DAMAGED, OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
89A	"CORNELL" (US Cargo)	4449	Mar.12	28° 52'N 94° 02'W	Two unsuccessful attacks.
90A	"SOUTHERN PRINCESS" (Br. tanker)	12156	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
91A	"NARIVA" (Br. cargo)	8714	Mar.16	50° 38'N 34° 46'W	Torpedoed now in tow.
92A	"JAMES OGLETHORPE" (Am. cargo)	7100	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
93A	"ELIN. K." (Nor. cargo)	5214	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
94A	"WILLIAM EUSTIS" (US. cargo)	7198	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
95A	"HARRY LUCKENBACK" (US. cargo)	6366	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
96A	"ZAANLAND" (Du. cargo)	6813	Mar.16	50° 38'N 34° 46'W	Torpedoed and sunk.
97A	"IRENEE DUPONT" (US. cargo)	6125	Mar.16	51° 45'N 33° 55'W	Torpedoed and sunk.
98A	"KINGSBURY" (Br. cargo)	4898	Mar.17	52° 55'N 32° 20'W	Torpedoed and sunk.
99A	"KING GRUFFYD" (Br. cargo)	5072	Mar.17	52° 20'N 32° 40'W	Torpedoed and sunk.
100A	"ALDERAMIN" (Du. cargo)	7886	Mar.17	52° 25'N 31° 30'W	Torpedoed and sunk.
101A	"FORT CEDAR LAKE" (Br. cargo)	7100	Mar.17	51° 55'N 32° 20'W	Torpedoed and sunk.
102A	"GRANVILLE" (Pa. cargo)	4071	Mar.17	52° 50'N 30° 20'W	Torpedoed and sunk.
103A	"ZOUAVE" (Br. cargo)	4256	Mar.17	52° 20'N 26° 59'W	Torpedoed and sunk.
104A	"PORT AUCKLAND" (Br. cargo)	8789	Mar.17	52° 50'N 28° 20'W	Torpedoed.

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(A) SHIPPING ATTACKED, DAMAGED, OR SUNK BY ENEMY ACTION. (Continued)

	NAME	TONS	TIME	POSITION	DETAILS
105A	"CORACERO" (Br. cargo)	7252	Mar.17	51° 40'N 31° 50'W	Torpedoed and sunk.
106A	"TERKOELEI" (Du. cargo)	5158	Mar.17	51° 30'N 32° 20'W	Torpedoed and sunk
107A	"CANADIAN STAR" (Br. cargo)	8293	Mar.18	53° 35'N 28° 05'W	Torpedoed, survivors picked up.
108A	"WALTER Q. GRESHAN" (US cargo)	7191	Mar.18	53° 35'N 28° 05'W	Torpedoed.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

63A	"THOMAS HOOKER" (Am. cargo)	7176	See report #10 Mar.8/43.	Torpedoed now reported sunk.
65A	"EGYPTIAN" (Br. cargo)	2868	See report #10 Mar.8/43.	Torpedoed now reported sunk.
66A	"GUIDO" (Br. cargo)	3921	See report #10 Mar.8/43.	Torpedoed now reported sunk.
67A	"KATY" (Nor. tanker)	6825	See report #11 Mar.15/43.	Arrived New York 21/3/43 was not torpedoed.
71A	"JAMES K. POLK" (US cargo)	7177	See report #11 Mar.15/43.	This ship arrived safely Port of Spain 17/3, was torpedoed but not sunk as previously reported.
74A	"THOMAS RUFFIN" (Am. cargo)	7191	See report #11 Mar.15/43.	Torpedoed now reported arrived Port of Spain 17/3.
75A	"MARK HANNA" (Am. cargo)	7176	See report #11 Mar.15/43.	Torpedoed now reported arrived Port of Spain 17/3.
87A	"CITIES SERVICE MISSOURI" (Am. tanker)	7506	See report #11 Mar.15/43.	Torpedoed now reported sunk.
88A	"CERES" (Du. cargo)	2680	See report #11 Mar.15/43.	Torpedoed now reported sunk.
77A	"VOJVODA PUTNIK" (Yugo Slav)	5879	See report #11 Mar.15/43.	Torpedoed now reported sunk.
71A	"BRANT COUNTY" (Nor. cargo)	5001	See report #11 Mar.15/43.	Torpedoed now reported sunk.

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(B)
SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and north of the Equator)

60B	"EMPIRE PUMA" (Br. cargo)	7777	Mar.17	50° 10'N 48° 11'W	Caught in ice flow. Arrived St. John's, Nfld. 18/3/43.
61B	"EMPIRE GRANITE" (Br. tanker)	8028	Mar.18	Hudson River, N.Y.	Collision in river.
62B	"SVEND FOYN" (Br. tanker)	14795	Mar.19	58° 05'N 44° 15'W	Struck iceberg.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL	805 ships	4,295,800 tons.
1943					
JANUARY	7 cargo	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	19	6		25	159,611
MARCH (to 22nd)	27	3		30	179,881
TOTAL	53 cargo	12 tankers	TOTAL	65 ships	399,614 tons.

SHIPPING LOST NORTH OF 40°N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL	200 ships	1,159,018 tons.
1943					
JANUARY	1 cargo	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	17	6		23	147,342
MARCH (to 22nd)	24	1		25	149,297
TOTAL	42 cargo	7 tankers	TOTAL	49 ships	311,186 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942					
TOTAL	53 cargo	1 tanker	TOTAL	54 ships	143,263 tons.
1943					
JANUARY	5 cargo	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
MARCH (to 22nd)	1	0		1	7,256
TOTAL	11 cargo	2 tankers	TOTAL	13 ships	50,808 tons.

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SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.

(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING					
Mar. 1st	5 cargo	3 tankers	TOTAL 8 ships	48,067 tons.	
Mar. 8th	4	0	4	21,141	
Mar. 15th	9	2	11	62,075	
Mar. 22nd	14	1	15	96,665	
TOTAL	32 cargo	6 tankers	TOTAL 38 ships	227,948 tons.	

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping lanes	32	0	32	7		7
U.S. Atlantic Seaboard						
Bermuda Area	1		1	1		1
Gulf of Mexico & Caribbean area	4	0	4	1	0	1
Trinidad Area	1	0	1	7		7
TOTAL	38	0	38	15	1	16

NOTE: All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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NOTE: The area covered by this report has been extended to include the West Atlantic north of the equator and west of the eastern limit of the U.S. strategic area. This new boundary runs from the North Pole south on 10° W to 60° N thence on rhumb-line to 57° N 26°W. south on 26° W to 43° N West on 43° to 40° W south on 40° W. to 20° N and thence by rhumb-line to the equator at 21°W. Positions of attacks are tabulated as follows:

(A) Canada-U.K. shipping lanes North of 40° North, East of coastal waters and West of the boundary of the U.S. strategic area.

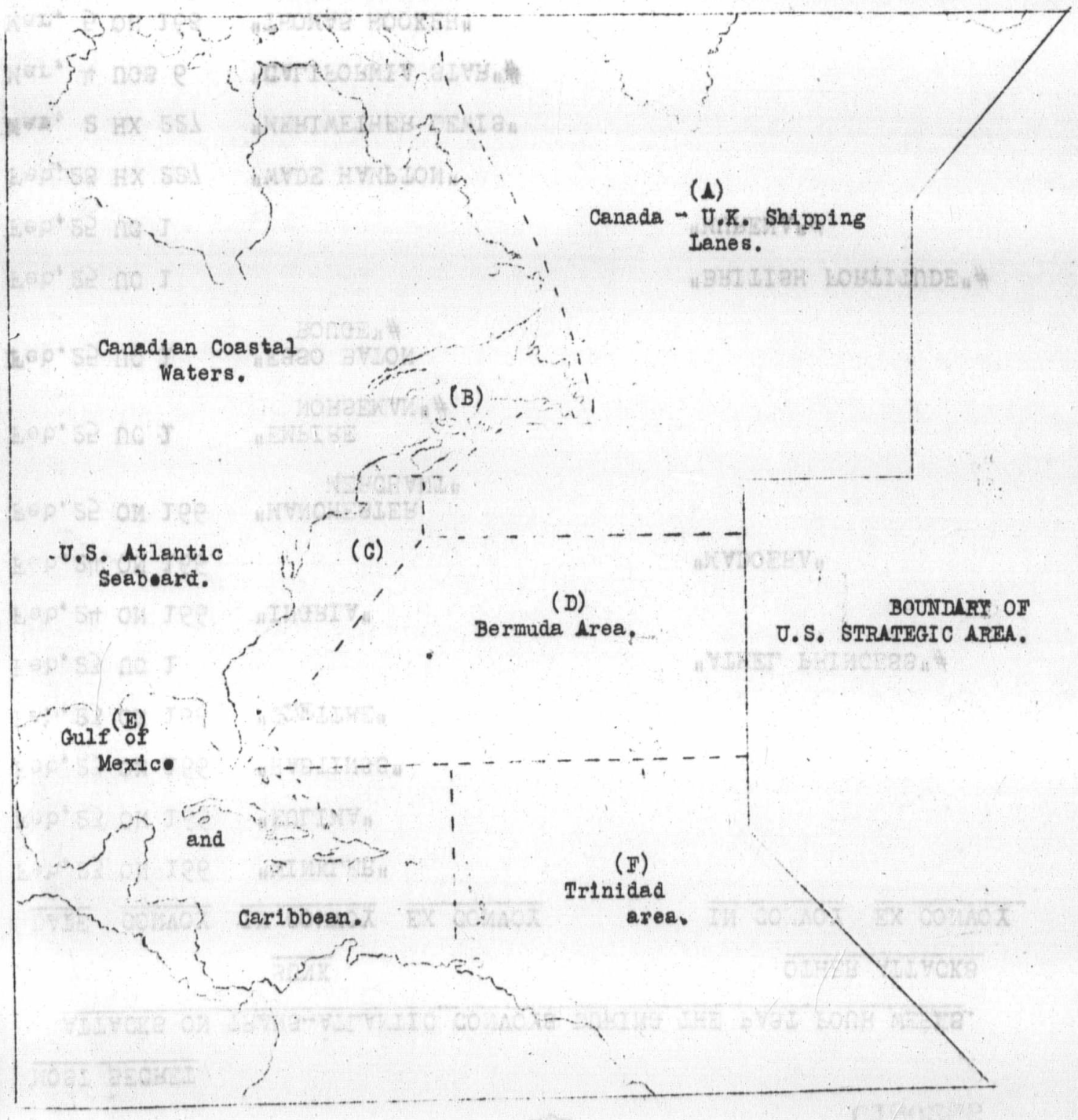
(B) Canadian coastal waters.- The river and Gulf of St. Lawrence and the coastal waters of Canada and Newfoundland.

(C) U.S. Atlantic seaboard south of Canadian waters West of 65°W to 40° N and the rhumb-line joining 40° N 65° W and 25°N 80° W; north of Key West.

(D) Bermuda area. East of (C) between 25° and 40° N and West of 40°W.

(E) Caribbean and Gulf of Mexico South of U.S. south coast to Key West thence south of 25° N to 58°W. West of 58°W.

(F) Trinidad area. East of 58°W between 0° and 25° N West of U.S. strategic area boundary. See sketch map.



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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

DATE	CONVOY	SUNK IN CONVOY	SUNK EX CONVOY	OTHER ATTACKS IN CONVOY	OTHER ATTACKS EX CONVOY
Feb.23	ON 166	"WINKLER"			
Feb.23	ON 166	"EULIMA"			
Feb.23	ON 166	"HASTINGS"			
Feb.23	ON 166	"GATTRE"			
Feb.23	UC 1				"ATHEL PRINCESS"#
Feb.24	ON 166	"INGRIA"			
Feb.24	ON 166				"MADOERA"
Feb.25	ON 166	"MANCHESTER MERCHANT"			
Feb.25	UC 1	"EMPIRE NORSEMAN"#			
Feb.25	UC 1	"ESSO BATON ROUGE"#			
Feb.25	UC 1				"BRITISH FORTITUDE"#
Feb.25	UC 1				"MURENA"#
Feb.28	HX 227	"WADE HAMPTON"			
Mar. 2	HX 227	"MERIWETHER LEWIS"			
Mar. 4	UGS 6	"CALIFORNIA STAR"#			
Mar. 5	ON 168	"THOMAS HOOKER"			
Mar. 7	ON 168				"EMPIRE LIGHT"
Mar. 7	SC 121	"EGYPTIAN"			
Mar. 8	SC 121	"GUIDO"			
Mar. 9	SC 121	"MALANTIC"#			
Mar. 9	SC 121	"ROSEWOOD"#			
Mar. 9	SC 121	"VOJVODA PUTNIK"			
Mar. 9	SC 121				"COULMORE"#
Mar.10	HX 228	"A.F. LUCHENBACH"			
Mar.10	HX 228	"TUCURINCA"			
Mar.10	SC 121	"NAILSEA COURT"#			
Mar.10	SC 121	"BONNEVILLE"#			
Mar.10	HX 228	"W.C. GORGAS"			
Mar.10	HX 228	"LAWTON B. EVANS"			
Mar.10	HX 228	"BRANT COUNTY"			

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.(Cont'd)

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar,11	HX 228			"HENRY WYNKOOP"	
Mar,13	UGS 6			"KEYSTONE"#	
Mar,15	UGS 6	"WYOMING"#			
Mar,16	HX 229	"SOUTHERN PRINCESS"			
Mar,16	HX 229			"NARIVA"	
Mar,16	HX 229	"JAMES OGLETHORPE"			
Mar,16	HX 229	"ELIN K."			
Mar,16	HX 229	"WILLIAM EUSTIS"			
Mar,16	HX 229	"HARRY LUCKENBACK"			
Mar,16	HX 229	"ZAANLAND"			
Mar,16	HX 229	"IRENEE DUPONT"			
Mar,16	HX 229			"BENJAMIN HARRISON"#	
Mar,17	SC 122	"KINGSBURY"			
Mar,17	SC 122	"KING GRUFFYD"			
Mar,17	SC 122	"ALDERAMIN"			
Mar,17	SC 122	"FORT CEDAR LAKE"			
Mar,17	SC 122	"GRANVILLE"			
Mar,17	SC 122	"ZOUAVE"			
Mar,17	SC 122			"PORT AUCKLAND"	
Mar,17	HX 229	"CORACERO"			
Mar,17	HX 229	"TERKOELEI"			
Mar,17	UGS 6			"MOLLY PITCHER"#	
Mar,18	SC 122			"CARRAS"#	
Mar,18	HX 229			"CANADIAN STAR"	
Mar,18	HX 229			"WALTER Q. GRESHAN"	
Mar,19	HX 229			"MATHEW LUCKENBACK"#	

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TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

	SHIPS SUNK		OTHER ATTACKS	
Ships Convoyed	In Convoy	Ex Convoy	In Convoy	Ex Convoy
NOVEMBER 533	18	5	1	
DECEMBER 604	20	2	4	
JANUARY 597	3	-	1	
FEBRUARY 639	25	-	2	
MARCH 479 (to 22nd)	29		9	

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 2nd April, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 178

REPORT NO. 116

-vVv-

I. PERSONNEL

A. ENLISTMENTS:

	Net Change Week Ending 27th March, 1943		Total Strength as of 27th March, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	10	1	628	3395	4023
R.C.N.R.	2	4	942	5011	5953
R.C.N.V.R.	26	483	4550	42438	46988
TOTAL	38	488	6120	50844	56964
LESS DIV. STRENGTH			535	2656	3191
TOTAL ACTIVE SERVICE			5585	48188	53773
W.R.C.N.S.	3	71	77	978	1055
GRAND TOTAL	41	559	5662	49166	54828

B. CASUALTIES

Dorn M. McGAW, A.B., A4318 - Died of injuries (H.M.C.S. "WEYBURN").

Harold E. ELSWORTH, A.B., V24808 - Drowned, 22.3.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	Total
Total wounded or injured	11	148	159
Prisoners of War	4	2	6

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

		Week Ended 27th March 1943			Period from 31st Aug., 1939, to 27th March, 1943		
		Officers	Ratings	TOTAL	Officers	Ratings	TOTAL
1.	Enlistments	40	537	577	5047	53417	58464
2.	Promotions from Lower Deck	0	0	0	1086	-1086	-
		40	537	577	6133	52331	58464
3.	Deductions from Strength						
	Discharges from Active Service:						
	--Medically Unfit	0	22	22	55	1737	1792
	--Desertion	-	3	3	-	144	144
	--Other Reasons	2	13	15	211	1422	1633
	Discharges from Div. Str.	-	9	9	15	955	970
	Casualties:						
	--Killed on Active Service	0	1	1	87	694	781
	--Other Deaths	0	1	1	12	90	102
	Total Deductions	2	49	51	380	5042	5422
4.	Net Increase	38	488	526	5753	47289	53042
5.	Personnel at Beginning of Period	6082	50356	56438	367	3555	3922
6.	PRESENT STRENGTH	6120	50844	56964	6120	50844	56964

W.R.C.N.S.	Officers	Ratings	TOTAL
Enlistments to date	8	1798	1806
Promotions from Lower Deck	70	-70	-
	78	1728	1806
Discharges to date	1	22	23
PRESENT STRENGTH	77	1706	1783

Adjustments: 11 W.R.C.N.S. Enlistments counted in error in previous reports.

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D. DISTRIBUTION OF NAVAL PERSONNEL

1. AFLOAT	OFFICERS	RATINGS	TOTALS
Auxiliary Cruisers	83	613	696
Destroyers	164	2332	2496
Corvettes	502	5385	5887
Frigates	-	-	-
Minesweepers	373	4170	4543
Motor Launches	122	721	843
Base Supply Ships	37	182	219
Patrol Craft & Aux. Vessels	260	2584	2844
On loan to RN	555	885	1440
TOTAL AFLOAT	2096	16872	18968
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	789	6436	7225
Cornwallis	218	3596	3814
Kings	344	248	592
Protector	74	914	988
Captor	50	236	286
Shelburne	30	291	321
Fort Ramsay	24	220	244
Chaleur	25	176	201
Hochelaga	33	96	129
St. Hyacinthe	40	943	983
TOTAL	1627	13156	14783
b. F.O.N.F.			
Avalon	293	2259	2552
c. C.O.P.C.			
Naden	244	4020	4264
Givenchy	199	1680	1879
Royal Roads	22	128	150
Chatham	59	513	572
Vancouver	111	337	448
TOTAL	635	6678	7313
d. C.C.C.S.			
Niobe	74	1093	1167
e. C.O.R.D.	341	6363	6704
f. "SUNDRY"			
BYTOWN	545	623	1168
BYTOWN II	21	572	593
SIGNAL STATIONS		489	489
PORTS & SHIPYARDS		40	40
D.E.M.S. ASHORE		72	72
TOTAL	566	1796	2362
TOTAL ASHORE	3536	31345	34881
SUMMARY			
Total Afloat	2096	16872	18968
Total Ashore			
a) Not under Training	3121	22055	25176
b) Under Training	415	9290	9705
GRAND TOTAL	5632	48217	53849

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 29th March

Launchings : Ships - Nil
Commissionings : Ships - Nil
Local Craft and Auxiliary Vessels - 3

2. Total R.C.N. Vessels in Commission, 29th March

Auxiliary Cruisers	2
Destroyers	14
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	354
T O T A L	552

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 22nd March		Week ended 29th March	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
In Service	166	71.9	173	74.6
Working Up	14	6.1	11	4.7
Boiler Cleaning or Repairs not over 7 days	-	-	-	-
Under Refit or Repairs over 7 days	51	22.0	48	20.7
T O T A L	231	100.0	232	100.0

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 27th March in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent

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noted below, and were included in the escort groups of the Caribbean convoys listed in the table:-

Short Title	Terminal Ports	Week Ended 21st Mar. (Revised)		Week Ended 27th Mar.	
1. Canadian Coastal Convoys					
HF & FH	Halifax/St. John, N.B.	23		21	
SPECIAL	Halifax/St. John, N.B.	2		-	
JH & HJ	Halifax/St. John's, Nfld.	29		13	
SPAB	North Sydney/Port Aux Basques	3		4	
HON	Halifax/New York (via ONS)	4		-	
SPECIAL	Louisburg/Argentia	5		2	
CAPE COD GROUP	Halifax/New York	2		-	
SPECIAL	Halifax/Boston	3		3	
BX & XB	Halifax/Boston	-		71	
SPECIAL	Port Aux Basques/Halifax	-		1	
			71		115

2. Atlantic Convoys

W/e 21/3			W/e 27/3		
WHX	229A	1	WHX	230	1
HX	230	37	HX	231	49
HHX	230	9	HHX	231	16
SC	123	32	HSC	124	11
HSC	123	17	WSC	124	3
WSC	123	1	ON	174	42
SC	124	24	ON	175	40
ON	173	39			
ONS	1	34			
ONSJ	1	8			
		202		162	202 / 162
			TOTAL		273 / 277

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: SC 124, ON 174, and ON 175. HX 231 not yet designated.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	269,760	476,666
Atlantic Convoys	1,222,396	1,082,993
TOTAL	1,492,156	1,559,659

4. R.C.N. Ships on Loan - Mediterranean Area

The work of the R.C.N. Ships in the Mediterranean during the week included the following:

(1) H.M.C.S. "CHAMBLY", "DRUMHELLER" and "MORDEN" participated in the local escort of Convoy KMS 11.

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(2) H.M.C.S. "CHAMBLY", "DRUMHELIER" and "MORDEN" participated in the local escort of Convoy MKS 10.

(3) H.M.S. "NASTURTIUM" and H.M.C.S. "ALGOMA" participated in the local escort of Convoy MKF 11.

5. Ships Transferred from the R.N.

It is anticipated that the 4 R.N. destroyers being transferred to the R.C.N. will be placed in service on the following dates: "GRIFFIN" on 3rd May, "DECOY" on 10th May, "FORTUNE" on June 21st, and "EMPRESS" on June 28th. N.S.H.Q. proposes to employ these four destroyers in Canadian Mid-Ocean Escort Groups.

Transfer of Command

Admiral Brainard, U.S.N. Commander of Task Force 24, will continue duties at Newfoundland until 30th April when he will hand over to Rear-Admiral Murray. As from the 1st of April, the latter will assume the title of "C-in-C, Canadian North West Atlantic" (Short Title "C-in-C CNWA"). The title C.O.A.C. will thus lapse. The title of N.O.i/c Halifax will in future be "Commodore Halifax" (Short Title "C. Halifax").

Support Forces

Five R.N. Support Forces are now being formed for operation along North Atlantic convoy routes and are composed of Sloops, Frigates, Destroyers and an escort carrier. They will be used to re-inforce escorts of threatened convoys. The first of these seems already to have proved its work in duty with HX 230 which was seriously threatened.

Return of R.C.N. Corvettes

The following words of appreciation have been forwarded by the Commander Eastern Sea Frontier to the Commanding Officers of the six H.M.C. Corvettes ("OAKVILLE", "FREDERICTON", "HALIFAX", "LETHBRIDGE" and "SNOWBERRY") upon their return from duty with New York - Trinidad Convoys to the Canadian Local Escort Force:-

"1. Upon termination of your assignment with this command, the Commander Eastern Sea Frontier wishes to express appreciation for duty well done.

2. The work of your ship has been an important factor in maintaining escort security in this Frontier. In all of this an excellent spirit of cooperation and teamwork has been displayed.

3. The Commander Eastern Sea Frontier extends to you and to your ship's company his best wishes for continued success."

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IV. U-BOAT ACTIVITY

1. Canadian Coastal Waters

There is no activity in this area to report this week.

2. North Atlantic Area

There has been only one sinking in this area during the past week, a straggler from HX 230 being torpedoed. This convoy was seriously threatened but was re-inforced by the 3rd Support Force consisting of 6 destroyers, and the expected attack failed to develop.

SC 123 was also in grave danger but was successfully diverted. In addition it was covered by the U.S. A.C.V. group of "BOGUE" and two tenders.

It is noteworthy that after the disastrous attacks on SC 122 and HX 229 which were given a southerly routing, all routings have been well to the North, with good results.

3. U.S. Atlantic Coastal Area

There was no activity worthy of note in this area.

4. Adjacent Areas

While a number of attacks on U-boats were carried out in the Trinidad area during the week, no interesting results are reported. No ships were attacked.

In the North America - North African sea lanes there was little U-boat activity. The combined L.S.T. and L.C.I (L) convoy arrived Gibraltar safely.

5. Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 30th March, 1943, are as follows:-

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%

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V. WORKS

A. BOOM DEFENCE

Installation of the new mesh net at Halifax is proceeding.

Now that the ice has gone out, the nets at Bay Bulls are being completed.

B. DEGAUSSING

C.O.A.C. has been authorized to fit additional and modify the existing coils in the twelve Bangor Minesweepers fitted or being fitted for LL Minesweepers.

C. TECHNICAL DIVISION

Experimental work in collaboration with N.R.C. is to be conducted in synthetic insulated cables under continuous water immersion at elevated pressures. Recommendations which will result in additional savings in crude rubber have been made and adopted.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 68.

Six ships are in hand for arming at Esquimalt.

E. NAVAL ORDNANCE

An order has been placed for the manufacture in Canada of 643 Twin Power Worked Mountings for Oerlikon guns, the production of which is to commence immediately and it is hoped that first deliveries will be made in sufficient time to have these equipments in supply for the first Frigates to be commissioned. The guns to match these mountings are being obtained from the United States of America and the order for these has also been placed.

In order to carry out experimental trials with mousetrap throwers two of these weapons have been ordered from the United States together with a small quantity of ammunition.

The total orders for Armament Stores placed during the month of March including those mentioned above, 12-pdr., 12 cwt., cartridges and Shells, Y guns for Fairmiles, amount to $17,234,000.00.

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F. STORES

The equipment purchased by the Naval Stores amounted this week to $27,897,130.39.

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MERCHANT SHIPPING CASUALTIES

C180278

SECRET Report number 13 for week ending March 29,1943. NS 1048-47-5

(A)
SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. strategic area and north of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
109A	"RICHARD BLAND" (Am. cargo)	7191	Mar.5	25 miles N.E. of Langarees, Iceland.	Torpedoed.
110A	"FORT LAMY" (Br. cargo)	5242	Mar.8	58° 21'N 31° 08'W (approx)	Torpedoed and sunk.
111A	"EL MUNDO" (Pa. cargo)	6008	Mar.18	53° 35'N 28° 05'W (approx)	Torpedoed and sinking.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

39A	"EMPIRE BRUCE" (Br. cargo)	7459	See report #6 Feb.8/43.	Reported attacked now arrived Buenos Aires, 6/3/43.
70A	"JAMES SMITH" (U.S. cargo)	7181	See report #11 Mar.15/43.	This ship arrived safely Port of Spain 17/3, was torpedoed but not sunk as previously reported.
73A	"TABITHA BROWN" (U.S. cargo)	7176	See report #11 Mar.15/43.	Reported torpedoed now arrived. Paramaribo 12/3/43.
80A	"W.C. GORGAS"	7176	See report #11 Mar.15/43.	Tonnage wrongly reported as 4636 should be 7176.
86A	"HENRY WYNKOOP" (Am. cargo)	7176	See report #11 Mar.15/43.	Reported torpedoed now arrived Paramaribo 12/3/43.
104A	"PORT AUCKLAND" (Br. cargo)	8789	See report #12 Mar.22/43.	Reported torpedoed, now sunk.
108A	"WALTER Q. GRESHAM" (U.S. cargo)	7191	See report #12 Mar.22/43.	Reported torpedoed, now sunk.

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(B) SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. strategic area and north of the Equator).

63B	"JULIA LUCKENBACK" (U.S. cargo)	5976	Mar.22	49° 09'N 50° 18'W	Stuck in icefield. Now reported arrived St. John's, Nfld.
64B	"BARON BELHAVEN" (Br. cargo)	6591	Mar.25	53° 20'N 43° 10'W	Broken down.
65B	"CAPE HENLOPEN" (Am. cargo)	5094	Mar.27	36° 58'N 75° 25'W	Damaged in collision.
66B	"BOSKOOP" (Du. cargo)	5620	Mar.29	43° 10'N 65° 16'W	Damaged in collision with "BALFE".
67B	"BALFE" (Br. cargo)	5369	Mar.29	43° 10'N 65° 16'W	Damaged in collision with "BOSKOOP".

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

62B	"SVEND FOYN" (Br. tanker)	14795	See report #12 Mar.22/43.	Reported-struck iceberg--now sunk.

SUMMARY OF MERCHANT SHIPPING LOSSES DUE TO ENEMY ACTION.

(North of the Equator in U.S. Strategic area)

1942

JANUARY	24 cargo &	16 tankers	TOTAL	40 ships	233,508 tons.
FEBRUARY	39	25		64	365,791
MARCH	43	37		80	487,428
APRIL	37	22		59	347,618
MAY	88	31		119	588,539
JUNE	90	23		113	573,370
JULY	48	7		55	228,866
AUGUST	64	16		80	412,614
SEPTEMBER	49	12		61	283,808
OCTOBER	38	7		45	280,113
NOVEMBER	51	5		56	309,562
DECEMBER	28	4		32	180,190
TOTAL	599 cargo &	205 tankers	TOTAL	804 ships	4,291,326 tons.

1943

JANUARY	7 cargo &	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	19	6		25	159,611
MARCH (to 29)	28	3		31	189,265
TOTAL	54 cargo &	12 tankers	TOTAL	66 ships	408,998 tons.

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SHIPPING LOST NORTH OF 40° N. WITHIN U.S. STRATEGIC AREA.
(Included in above totals)

1942					
JANUARY	10 cargo &	10 tankers	TOTAL	20ships	116,999 tons.
FEBRUARY	7	4		11	68,935
MARCH	4	2		6	40,895
APRIL	6	0		6	27,684
MAY	12	1		13	62,154
JUNE	10	0		10	65,503
JULY	10	0		10	41,841
AUGUST	25	1		26	140,600
SEPTEMBER	22	8		30	159,802
OCTOBER	17	7		24	168,940
NOVEMBER	21	1		22	133,415
DECEMBER	17	4		21	127,776
TOTAL	161 cargo &	38 tankers	TOTAL	199ships	1,154,544 tons.
1943					
JANUARY	1 cargo &	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	17	6		23	147,342
MARCH (to 29th)	25	1		26	161,840
TOTAL	43 cargo &	7 tankers	TOTAL	50 ships	323,729 tons.

SHIPPING LOST DUE TO GROUNDING AND COLLISION.

1942					
JANUARY	2 cargo &	0 tankers	TOTAL	2 ships	9,918 tons.
FEBRUARY	4	1		5	22,145
MARCH	3	0		3	11,701
APRIL	5	0		5	17,731
MAY	5	0		5	17,840
JUNE	4	0		4	5,660
JULY	5	0		5	11,393
AUGUST	3	0		3	7,282
SEPTEMBER	2	0		2	4,634
OCTOBER	6	0		6	13,921
NOVEMBER	6	0		6	6,110
DECEMBER	8	0		8	14,928
TOTAL	53 cargo &	1 tankers	TOTAL	54 ships	143,263 tons.
1943					
JANUARY	5 cargo &	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
MARCH (to 29th)	1	1		2	22,051
TOTAL	11 cargo &	3 tankers	TOTAL	14 ships	65,603 tons.

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AVERAGE WEEKLY LOSSES.

(A) In 1942.

15.4 ships per week.
5,337 tons per ship.
79,469 tons per week.

(B) During the past 10 weeks.

5.4 ships per week.
6,295 tons per ship.
33,995 tons per week.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.

(In U.S. Strategic area North of 0°
(Subject to revision)

WEEK ENDING.				
Mar. 8th	5 cargo	0 tankers	TOTAL 5 ships	26,383 tons.
Mar. 15th	8	2	10	57,428
Mar. 22nd	15	1	16	105,454
Mar. 29th	0	0	0	00,000
TOTAL	28 cargo	3 tankers	TOTAL 31 ships	189,265 tons.

AREA IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping lanes.	26	0	26	8	0	8
U.S. Atlantic Seaboard.	0	0	0	0	0	0
Bermuda Area.	0	0	0	0	1	1
Gulf of Mexico & Caribbean Area.	4	0	4	1	0	1
Trinidad Area	1	0	1	7	0	7
TOTAL	31	0	31	16	1	17

NOTE:

All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar, 2	HX 227	"MERIWETHER LEWIS"			
Mar, 5	ON 168	"THOMAS HOOKER"			
Mar, 7	ON 168			"EMPIRE LIGHT"	
Mar, 7	SC 121	"EGYPTIAN"			
Mar, 8	SC 121	"GUIDO"			
Mar, 8	SC 121	"FORT LAMY"			
Mar, 9	SC 121	"MALANTIC"#			
Mar, 9	SC 121	"ROSEWOOD"#			
Mar, 9	SC 121	"VOJVODA PUTNIK"			
Mar, 9	SC 121			"COULMORE"#	
Mar,10	HX 228	"A.F. LUCKENBACH"			
Mar,10	HX 228	"TUCURINCA"			
Mar,10	SC 121	"NAILSEA COURT"#			
Mar,10	SC 121	"BONNEVILLE"#			
Mar,10	HX 228	"W.C. GORGAS"			
Mar,10	HX 228			"LAWTON B. EVANS"	
Mar,10	HX 228	"BRANT COUNTY"			
Mar,11	HX 228			"HENRY WYNKOOP"	
Mar,13	UGS 6			"KEYSTONE"#	
Mar,15	UGS 6	"WYOMING"#			
Mar,16	HX 229	"SOUTHERN PRINCESS"			
Mar,16	HX 229			"NARIVA"	
Mar,16	HX 229	"JAMES OGLETHORPE"			
Man,16	HX 229	"ELIN K."			
Mar,16	HX 229	"WILLIAM EUSTIS"			
Mar.16	HX 229	"HARRY LUCKENBACK"			
Mar.16	HX 229	"ZAANLAND"			
Mar,16	HX 229	"IRENEE DUPONT"			
Mar.16	UGS 6			"BENJAMIN HARRISON"#	

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS. (Cont'd)

DATE	CONVOY	SUNK IN CONVOY	SUNK EX CONVOY	OTHER ATTACKS IN CONVOY	OTHER ATTACKS EX CONVOY
Mar,17	SC 122	"KINGSBURY"			
Mar,17	SC 122	"KING GRUFFYD"			
Mar,17	SC 122	"ALDERAMIN"			
Mar,17	SC 122	"FORT CEDAR LAKE"			
Mar,17	SC 122	"GRANVILLE"			
Mar,17	SC 122	"ZOUAVE"			
Mar,17	SC 122	"PORT AUCKLAND"			
Mar,17	HX 229	"CORACERO"			
Mar,17	HX 229	"TERKOELEI"			
Mar,17	UGS 6			"MOLLY PITCHER"#	
Mar.18	SC 122	"CARRAS"#			
Mar.18	HX 229			"CANADIAN STAR"	
Mar,18	HX 229			"WALTER Q. GRESHAN"	
Mar,18	HX 229			"EL MUNDO"	
Mar.19	HX 229			"MATHEW LUCKENBACK"#	

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

	SHIPS SUNK			OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	
DECEMBER	604	20	2	4	
JANUARY	597	3	1	1	
FEBRUARY	639	25	-	2	
MARCH (to 29th)	640	35	-	9	6

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 9th April, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 179

REPORT NO. 117

-vVv-

I. PERSONNEL

A. PRESENT STRENTH

TOTAL STRENGTH

	Net Change Week Ending 3rd April, 1943		Total Strength as of 3rd April, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	9	-3	637	3395	4032
R.C.N.R.	2	-3	944	5009	5953
R.C.N.V.R.	18	545	4568	42985	47553
Total	29	540	6149	51389	57538
W.R.C.N.S.	0	129	77	1835	1912
TOTAL STRENGTH	29	669	6226	53224	59450

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	528	2667	3195
WRCNS PERSONNEL	0	768	768
Total	528	3435	3963
TOTAL ACTIVE SERVICE STRENGTH	5698	49789	55487

B. CASUALTIES

William B. JOHNSON, Able Seaman, 4708 - Missing on Active Service 28.3.43.

John V. SCHILLER, Able Seaman, V12434 - Missing on Active Service 20.3.43.

Frederick TARASOFF, Able Seaman, V11626 - Missing on Active Service 20.3.43.

Thomas YOUNG, Able Seaman, V9406 - Injured back, head and nose.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	Total
Total wounded or Injured	11	149	160
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 3rd April, 1943			Period from 31st Aug., 1939, to 3rd April, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	18	592	610	5065	54009	59074
2. Promotions from Lower Deck	14	-14	-	1100	-1100	-
	32	578	610	6165	52909	59074
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	2	9	11	57	1746	1803
--Desertion	-	-3	-3	-	141	141
--Other Reasons	1	15	16	212	1437	1649
Discharges from Div. Str.	-	9	9	15	964	979
Casualties:						
--Killed on Active Service	0	3	3	87	697	784
--Other Deaths	0	0	0	12	90	102
Total Deductions	3	33	36	383	5075	5458
4. Net Increase	29	545	574	5782	47834	53616
5. Personnel at Beginning of Period	6120	50844	56964	367	3555	3922
6. PRESENT STRENGTH	6149	51389	57538	6149	51389	57538

W.R.C.N.S. PERSONNEL

7. Enlistments to date	8	1936	1944
8. Promotions from Lower Deck	70	-70	-
	78	1866	1944
9. Discharges to date	1	31	32
10. PRESENT STRENGTH	77	1835	1912
11. TOTAL PRESENT STRENGTH (6 and 10)	6226	53224	59450

Adjustments: 3 R.C.N. and 2 R.C.N.V.R. ratings recovered from desertion.
1 R.C.N.R. rating promoted to commissioned rank in R.C.N.V.R.

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D. DISTRIBUTION OF NAVAL PERSONNEL

1. AFLOAT	OFFICERS	RATINGS	TOTALS
Auxiliary Cruisers	76	609	685
Destroyers	176	2339	2515
Corvettes	479	5407	5886
Frigates	-	-	-
Minesweepers	430	4183	4613
Motor Launches	129	722	851
Base Supply Ships	37	179	216
Patrol Craft & Aux. Vessels	256	2570	2826
On loan to RN	561	901	1462
TOTAL AFLOAT	2144	16910	19054
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	817	6460	7277
Cornwallis	239	3799	4038
Kings	259	248	507
Protector	87	878	965
Captor	50	233	283
Shelburne	30	294	324
Fort Ramsay	36	231	267
Chaleur	36	179	215
Hochelaga	36	187	223
St. Hyacinthe	41	1017	1058
TOTAL	1631	13526	15157
b. F.O.N.F.			
Avalon	287	2214	2501
c. C.O.P.C.			
Naden	240	3953	4193
Givenchy	200	1651	1851
Royal Roads	22	130	152
Chatham	67	502	569
Vancouver	112	332	444
TOTAL	641	6568	7209
d. C.C.C.S.			
Niobe	73	1145	1218
e. C.O.R.D.	357	6434	6791
f. "SUNDRY"			
BYTOWN	560	615	1175
BYTOWN II	23	611	634
SIGNAL STATIONS		487	487
PORTS & SHIPYARDS		46	46
D.E.M.S. ASHORE		78	78
MISCELLANEOUS ASHORE		159	159
TOTAL	583	1996	2579
TOTAL ASHORE	3572	31883	35455
SUMMARY			
Total Afloat	2144	16910	19054
Total Ashore			
a) Not under Training	3157	22593	25750
b) Under Training	415	9290	9705
GRAND TOTAL	5716	48793	54509

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 5th April

Launchings : Ships - 1 - H.M.C. Wooden Minesweeper "DAERWOOD"

Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 5

2. Total R.C.N. Vessels in Commission, 5th April

Destroyers	14
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	359
T O T A L	555

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 29th March		Week ended 5th April	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	173	78.3	170	77.6
Refitting or Repairing over 7 days	48	21.7	49	22.4
	221	100.0	219	100.0
New Construction Working Up	11		11	

NOTE: "Ready for Service" includes ships boiler cleaning or repairing, not over 7 days.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 3rd April in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible

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for the protection of trans-Atlantic convoys to the extent noted below:-

	Short Title	Terminal Ports	Week Ended 27th Mar. (Revised)	Week Ended 3rd Apr.
1.	**Canadian Coastal Convoys**			
	HF & FH	Halifax/St. John, N.B.	21	24
	JH & HJ	Halifax/St. John's, Nfld.	13	20
	SPAB	Louisburg/Port aux Basques	4	3
	SPECIAL	Louisburg/Argentia	2	4
	SPECIAL	Halifax/Boston	3	1
	BX & XB	Halifax/Boston	71	44
	SPECIAL	Port aux Basques/Halifax	1	-
	SH & HS	Sydney/Halifax	-	2
			115	98

2. **Atlantic Convoys**

	W/e 27/3			W/e 3/4		
WHX	230	1	WHX	231	4	
HX	231	49	SC	125	37	
HHX	231	16	WSC	125	2	
HSC	124	11	ON	176	45	
WSC	124	3	ONJ	176	3	
ON	174	42				
ON	175	40				
		162			91	162 / 91
			T O T A L			277 / 189

Canadian Groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: SC 124, ON 174, ON 175.

3. **Gross Tonnage of Ships Convoyed**

Canadian Coastal Convoys	476,666	503,946
Atlantic Convoys	1,082,993	548,056
T O T A L	1,559,659	1,052,002

4. **A.M.C.'s**

In view of the removal of armament and their conversion to L.S.I. (M), H.M.C. Ships "PRINCE DAVID" and "PRINCE HENRY" are to be paid off. "PRINCE ROBERT" will complete her re-arming about June 1st and should be ready for service some six weeks later, after working up.

M.L. Striking Force

It is intended to base the four flotillas of the Gulf Striking Force initially at Sydney and later transfer them to Gaspe or elsewhere when conditions render it advisable.

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Revised Chop Line

The revised Chop Line in the North Atlantic runs from the Coast of Greenland at 60° 50' N 47° 00' W, along the latter meridian to 29° N then to 00° 35' N 26° 00' W and along the meridian of 26° W to the South Pole.

The R.C.N. will have operational control in the area west of the new Chop Line in the North Atlantic convoy area and Admiralty east thereof. This revision gives C. in C. W.A. virtual control in the North Atlantic.

A.N.D. Ships

Of 9 ships attacked, with nets streaming, 3 were undamaged and 3 were damaged but saved. Two torpedoes exploded in nets, three were stopped by nets without detonating, two struck forward of the net and two penetrated the net.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Area

Once again there has been little activity in this area.

2. North Atlantic Zone

Although there has been the usual heavy concentration of U-boats in the Atlantic, little has been accomplished by them. They have been stationed largely in the zone not covered from the air, an area which has been avoided by the convoys. U-boat activity mainly centred around HX 231 from which 3 ships were sunk. The attack on HX 231 could have been very serious. However, the air coverage was very good and it appears that an excellent fight was put up by the escorts who had been strengthened by the 4th Support Group.

3. U.S. Atlantic Coastal Area

There has been little activity in this area.

4. Adjacent Areas

Caribbean:

Following the sightings reported during the past few weeks, attacks have developed and in the past week 3 ships have been sunk. There has been an increase in sightings and attacks on an increasing scale are anticipated.

Gibraltar:

While there were attacks and some sinkings in the United Kingdom - Gibraltar Convoy lanes, the U.S. - Gibralter convoys arrived safely.

Curacao:

The first Curacao - United Kingdom (direct) tanker convoy (C-U1) has arrived safely in England. The institution of this route was decided upon in order to relieve the serious oil situation which had arisen in the United Kingdom. The arrival without loss of the first convoy is the cause of considerable satisfaction.

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Aleutians:

A United States Force, consisting of one Heavy Cruiser, one Light Cruiser and 4 Destroyers, sighted a Japanese Force of 2 Heavy Cruisers, 2 Light Cruisers, 4 Destroyers and 2 Transports about 137 miles west of Attu at 1803/26th of March. The enemy was engaged a half hour later and after three hours contact was lost. One Japanese Heavy Cruiser was reported to have been hit and damaged by gun-fire and probably by a torpedo. One Light Cruiser was also considered to have been hit by gun-fire. Some damage was sustained by the United States Ships. At first, it was suspected that another Task Force was in the vicinity with Carriers and Transports. Earlier reports of U-boat sightings in Pacific Coastal waters appeared to indicate that reconnaissance was being made prior to a coastal assault. Subsequent air search, however, proved negative.

Reports support the conclusion that the enemy is making a strong effort to reinforce his positions in this area. Photographs taken of Holtz Bay, Attu, show a clear strip 375 feet by 3,500 feet which may indicate the construction of a landing strip. However, Allied air attacks on camps and installations at Kiska have been accelerated with improved weather conditions and many hits have been scored.

5. Losses sustained during recent months by convoys operating between North America and U.K. on the basis of information received up to 5th April, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April (to 5th)	50	1	2.0%

V. WORKS

A. BOOM DEFENCE

During the week a considerable quantity of Boom Defence material was received at Halifax and despatched.

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Shipping of materials was also carried out from Sydney to Louisburg, en route to Wabana.

The positions of Roller Fairleads have been established in preparation for operating Double Line Gate at Esquimalt.

B. DEGAUSSING

Delivery of certain items of equipment necessary to permanent degaussing installation in Single Screw Corvettes (in service) should commence about the middle of April.

Further amendments have been made to specifications for 9,300 Ton Cargo Vessels in order that they might be applicable to Victory Ships.

As suggested by C.O.P.C., trot buoys are to be placed in Vancouver Harbour for deperming purposes, thus enabling ships undergoing deperming to be held on an East West Course.

At the request of the A.N.D. Division of the British Admiralty Delegation, a D.G. low voltage generator has been placed at the disposal of the Admiralty Net Defence Officer, Halifax.

C. ANTI-SUBMARINE

Upon review of the Juan de Fuca Fixed Defence project, Naval Staff instructed that a joint U.S.N.-R.C.N. recommendation be obtained through C.O.P.C.

The railroad siding required by the A/S Fixed Defence maintenance base Halifax, N.S., has been completed.

Approval has been obtained to construct sufficient A/S virtual targets for R.C.N. A/S commitments.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 42.

Gun mounting was completed on 7 ships, and 4 others are in hand, being stiffened for 12 Pdr. guns.

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E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,722,960.72.

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MERCHANT SHIPPING CASUALTIES

C180293

SECRET Report number 14 for week ending April 5,1943. NS 1048-47-5

(A) SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
112A	"MIQUEL de LARRINAGA" (Br. cargo)	5231	Mar.9	58° 08'N 33° 53'W	One unsuccessful attack.
113A	"LYSEFJORD" (Nor.cargo)	1091	Apr.1	23° 09'N 83° 24'W	Torpedoed and sunk.
114A	"GULF STATE" (Am. tanker)	6882	Apr.3	24° 26'N 80° 18'W	Torpedoed and sunk.
115A	"SUNOIL" (Am. tanker)	9008	Apr.5	56° 38'N 36° 51'W	Attacked.
116A	"SHILONG" (Br. cargo)	5529	Apr.5	57° 10'N 35° 30'W	Torpedoed and sunk.
117A	"WAROONGA" (Br. cargo)	9365	Apr.5	57° 10'N 35° 30'W	Torpedoed.
118A	"BLITAR" (Du. cargo)	7065	Apr.5	56° 46'N 30° 45'W	Attacked.
119A	"BRITISH ARDOUR" (Br, tanker)	7124	Apr.5	58° 08'N 32° 50'W	Torpedoed and sinking.

(A) FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

84A	"OLANCHO" (Ho. cargo)	2493	See report #11, Mar.15/43.	Reported torpedoed, now presumed sunk.
91A	"NARIVA" (Br. cargo)	8714	See report #12, Mar.22/43.	Reported torpedoed and being towed, now sunk.
107A	"CANADIAN STAR" (Br. cargo)	8293	See report #12, Mar.22/43.	Reported torpedoed, now sunk.
111A	"EL MUNDO" (Pa. cargo)	6008	See report #13, Mar.29/43.	Reported torpedoed and sinking,. Now arrived Oversay 23/3/43.

(B) SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

68B	"FOREST" (Br.cargo)	4998	Apr.1	63° 11'N 26° 55'W	Lost her rudder.
69B	"KINGSLEY" (Br. cargo)	2422	Apr.2	off main ship channel Key West.	Ran aground, now arrived Matanzas, Cuba 4/4.

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(B) FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

64B	"BARON BELHAVEN" (Br. cargo)	6591	See report #13, Mar. 29/43.	Reported to have engine trouble. Now arrived safely.
65B	"CAPE HENLOPEN" (Br. cargo)	5094	See report #13, Mar. 29/43.	Reported damaged in collision. Now arrived safely Norfolk 30/3.
66B	"BOSKOOP" (Du. cargo)	5620	See report #13, Mar. 29/43.	Reported in collision with "BALFE", now arrived safely Shelbourne 29/3.
67B	"BALFE" (Br. cargo)	5369	See report #13, Mar. 29/43.	Reported in collision with "BOSKOOP", now arrived Halifax.

(P) MERCHANT SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES IN PACIFIC COASTAL AREA.

15P	"LAMUT" (Ru. cargo)	2694	Apr.1	47° 52'N 124° 36'W		Ran aground.
16P	"UZBEKSITAN" (Ru. cargo)	3039	Apr.1	48° 44'N 125° 04'W		Ran aground.
17P	"KRASNY OKTYABR" (Ru. cargo)	3295	Apr.1			Stranded on Thin Point.
18P	"TOPILA" (U.S. tanker)	5125	Apr.1	N.W. coast of U.S.		Ran aground.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL	805 ships	4,295,800 tons.
1943					
JANUARY	7 cargo	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	19	6		25	159,611
MARCH	32	3		35	215,956
APRIL (to 5th)	2	1		3	13,502
TOTAL	60 cargo	13 tankers	TOTAL	73 ships	449,191 tons

SHIPPING LOST NORTH OF 40°N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL	200 ships	1,159,018 tons.
1943					
JANUARY	1 cargo	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	17	6		23	147,342
MARCH	28	1		29	186,038
APRIL (to 5th)	1	0		1	5,529
TOTAL	47 cargo	7 tankers	TOTAL	54 ships	353,456 tons.

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SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY	5	0	5	15,163
MARCH	1	1	2	22,051
APRIL (to 5th)	0	0	0	00,000
TOTAL	11 cargo	3 tankers	TOTAL 14 ships	65,603 tons,

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING				
Mar. 15th	9 cargo	2 tankers	TOTAL 11 ships	59,921 tons.
Mar. 22nd	18	1	19	129,652
Mar. 29th	0	0	0	00,000
Apr. 5th	2	1	3	13,502
TOTAL	29 cargo	4 tankers	TOTAL 33 ships	203,075 tons.

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	25	0	25	8	0	8
U.S. Atlantic Seaboard.	0	0	0	0	0	0
Bermuda Area.	0	0	0	0	0	0
Gulf of Mexico & Caribbean Area.	7	0	7	1	0	1
Trinidad Area.	1	0	1	7	0	7
TOTAL	33	0	33	16	0	16

NOTE;

All information contained in this report is secret, for official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar, 9	SC 121	"MALANTIC"#			
Mar, 9	SC 121	"ROSEWOOD"#			
Mar, 9	SC 121	"VOJVODA PUTNIK"			
Mar, 9	SC 121			"COULMORE"#	
Mar, 9	SC 121			"MIQUEL DE LARRINAGA"	
Mar,10	SC 228	"A.F. LUCKENBACH"			
Mar,10	HX 228	"TUCURINCA"			
Mar,10	SC 121	"NAILSEA COURT"#			
Mar,10	SC 121	"BONNEVILLE"#			
Mar,10	HX 228	"W.C. GORGAS"			
Mar,10	HX 228			"LAWTON B. EVANS"	
Mar,10	HX 228	"BRANT COUNTY"			
Mar,11	HX 228			"HENRY WYNKOOP"	
Mar,13	UGS 6	"KEYSTONE"#			
Mar,15	UGS 6	"WYOMING"#			
Mar,16	HX 229	"SOUTHERN PRINCESS"			
Mar,16	HX 229	"NARIVA"			
Mar,16	HX 229	"JAMES OGLETHORPE"			
Mar,16	HX 229	"ELIN K."			
Mar,16	HX 229	"WILLIAM EUSTIS"			
Mar,16	HX 229	"HARRY LUCKENBACH"			
Mar,16	HX 229	"ZAANLAND"			
Mar,16	HX 229	"IRENEE DUPONT"			
Mar,16	UGS 6	"BENJAMIN HARRISON"#			
Mar,17	SC 122	"KINGSBURY"			
Mar,17	SC 122	"KING GRUFFYD"			
Mar,17	SC 122	"ALDERAMIN"			
Mar,17	SC 122	"FORT CEDAR LAKE"			
Mar,17	SC 122	"GRANVILLE"			
Mar,17	SC 122	"ZOUAVE"			

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS. (Cont'd)

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar.17	SC 122	"PORT AUCKLAND"			
Mar.17	HX 229	"CORACERO"			
Mar.17	HX 229	"TERKOELEI"			
Mar.17	UGS 6			"MOLLY PITCHER"#	
Mar.18	SC 122	"CARRAS"#			
Mar.18	HX 229	"CANADIAN STAR"			
Mar.18	HX 229	"WALTER Q. GRESHAN"			
Mar.18	HX 229			"EL MUNDO"	
Mar.19	HX 229	"MATHEW LUCKENBACH"#			
Apr. 5	HX 231			"SUNOIL"	
Apr. 5	HX 231	"SHILLONG"			
Apr. 5	HX 231			"BLITAR"	
Apr. 5	HX 231			"WAROONGA"	

# Indicates attack outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

	SHIPS SUNK			OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	25	-	2	-
MARCH	681	35	-	7	-
APRIL (to 5th)	50	1	-	4	-

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 16th April, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 180

REPORT NO. 118

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 10th April, 1943		Total Strength as of 10th April, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	4	2	641	3397	4038
R.C.N.R.	6	-1	950	5008	5958
R.C.N.V.R.	12	554	4580	43539	48119
Total	22	555	6171	51944	58115
W.R.C.N.S.	12	87	89	1922	2011
TOTAL STRENGTH	34	642	6260	53866	60126

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	516	2870	3386
WRCNS PERSONNEL	0	793	793
Total	516	3663	4179
TOTAL ACTIVE SERVICE STRENGTH	5744	50203	55947

B. CASUALTIES

Theodore J. LATREILLE, Sto. I, V22822, died of natural causes, 25.3.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	Total
Total wounded or injured	11	149	160
Prisoners of War	4	2	6

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C. PERSONNEL TURNOVER

RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 10th April, 1943			Period from 31st Aug., 1939, to 10th April, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	14	593	607	5052	54630	59682
2. Promotions from Lower Deck	11	-10	1	1138	-1138	-
	25	583	608	6190	53492	59682
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	6	6	57	1752	1809
--Desertion	-	2	2	-	143	143
--Other Reasons	3	11	14	215	1448	1663
Discharges from Div. Str.	-	8	8	15	972	987
Casualties:						
--Killed on Active Service	0	0	0	87	697	784
--Other Deaths	0	1	1	12	91	103
Total Deductions	3	28	31	386	5103	5489
4. Net Increase	22	555	577	5804	48389	54193
5. Personnel at Beginning of Period	6149	51389	57538	367	3555	3922
6. PRESENT STRENGTH	6171	51944	58115	6171	51944	58115
W.R.C.N.S. PERSONNEL						
7. Enlistments to date				8	2038	2046
8. Promotions from Lower Deck				82	-82	-
				90	1956	2046
9. Discharges to date				1	34	35
10. PRESENT STRENGTH				89	1922	2011
11. TOTAL PRESENT STRENGTH (6 and 10)				6260	53866	60126

Adjustments: 1 RCNVR rating discharged on Promotion to Commissioned rank, not counted in RCNVR Officers in previous reports.
1 RCN and 1 RCNVR rating recovered from Desertion and 4 discharged to desertion.
3 promotions to Warrant Rank and 24 to Commissioned Rank in RCNVR omitted from previous reports.

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D. DISTRIBUTION OF NAVAL PERSONNEL

		OFFICERS	RATINGS	TOTALS
1.	AFLOAT			
	Auxiliary Cruisers	74	609	683
	Destroyers	176	2350	2526
	Corvettes	480	5435	5915
	Frigates	-	-	-
	Minesweepers	427	4172	4599
	Motor Launches	126	712	838
	Base Supply Ships	37	176	213
	Patrol Craft & Auxiliary Vessels	272	2567	2839
	On loan to R.N.	560	856	1416
	TOTAL AFLOAT	2152	16877	19029
2.	ASHORE (including WRCNS)			
a.	C.O.A.C.			
	Stadacona	819	6532	7351
	Cornwallis	237	3980	4217
	Kings	259	253	512
	Protector	86	960	1046
	Captor	50	243	293
	Shelburne	30	290	320
	Fort Ramsay	36	265	301
	Chaleur	36	182	218
	Hochelaga	35	270	305
	St. Hyacinthe	41	1039	1080
	TOTAL	1629	14014	15643
b.	F.O.N.F.			
	Avalon	286	2233	2519
c.	C.O.P.C.			
	Naden	241	3964	4205
	Givenchy	193	1740	1933
	Royal Roads	22	131	153
	Chatham	67	501	568
	Vancouver	120	312	432
	TOTAL	643	6648	7291
d.	C.C.C.S.			
	Niobe	73	1187	1260
e.	C.O.R.D.	361	6647	7008
f.	"SUNDRY"			
	BYTOWN	560	609	1169
	BYTOWN II	24	608	632
	SIGNAL STATIONS		483	483
	PORTS & SHIPYARDS		41	41
	D.E.M.S. ASHORE		82	82
	MISCELLANEOUS ASHORE		210	210
	TOTAL	584	2033	2617
	TOTAL ASHORE	3576	32762	36338

SUMMARY

Total Afloat	2152	16877	19029
Total Ashore			
a) Not under Training	3161	23472	26633
b) Under Training	415	9290	9705
GRAND TOTAL	5728	49639	55367

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 12th April

Launchings : Ships - Nil
Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 1

2. Total R.C.N. Vessels in Commission, 12th April

Destroyers	14
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	360
T O T A L	556

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 5th April		Week ended 12th April	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	170	77.6	177	79.0
Refitting or Repairing over 7 days	49	22.4	47	21.0
	219	100.0	224	100.0
New Construction Working Up	11		10	

NOTE: "Ready for Service" includes ships boiler cleaning or repairing, not over 7 days.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 10th April in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible

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for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 3rd Apr. (Revised)	Week Ended 10th Apr.
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	24	29
JH & HJ	Halifax/St. John's, Nfld.	20	31
SPAB	Louisburg/Port aux Basques	3	3
SPECIAL	Louisburg/Argentia	4	-
SPECIAL	Halifax/Boston	1	-
BX & XB	Halifax/Boston	44	67
SH & HS	Sydney/Halifax	2	-
ST. JOHN'S GROUP	St. John's, Nfld./Halifax	-	1
SPECIAL	Halifax/St. John's, Nfld.	-	1
		98	132

2. Atlantic Convoys

	W/e 3/4		W/e 10/4		
WHX	231	4	HHX	232	15
HX	232	43	WHX	232	1
SC	125	37	HX	233	51
WSC	125	2	HHX	233	7
ON	176	45	SC	126	36
ONJ	176	3	WSC	126	5
ONS	2	35	ONS	3	22
ONSJ	2	4	ON	177	29
		173			166

	173	166
TOTAL	271	298

Canadian Groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: ONS 2, HX 233 and ON 177.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	503,946	583,162
Atlantic Convoys	1,008,547	991,836
TOTAL	1,512,493	1,574,998

4. Change in Title

In order to avoid confusion with the title C.in C. WA the short title C. in C. C.N.W.A. has been abbreviated to C. in C. C.N.A. The official title however is to remain as originally approved.

5. Fire Boats

The two fire boats USCG "MACNICHOL" and "CR 1942" are expected to arrive in Halifax on April 16th. They will materially strengthen the fire fighting facilities of the Port.

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6. H.M.C.S. "ATHABASKAN"

H.M.C.S. "ATHABASKAN" recently sustained considerable weather damage and is undergoing repairs in the U.K.

7. H.M.C. ~~Tribal~~ Destroyers

His Majesty the King has approved the names "OTTAWA", "KOOTENAY", "SASKATCHEWAN" and "GATINEAU" for the four destroyers under transfer from the Royal Navy.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Area

There is nothing to report regarding this area.

2. North Atlantic Area

While U-boats have been concentrated in the North Atlantic in their usual large numbers, convoys have been fairly fortunate. Northerly routing, air escort and good work on the part of escorts have kept losses down. ONS 176 lost one merchant ship and one escort vessel, an ex-U.S.N. destroyer, H.M.S. "BEVERLEY". Of the latter's crew only four are known to have been picked up.

The escort of HX 232 succeeded in beating off numerous attacks on the 11th of April but on the 12th the U-boats broke through and torpedoed three ships.

ONS 2 lost one ship, torpedoéd.

Many attacks on submarines were carried out but none are reported as lethal. It is likely that several U-boats were damaged. The use of Support Groups appears to be having a beneficial effect.

3. U.S. Atlantic Coastal Area

There have been no reports of sightings or sinkings in this area.

4. Adjacent Areas

There has been no outbreak of attacks in the Caribbean area, only one ship having been torpedoed. A few attacks have been made on U-boats without known result.

There is nothing to report from the Aleutian area. The U.S. - Gibraltar convoy route has been quiet,

5. Losses-Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 12th April, 1943, are as follows:-

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Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April (to 12th)	265	4	1.5%

V. WORKS

A. BOOM DEFENCE

During the week a spiked Log Boom was installed in Metlakatla Passage (Prince Rupert) parallel to, and on the harbour side of, the existing Log Boom.

The small Side Gate in the A/S Boom, for the passage of Small Craft at Esquimalt, is now operated in the same manner as the Main Gate.

It is reported from Shelburne, N.S. that all equipment afloat and ashore is in good condition. Daily inspection of the A/T Baffles at Bay Bulls, Nfld. has revealed them to be in good condition also.

B. DEGAUSSING

Delivery of the thirty 10 K.W. Generators for D.G. installation in Canadian Lake Vessels is expected to commence towards the end of May.

C. ANTI-SUBMARINE

Preliminary arrangements have been made for the use of Army accommodation and facilities by R.C.N. at North and South Canso A/S Fixed Defence Stations.

Lobe Comparison equipment obtained from the United States has been adapted to R.C.N. Quartz Oscillators. This equipment is awaiting final electrical adjustment and will be ready for trial installation in R.C.N. Vessels shortly. Recent United States experimentation indicates that this equipment maintains a centre bearing on submarine within 2 to 3° of conning tower.

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Work is proceeding towards production of a modified A/S 3 recorder to determine time interval between "time to fire" and depth charges reaching water surface.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 51.

Gun Mounting was completed on 6 ships and 3 others are in hand, being stiffened for 12 Pdr. Guns.

In accordance with Admiralty instruction, the fitting of 2" U.P. MK.III mountings (troughs) has been discontinued. Vessels already equipped with these weapons are to retain them, unless the master of the ship concerned desires their removal.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $5,229,225.28.

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MERCHANT SHIPPING CASUALTIES

C180306

SECRET Report number 15 for week ending April 12,1943. NS 1048-47-5.

(A)

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
120A	"JOHN SEVIER" (Am. cargo)	7176	Apr. 6th.	20° 49'N 74° 00'W	Torpedoed.
121A	"EDWARD B. DUDLEY" (U.S. cargo)	7177	Apr.10th.	53° 00'N 39° 00'W (approx)	Attacked.
122A	"LANCASTRIAN PRINCE" (Br. cargo)	1914	Apr.11th.	50° 18'N 42° 48'W	Torpedoed and sunk.
123A	"INGERFIRE" (Nor. cargo)	3835	Apr.12th.	51° 48'N 42° 30'W	Torpedoed.
124A	"ULYSSES" (Du. cargo)	2666	Apr.12th.	55° 00'N 31° 00'W (approx)	Torpedoed.
125A	"PACIFIC GROVE" (Br. cargo)	7117	Apr.12th.	55° 00'N 31° 00'W (approx)	Torpedoed,
126A	"FRESNO CITY" (Br. cargo)	7261	Apr.12th.	55° 00'N 31° 00'W (approx)	Torpedoed.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

117A	"WAROONGA" (Br. cargo)	9365	See report #14 Apr.5/43.	Reported torpedoed, now sunk.
119A	"BRITISH ARDOUR" (Br. tanker)	7124	See report #14 Apr.5/43.	Reported torpedoed, now sunk.

(B)

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

70B	"SAN SIMEON" (Pa. cargo)	5634	Mar.18th.	Hudson River, N.Y.	Collided in river with "CAMPFIRE" and sank.
71B	"CAMPFIRE" (Am. cargo)	5671	Mar.18th.	Hudson River, N.Y.	Collided in river with "SAN SIMEON".
72B	"ESSO MANHATTAN" (Am. tanker)	10172	Mar.29th,		Broke in two. Arrived Bayonne Mar.30th in tow.
73B	"HOLLYWOOD" (Am. cargo)	5498	Apr. 7th.		Damaged propellor. No.1 hold full of water.
74B	"REGINOLITE" (Br. tanker)	9069	Apr. 7th.		Grounded prior to arrival in New York.

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SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.(Cont'd)

(In U.S. Strategic area and North of the Equator)

75B	"EMPIRE BAFFIN" (Br. cargo)	6978	Apr.9th.	43° 55'N 51° 54'W	Engine trouble.
76B	"CAIRNVALONA" (Br. cargo)	4929	Apr.9th.	52° 19'N 40° 28'W (approx)	In collision with escort vessel.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

61B	"EMPIRE GRANITE" (Br. tanker)	8028	See report #12 Mar.22/43.	This ship erroneously reported in collision, should have been "SAN SIMEON".
68B	"FOREST" (Br. cargo)	4998	See report #14 Apr.5/43.	Reported to have lost her rudder. Now arrived safely in tow at Reykjavik.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area)

1942	600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons.
1943				
JANUARY	7 cargo	3 tankers	TOTAL 10 ships	60,122 tons.
FEBRUARY	19	6	25	159,611
MARCH	32	3	35	215,956
APRIL (to 12th)	3	2	5	29,991
TOTAL	61 cargo	14 tankers	TOTAL 75 ships	465,680 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,150,018 tons.
1943				
JANUARY	1 cargo	0 tankers	TOTAL 1 ships	14,547 tons.
FEBRUARY	17	6	23	147,342
MARCH	28	1	29	186,038
APRIL (to 12th)	3	1	4	23,932
TOTAL	49 cargo	8 tankers	TOTAL 57 ships	371,859 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Eqautor)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY	5	0	5	15,163
MARCH	2	1	3	27,685
APRIL (to 12th)	0	0	0	00,000
TOTAL	12 cargo	3 tankers	TOTAL 15 ships	71,237 tons.

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SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING.					
Mar. 22nd	18 cargo	1 tankers	TOTAL	19 ships	129,652 tons.
Mar. 29th	0	0		00	00,000
Apr. 5th	3	2		5	29,991
Apr. 12th	1	0		1	1,914
TOTAL	22 cargo	3 tankers	TOTAL	25 ships	161,557 tons.

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	27	0	27	9	0	9
U.S. Atlantic Seaboard.	0	0	0	0	0	0
Bermuda Area.	0	0	0	0	0	0
Gulf of Mexico & Caribbean Area.	2	0	2	1	0	1
Trinidad Area.	0	0	0	0	0	0
TOTAL	29	0	29	10	0	10

NOTE:
All information contained in this report is secret, official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar,16	HX 229	"SOUTHERN PRINCESS"			
Mar,16	HX 229	"NARIVA"			
Mar,16	HX 229	"JAMES OGLETHORPE"			
Mar,16	HX 229	"ELIN K."			
Mar,16	HX 229	"WILLIAM EUSTIS"			
Mar,16	HX 229	"HARRY LUCKENBACH"			
Mar,16	HX 229	"ZAANLAND"			
Mar,16	HX 229	"IRENEE DUPONT"			
Mar,16	UGS 6	"BENJAMIN HARRISON"#			
Mar,17	SC 122	"KINGSBURY"			
Mar,17	SC 122	"KING GRUFFYD"			
Mar,17	SC 122	"ALDERAMIN"			
Mar,17	SC 122	"FORT CEDAR LAKE"			
Mar,17	SC 122	"GRANVILLE"			
Mar,17	SC 122	"ZOUAVE"			
Mar,17	SC 122	"PORT AUCKLAND"			
Mar,17	HX 229	"CORACERO"			
Mar,17	HX 229	"TERKOELEI"			
Mar,17	UGS 6			"MOLLY PITCHER"#	
Mar,18	SC 122	"CARRAS"#			
Mar,18	HX 229	"CANADIAN STAR"			
Mar,18	HX 229	"WALTER Q. GRESHAN"			
Mar,18	HX 229			"EL MUNDO"	
Mar,19	HX 229	"MATHEW LUCKENBACH"#			
Mar,29	HX 230	"WILLIAM P. FRYE"#			
Apr, 5	HX 231			"SUNOIL"	
Apr, 5	HX 231	"SHILLONG"			
Apr, 5	HX 231			"BLITAR"	
Apr, 5	HX 231	"WAROONGA"			
Apr, 5	HX 231	"BRITISH ARDOUR"			

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS. (Cont'd)

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Apr,10	HX 232			"EDWARD B. DUDLEY"	
Apr,11	ON 176	"LANCASTRIAN PRINCE"			
Apr,12	HX 232			"ULYSSES"	
Apr,12	HX 232			"PACIFIC GROVE"	
Apr,12	HX 232			"FRESNO CITY"	
Apr.12	ONS 2			"INGERFIRE"	

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	25	-	2	-
MARCH	743	35	-	7	-
APRIL (to 12th)	265	4	-	7	-

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 23rd April, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 181

REPORT NO. 119

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 17th April, 1943		Total Strength as of 17th April, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	5	-2	646	3395	4041
R.C.N.R.	2	-5	952	5004	5956
R.C.N.V.R.	1	250	4581	43790	48371
Total	8	243	6179	52189	58368
W.R.C.N.S.	13	33	102	1955	2057
TOTAL STRENGTH	21	276	6281	54144	60425

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	458	2757	3215
WRCNS PERSONNEL	0	752	752
Total	458	3509	3967
TOTAL ACTIVE SERVICE STRENGTH	5823	50635	56458

B. CASUALTIES

Skipper Harding Robertson WAMBACK, Missing 11.4.43. (Body recovered).

Leslie F. WALTERS, Ldg. Smn., O.N. 2855, Died of natural Causes 11.4.43.

Odin Arthur ELLIOTT, A.B. A441, Missing 14.4.43.

Thomas J. ROURKE, M.M. V11392, Missing 14.4.43. (Body recovered).

Laurence C. JASPER, Ord. Sig. V7574, Missing 14.4.43.

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Joseph W. NODWELL, Ord. Smn. V686, Missing 14.4.43.

John P. DALY, Ord. Smn. V33743, Missing 14.4.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	Total
Total wounded or injured	11	149	160
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER
RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 17th April, 1943			Period from 31st Aug., 1939, to 17th April, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	11	281	292	5063	54911	59974
2. Promotions from Lower Deck	6	-6	-	1144	-1144	-
	17	275	292	6207	53767	59974
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	11	11	57	1763	1820
--Desertion	0	0	0	-	143	143
--Other Reasons	8	5	13	223	1453	1676
Discharges from Div. Str.	-	8	8	15	980	995
Casualties:						
--Killed on Active Service	1	5	6	88	702	790
--Other Deaths	0	1	1	12	92	104
Total Deductions	9	30	39	395	5133	5528
4. Net Increase	8	245	253	5812	48634	54446
5. Personnel at Beginning of period	6171	51944	58115	367	3555	3922
6. PRESENT STRENGTH	6179	52189	58368	6179	52189	58368
W.R.C.N.S. PERSONNEL						
7. Enlistments to date				8	2091	2099
8. Promotions from Lower Deck				95	-95	-
				103	1996	2099
9. Discharges to date				1	41	42
10. PRESENT STRENGTH				102	1955	2057
11. TOTAL PRESENT STRENGTH (6 and 10)				6281	54144	60425

ADJUSTMENTS: 1 R.C.N.R. and 1 R.C.N.V.R. rating recovered from desertion.
2 R.C.N.V.R. ratings discharged to desertion.

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D. DISTRIBUTION OF NAVAL PERSONNEL

1. AFLOAT	OFFICERS	RATINGS	TOTALS
Auxiliary Cruisers	75	605	680
Destroyers	178	2534	2712
Corvettes	454	5451	5905
Frigates	-	-	-
Minesweepers	420	4193	4613
Motor Launches	120	716	836
Base Supply Ships	37	174	211
Patrol Craft & Auxiliary Vessels	257	2659	2916
On loan to R.N.	560	885	1445
TOTAL AFLOAT	2101	17217	19318
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	860	6750	7610
Cornwallis	257	4070	4327
Kings	280	242	522
Protector	96	1098	1194
Captor	50	238	288
Shelburne	32	279	311
Fort Ramsay	41	288	329
Chaleur	42	182	224
Hochelaga	43	167	210
St. Hyacinthe	41	1096	1137
TOTAL	1742	14410	16152
b. F.O.N.F.			
Avalon	289	2245	2534
c. C.O.P.C.			
Naden	234	3875	4109
Givenchy	199	1682	1881
Royal Roads	22	127	149
Chatham	64	506	570
Vancouver	116	290	406
TOTAL	635	6480	7115
d. C.C.C.S.			
Niobe	75	1035	1110
e. C.O.R.D.	357	6935	7292
f. "SUNDRY"			
BYTOWN	576	643	1219
BYTOWN II	24	521	545
SIGNAL STATIONS		478	478
PORTS & SHIPYARDS		69	69
D.E.M.S. ASHORE		73	73
MISCELLANEOUS ASHORE		210	210
TOTAL	600	1994	2594
TOTAL ASHORE	3698	33099	36797

SUMMARY			
Total Afloat	2101	17217	19318
Total Ashore			
a) Not under Training	3283	23809	27092
b) Under Training	415	9290	9705
GRAND TOTAL	5799	50316	56115

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance, Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 19th April

Launchings : Ships - Nil
Commissionings: Ships - 1 - HMC Destroyer "KOOTENAY" 12th April
Local Craft and Auxiliary Vessels - Nil

2. Total R.C.N. Vessels in Commission, 19th April

Destroyers	15
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	360
T O T A L	557

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 12th April		Week ended 19th April	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	177	79.0	178	78.8
Refitting or Repairing over 7 days	47	21.0	48	21.2
	224	100.0	226	100.0
New Construction Working Up	10		8	

NOTE: "Ready for Service" includes ships boiler cleaning or repairing, not over 7 days.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 17th April in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible

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for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 10th Apr. (Revised)	Week Ended 17th Apr.
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	29	25
JH & HJ	Halifax/St. John's, Nfld.	31	22
SPAB	Louisburg/Port aux Basques	3	4
BX & XB	Halifax/Boston	67	46
SH & HS	Sydney/Halifax	-	5
ST. JOHN'S GROUP	St. John's, Nfld./Halifax	1	-
SPECIAL	Halifax/St. John's, Nfld.	1	-
SPECIAL	Halifax/Louisburg	-	2
		132	104

2. Atlantic Convoys

W/e 10/4			W/e 17/4		
HHX	232	15	HX	234	32
WHX	232	1	HHX	234	14
HX	233	51	WHX	234	2
HHX	233	7	SC	127	55
SC	126	36	ONSJ	3	2
WSC	126	5	ON	178	58
ONS	3	22	ONSJ	4	7
ON	177	29	ONS	4	34
		166		204	166 / 204
			T O T A L		298 / 308

Canadian Groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: HX 233, ON 177, HX 234 and SC 127.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	583,162	433,016
Atlantic Convoys	991,836	1,187,327
T O T A L	1,574,998	1,620,343

4. General Notes on R.C.N. Ships

H.M.S. "DECOY", the second of the 4 R.N. destroyers transferred to Canada was commissioned in the U.K. as H.M.C.S. "KOOTENAY" on the 12th of April.

Admiralty concurs with N.S.H.Q. that two U.S. Coast Guard Cutters in A3 Group should be relieved by "GRIFFIN" (Ottawa) and "DECOY" (KOOTENAY). Two Commanders will be appointed to "FORTUNE" and "EXPRESS" as Senior Officers of C1 and C2 Groups.

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The 73rd Canadian M. L. Flotilla arrived at Boston from Norfolk, Va., on the 17th of April en route to Halifax.

H.D.C. 15 capsized in a heavy sea in the main channel at the entrance to Saint John, N.B., harbour at 141750. The entire complement of six men was drowned.

5. St. Lawrence Convoys

N.M.C.S., Washington, advises that approval in principle has been obtained to employ U.S.N. new construction vessels on passage from the Great Lakes as additional escorts for convoys en route from Quebec to the Atlantic.

IV. U-BOAT ACTIVITIY

1. Canadian Coastal Area

There have been three attacks on suspected U-boats with negative results, but no attacks on shipping.

2. North Atlantic Area

This has been another successful week in convoy routing, the main concentrations of U-boats having been avoided. Where contact was established, the timely arrival of Support Groups appears to have saved the convoys.

In attacks on HX 232, several counter-attacks were made by the escort, four of which are thought to be promising.

USCG "SPENCER", one of the escorts of HX 233, made contact with a U-boat and after bringing it to the surface, forced the crew to surrender. The submarine was then sunk. 44 men, including 3 officers, were taken prisoner.

A number of attacks on U-boats, some promising, have been made by aircraft during the week. There is now a tendency on the part of U-boats, when under air attack, to remain on the surface to fight it out with the planes.

3. U.S. Atlantic Coastal Area

There were no attacks on shipping in this area. Three attacks were carried out by planes on suspicious objects between the 16th and 19th of April with negative results.

4. Adjacent Areas

A merchant ship was torpedoed and sunk 50 miles northeast of Cuba on April 7th. There have been no reports of attacks or counter-attacks in these waters since the 7th.

5. Losses

Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 19th April, 1943, are as follows:-

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Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April (to 19th)	506	10	2.0%

V. WORKS

A. BOOM DEFENCE

Adverse weather conditions are still hindering B.D. operations at Halifax, N.S., and Gaspe, P.Q.

Shipments of Gear from Newfoundland have begun to arrive at Louisburg, N.S., from North Sydney.

An inspection is being made of installations at Halifax, and some experiments are being carried out.

B. DEGAUSSING

It has been found that the D.G. coil level through the Engine Room in Revised Corvettes (under construction) will have to be 3' 6" below the upper deck, due to the many obstructions at any other level.

Following successful tests carried out at the N.R.C., the D.G. control panel for Motor Generator sets is, with very slight modifications, to be placed in service.

Arrangements have been made with Northern Electric Company to supply Schematic Wiring Diagrammes to all New Construction Vessels upon completion of the degaussing installation.

A report has been received from the U.S. Navy Department regarding United States' Policy for degaussing Minor War Vessels.

C. ANTI-SUBMARINE

Naval Staff approval having been obtained, action is now being taken to procure the necessary equipment for the

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installation of Gate Vessel Asdic equipment in steel scows for use in the Gut of Canso.

Proceedings are under way to provide $75,000.00 worth of Asdic equipment for R.N. and R.C.N. Town Class Destroyers operating from Halifax and St. John's, Nfld.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 64.

Gun mounting was completed on 3 ships during the past week, and 5 others are in hand, being stiffened for 12 Pdr. guns.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $982,737.93.

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MERCHANT SHIPPING CASUALTIES

SECRET Report number 16 for week ending April 19,1943. NS 1048-47-5

(A)

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

115A	"SUN OIL" (Am. tanker)	9005	See report #14, Apr. 5/43.	Reported attacked now presumed torpedoed and sunk.
118A	"BLITAR" (Du. cargo)	7065	See report #14, Apr. 5/43.	Reported attacked now presumed torpedoed, and sunk.
120A	"JOHN SEVIER" (Am. cargo)	7176	See report #15, Apr.12/43.	Reported torpedoed now sunk.
123A	"SLINGERFIRE" (Nor. cargo)	3835	See report #15, Apr.12/43.	Reported torpedoed now sunk.
124A	"ULYSSES" (Du. cargo)	2666	See report #15, Apr.12/43.	Reported torpedoed now sunk.
125A	"PACIFIC GROVE" (Br. cargo)	7117	See report #15, Apr.12/43.	Reported torpedoed now sunk.
126A	"FRESNO CITY" (Br. cargo)	7261	See report #15, Apr.12/43.	Reported torpedoed now sunk.

(B)

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and North of the Equator)

77B	"LETTY C." (Br. trawler)	103	Apr.18th 8 miles south of Entry Island.	Crushed in ice and sank.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

73B	"HOLLYWOOD" (Am, cargo)	5498	See report #15, Apr.12/43.	Reported damaged. Now arrived St. John's, Nfld., 10/4/43.
75B	"EMPIRE BAFFIN" (Br. cargo)	6978	See report #15, Apr.12/43.	Reported engine trouble. Now arrived Halifax 13/4/43.
76B	"CAIRNVALONA" (Br. cargo)	4928	See report #15, Apr.12/43.	Reported in collision Now arrived Halifax.

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installation of Gate Vessel Asdic equipment in steel scows for use in the Gut of Canso.

Proceedings are under way to provide $75,000.00 worth of Asdic equipment for R.N. and R.C.N. Town Class Destroyers operating from Halifax and St. John's, Nfld.

D. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 64.

Gun mounting was completed on 3 ships during the past week, and 5 others are in hand, being stiffened for 12 Pdr. guns.

E. STORES

The equipment purchased by the Naval Stores amounted this week to $982,737.93.

Distribution

Report of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
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MERCHANT SHIPPING CASUALTIES

C180319

SECRET Report number 16 for week ending April 19,1943. NS 1048-47-5

(A)

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

115A	"SUN OIL" (Am. tanker)	9005	See report #14, Apr. 5/43. Reported attacked now presumed torpedoed and sunk.
118A	"BLITAR" (Du. cargo)	7065	See report #14, Apr. 5/43. Reported attacked now presumed torpedoed, and sunk.
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126A	"FRESNO CITY" (Br. cargo)	7261	See report #15, Apr.12/43. Reported torpedoed now sunk.

(B)

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and North of the Equator)

77B	"LETTY C." (Br. trawler)	103	Apr.18th 8 miles south of Entry Island. Crushed in ice and sank.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

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SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(Nroth of the Equator within U.S. Strategic area).

1942	600 cargo	205 tankers	TOTAL	805 ships	4,295,800 tons
1943					
JANUARY	7 cargo	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	19	6		25	159,611
MARCH	32	3		35	215,956
APRIL (to 19th)	10	3		13	76,030
TOTAL	68 cargo	15 tankers	TOTAL	83 ships	511,719 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL	200 ships	1,150,018 tons.
1943					
JANUARY	1 cargo	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	17	6		23	147,342
MARCH	28	1		29	186,038
APRIL (to 19th)	8	2		10	60,881
TOTAL	54 cargo	9 tankers	TOTAL	63 ships	408,808 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942					
TOTAL	53 cargo	1 tanker	TOTAL	54 ships	143,263 tons.
1943					
JANUARY	5 cargo	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
MARCH	2	1		3	27,685
APRIL (to 19th)	1	0		1	00,103
TOTAL	13 cargo	3 tankers	TOTAL	16 ships	71,340 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING					
Mar.29th	0 cargo	0 tankers	TOTAL	0 ships	00,000 tons.
Apr. 5th	4	3		7	46,061
Apr.12th	6	0		6	29,969
Apr.19th	0	0		0	00,000
TOTAL	10 cargo	3 tankers	TOTAL	13 ships	76,030 tons.

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AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	10	0	10	1	0	1
U.S. Atlantic Seaboard.	0	0	0	0	0	0
Bermuda Area.	0	0	0	0	0	0
Gulf of Mexico & Caribbean Area.	3	0	3	0	0	0
Trinidad Area.	0	0	0	0	0	0
TOTAL	13	0	13	1	0	1

NOTE:

All information contained in this report is secret, official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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NOTE: The area covered by this report has been extended to include the West Atlantic north of the equator and west of the eastern limit of the U.S. strategic area. This new boundary runs from the North Pole south on 10° W to 60° N thence on rhumb-line to 57° N 26°W. south on 26° W to 43° N West on 43° to 40° W south on 40° W to 20° N and thence by rhumb-line to the equator at 21°W. Positions of attacks are tabulated as follows:

(A) Canada-U.K. shipping lanes North of 40° North, East of coastal waters and West of the boundary of the U.S. strategic area.

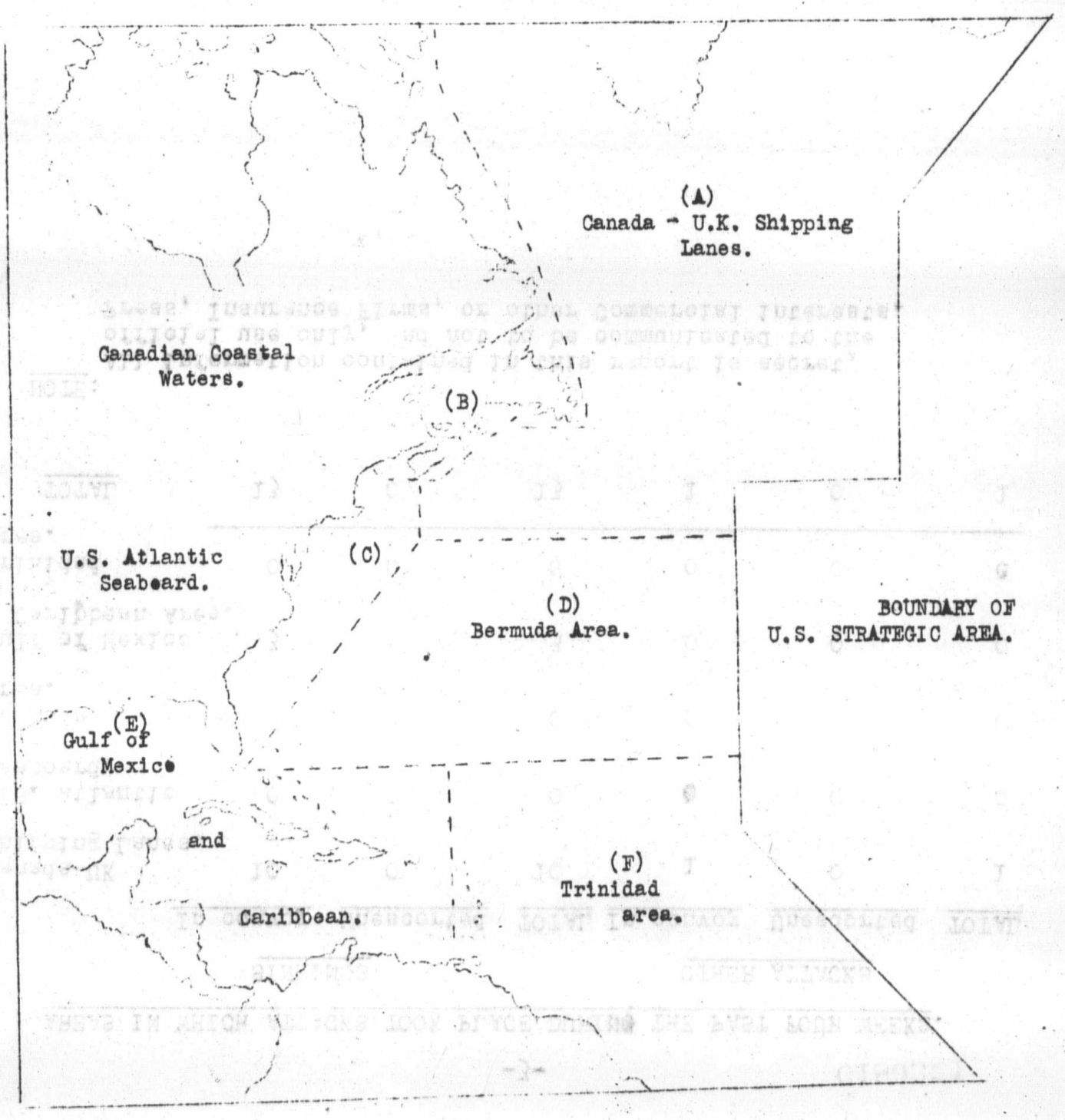
(B) Canadian coastal waters.- The river and Gulf of St. Lawrence and the coastal waters of Canada and Newfoundland,

(C) U.S. Atlantic seaboard south of Canadian waters West of 65°W to 40° N and the rhumb-line joining 40° N 65° W and 25°N 80° W; north of Key West.

(D) Bermuda area. East of (C) between 25° and 40° N and West of 40°W.

(E) Caribbean and Gulf of Mexico South of U.S. south coast to Key West thence south of 25° N to 58°W. West of 58°W.

(F) Trinidad area. East of 58°W between 0° and 25° N West of U.S. strategic area boundary. See sketch map.



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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOY	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Mar. 29	HX 230	"WILLIAM P. FRYE"#			
Apr. 5	HX 231	"SUN. C[illegible]"			
Apr. 5	HX 231	"SHILLONG"			
Apr. 5	HX 231	"BLITAR"			
Apr. 5	HX 231	"WAROONGA"			
Apr. 5	HX 231	"BRITISH ARDOUR"			
Apr. 10	HX 232			"EDWARD B. DUDLEY"	
Apr. 11	ON 176	"LANCASTRIAN PRINCE"			
Apr. 11	UGS 6			"MATT W. RANSOM"#	
Apr. 12	HX 232	"ULYSSES"			
Apr. 12	HX 232	"PACIFIC GROVE"			
Apr. 12	HX 232	"FRESNO CITY"			
Apr. 12	ONS 2	"INGERFIRE"			
Apr. 17	HX 233			"FORT RAMPART"#	

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	25	-	2	-
MARCH	743	35	-	6	-
APRIL (to 19th)	506	10	-	2	-

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C180324

MOST SECRET

COPY NO. 1

N.S. M.S. 1000-5-19
CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 30th April, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 182

REPORT NO. 120

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 24th April, 1943		Total Strength as of 24th April, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	6	-1	652	3394	4046
R.C.N.R.	2	6	950	5011	5961
R.C.N.V.R.	11	413	4586	44204	48790
Total	19	418	6188	52609	58797
W.R.C.N.S.		90	102	2045	2147
TOTAL STRENGTH	19	508	6290	54654	60944

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	356	2739	3095
WRCNS PERSONNEL	0	788	788
Total	356	3527	3883
TOTAL ACTIVE SERVICE STRENGTH	5934	51127	57061

B. CASUALTIES

Wolfred G. HARTLEN, A/P.O. (Ty), O.N. 3223, Missing.

Joseph E.P. ST. PIERRE, Ord. Smn., V48156, Discharged Dead, 7.3.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	Total
Total wounded or Injured	11	149	160
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER
RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 24th April, 1943			Period from 31st Aug., 1939, to 24th April, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	13	458	471	5076	55369	60445
2. Promotions from Lower Deck	1	-1	--	1145	-1145	---
	14	457	471	6221	54224	60445
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	1	11	12	58	1774	1832
--Desertion	0	0	0	-	143	143
--Other Reasons	4	17	21	227	1470	1697
Discharges from Div. Str.	-	7	7	15	987	1002
Casualties:						
--Killed on Active Service	0	1	1	88	703	791
--Other Deaths	0	1	1	12	93	105
Total Deductions	5	37	42	400	5170	5570
4. Net Increase	9	420	429	5821	49054	54875
5. Personnel at Beginning of Period	6179	52189	58368	367	3555	3922
6. PRESENT STRENGTH	6188	52609	58797	6188	52609	58797

W.R.C.N.S. PERSONNEL

7. Enlistments to date	8	2185	2193
8. Promotions from Lower Deck	95	-95	--
	103	2090	2193
9. Discharges to date	1	45	46
10. PRESENT STRENGTH	102	2045	2147
11. TOTAL PRESENT STRENGTH (6 and 10)	6290	54654	60944

ADJUSTMENTS: 1 R.C.N.R. and 1 R.C.N.V.R. rating recovered from desertion.
1 R.C.N.R. and 1 R.C.N.V.R. rating discharged to desertion.

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D. DISTRIBUTION OF NAVAL PERSONNEL

	OFFICERS	RATINGS	TOTALS
1. AFLOAT			
Auxiliary Cruisers	72	644	716
Destroyers	179	2521	2700
Corvettes	454	5504	5958
Frigates	-	-	-
Minesweepers	421	4154	4575
Motor Launches	118	721	839
Base Supply Ships	35	169	204
Patrol Craft & Auxiliary Vessels	258	2632	2890
On loan to R.N.	569	892	1461
TOTAL AFLOAT	2106	17237	19343
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	875	6875	7750
Cornwallis	265	4480	4745
Kings	293	237	530
Protector	99	1176	1275
Captor	52	237	289
Shelburne	30	293	323
Fort Ramsay	41	294	335
Chaleur	42	207	249
Hochelaga	42	160	202
St. Hyacinthe	41	1082	1123
TOTAL	1780	15041	16821
b. F.O.N.F.			
Avalon	297	2236	2533
c. C.O.P.C.			
Naden	237	3850	4087
Givenchy	204	1724	1928
Royal Roads	22	133	155
Chatham	65	507	572
Vancouver	117	292	409
TOTAL	645	6506	7151
d. C.C.C.S.			
Niobe	75	1021	1096
e. C.O.R.D.	358	6625	6983
f. "SUNDRY"			
BYTOWN	568	632	1200
BYTOWN II	17	503	520
SIGNAL STATIONS		476	476
PORTS AND SHIPYARDS		73	73
D.E.M.S. ASHORE		72	72
MISCELLANEOUS ASHORE		262	262
TOTAL	585	2018	2603
TOTAL ASHORE	3740	33447	37187
SUMMARY			
Total Afloat	2106	17237	19343
Total Ashore			
a) Not under Training	3325	24157	27482
b) Under Training	415	9290	9705
GRAND TOTAL	5846	50684	56530

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance, Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 26th April

Launchings : Ships - 1 - Frigate "PORT COLBORNE"

Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 2

2. Total R.C.N. Vessels in Commission, 26th April

Destroyers	15
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
Patrol Craft and Auxiliary Vessels	362
T O T A L	559

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks:-

	Week ended 19th April		Week ended 26th April	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	178	78.8	180	77.9
Refitting or Repairing over 7 days	48	21.2	51	22.1
	226	100.0	231	100.0
New Construction Working Up	8		8	

NOTE: "Ready for Service" includes ships boiler cleaning or repairing, not over 7 days.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 24th April in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible

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for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 17th Apr. (Revised)	Week Ended 24th Apr.
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	25	28
JH & HJ	Halifax/St. John's, Nfld.	22	34
SPAB	North Sydney/Port aux Basques	4	5
BX & XB	Halifax/Boston	46	70
SH & HS	Sydney/Halifax	5	-
SPECIAL	Halifax/Louisburg	2	-
SPECIAL	Halifax/Cable Ship	-	1
SPECIAL	New York/Boston	-	1
		104	139

2. Atlantic Convoys

	W/e 17/4			W/e 24/4			
HX	234	32	HX	235	32		
HHX	234	14	HHX	235	8		
WHX	234	2	WHX	235	2		
SC	127	55	HX	236	37		
ONSJ	3	2	WSC	127	2		
ON	178	58	WON	178	2		
ONSJ	4	7	ONJ	179	5		
ONS	4	34	ONS	5	44		
			ONSJ	5	3		
		204			135	204	135
			T O T A L			308	274

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: HX 234, SC 127 and HX 235.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	440,192	626,154
Atlantic Convoys	1,187,327	825,193
T O T A L	1,627,519	1,451,347

4. H.M.C. Ships

H.M.C. Destroyer "OTTAWA" will complete work-up and arrive at Londonderry on 3rd May.

It is anticipated that on May 15th H.M.C.S. "ASSINIBOINE" will complete repairs sustained in attack on U-boat on March 2nd.

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IV. U-BOAT ACTIVITY

1. Canadian Coastal Area

There has been a number of sightings of U-boats during the past week in this area and one attack was carried out by aircraft. No merchant ships have been sunk. A few sightings of suspicious objects thought to be U-boats have been reported, the first near Gaspe and two others in the Bay of Chaleur. It has not been established that these were submarines. U-boats continue to concentrate in the North Atlantic, the majority operating in the areas not covered by aircraft. There now seems to be a tendency for the U-boats to move further westward.

2. North Atlantic Area

After a lull of 7 days, during which only one casualty was experienced, 5 ships in Convoys ONS 3 and HX 234 were torpedoed in the areas southeast of Cape Farewell and Northeast of Newfoundland. Three of these ships were sunk but the condition of the remaining 2 is not yet known. No ships have been torpedoed or attacks reported on North America - U.K. Convoys, between 23rd and 28th April.

3. U.S. Coastal Area

The quiescence, which has prevailed in these waters for some months, continued. The Tanker "MOBILOIL" reported a torpedo miss and a U-boat was attacked 20 miles east of Savannah on April 26th.

4. Adjacent Areas

On the basis of reports, only 4 ships have been sunk by torpedo south of 40° N., in the first four weeks of April.

5. General Remarks

In spite of the 5 casualties reported on 20th to 23rd April, the war in the Atlantic has been going comparatively well. In the past 6 weeks only 16 merchant ships have been reported as definitely sunk. In addition, H.M.S. "BEVERLEY" was lost. These good results have been achieved in the face of determined attacks by large concentrations of U-boats. No doubt, the use of support groups and increased air coverage are partly responsible.

The increase in toll of U-boats affords grounds for some satisfaction. 4 and possibly 6 U-boats were destroyed by surface escort and aircraft in the general vicinity of North America - U.K. convoy routes, between the 17th and 27th April. U.S. C.G. "SPENCER" and H.M.S. "PATHFINDER" were the successful warships. H.M.S. "HASTINGS" is considered by F.O.N.F. to have sunk a U-boat. Admiralty reports evidence of destruction of 2 U-boats by aircraft.

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5. Losses

Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 26th April, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April (to 26th)	705	14	2.0%

V. WORKS

A. BOOM DEFENCE

A large amount of repair work was necessary on A/T Baffles and by reason of the collision of several ships with the Nets on their way in or out of the Harbour at St. John's, Newfoundland. Reconditioning of A/S and A/T Equipment was also carried out at Sydney, N.S.

Sixteen carloads of materials arrived at Louisburg from North Sydney, N.S., during the week, for trans-shipment to Wabana, Nfld.

B. TECHNICAL DIVISION

A complete report of the investigation into buoyant materials of all types is being distributed to all concerned in the Department, the R.C.A.F., the Army, the U.S. Navy Department and the British Admiralty.

Progress made by the U.S. Navy Department with regard to rubber conservation in general is being investigated.

The chief of the Testing Laboratories of the Ontario Hydro Electric Power Commission, Toronto, has extended the complete facilities of his organization for research, development and test, to the R.C.N. This will be of great value in augmenting the existing facilities at the National Research Council.

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Two of the 201 inventions examined since 27th March were considered of sufficient merit to submit to Admiralty for an opinion.

C. DEGAUSSING

In connection with Merchant Vessels, arrangements have been made with the Inspection Board of the United Kingdom and Canada to have their representative at Electric Tamper and Equipment Company assist Lloyds' representative in the inspection of equipment for 10 K.W. reciprocating generators.

Sixteen of the Algerine Minesweepers building to Canadian account at Toronto Shipbuilding and Port Arthur Shipyards may be completely turned over to The British Admiralty Technical Mission for supervision. The equipment therein may possibly be Admiralty type degaussing installation and not Canadian.

D. ANTI-SUBMARINE

A special cable for A/S Virtual Target has been designed by the Cable Manufacturers' Committee, and delivery promised to meet dates when targets will be completed.

The alteration of the Asdic sets in Bangor M/S from mechanical to electrical training has been approved. This modification will shortly appear in the A. & A.'s for this class of ship.

E. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week numbered 63.

Gun mounting was completed on 4 ships and 1 other is in hand for arming.

F. STORES

No report has been received.

Distribution

Report of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C. J. S., Washington, (3 copies)
Joint Service Committee, Atlantic Coast (3 copies)
Joint Service Committee, Pacific Coast (3 copies)
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MERCHANT SHIPPING CASUALTIES

SECRET Report number 17 for week ending April 26,1943. NS.1048-47-5

(A)

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In U.S. Strategic area and North of the Equator)

127A	"SCEBELI" (Nor.cargo)	3025	Apr.21	56° 07'N 44° 26'W	Torpedoed.
128A	"LONE STAR" (Am.cargo)	5101	Apr.21	55° 30'N 45° 20'W	Torpedoed.
129A	"WANSTEAD" (Br.cargo)	5486	Apr.21	55° 35'N 47° 30'W	Torpedoed & sunk.
130A	"ASHANTIAN" (Br.cargo)	4917	Apr.21	55° 50'N 47° 10'W	Torpedoed & sunk.
131A	"AMERIKA" (Am.cargo)	8862	Apr.22	57° 20'N 42° 50'W	Torpedoed & sunk.
132A	"SANTA Catalina" (Am.cargo)	6500	Apr.23	30° 42'N 70° 58'W	Torpedoed.
133A	"MOBILOIL" (Am.tanker)	10,000	Apr,24	32° 57'N 76° 55'W	Missed by torpedo.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

134A	"EMPIRE LAKELAND" (Br.cargo)	7015	Due Mersey March 21/43 from New York	Overdue and now reported sunk.
135A	"EMPIRE IMPALA" (Br.cargo)	6116	Due Loch Ewe March 21/43 from New York.	Overdue and now reported sunk.
136A	"LEADGATE" (Br.cargo)	2125	Due Loch Ewe March 21/43 from Halifax.	Overdue and now reported sunk.
137A	"MILOS" (Sw.cargo)	3058	Due Loch Ewe March 21/43 from New York	Overdue and now reported sunk.

(B)

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

	NAME	TONS	TIME	POSITION	DETAILS
78B	"HENRY S. GROVE" (Am.cargo)	6220	Apr.20	42° 10'N 61° 02'W	In collision with Tortuguero.
79B	"TORTUGUERO" (Br.cargo)	5285	Apr.20	42° 10'N 61° 02'W	In collision with Henry S. Grove"
80B	"EL ALMIRANTE" (Pa.cargo)	5216	Apr.20	41° 08'N 64° 27'W	In collision with "Elias Boudinot" and sank.
81B	"ELIAS BOUDINOT" (U.S.cargo)		Apr.20	41° 08'N 64° 27'W	In collision with "El Almirante".

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(B) SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES (Cont'd)

(In U.S. Strategic area and North of the Equator)

82B	"FANAD HEAD" (Br.cargo)	5038	Apr.21	43° 33'N. 61° 44'W.	In collision with "Flora Albert".
83B	"FLORA ALBERT" (Can.schooner)	187	Apr.21	43° 33'N. 61° 44'W.	In collision with "Fanad Head" and is presumed sunk.

SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area).

1942	600 cargo	205 tankers	TOTAL 805 ships	4,295,800 tons
1943				
JANUARY	7 cargo	3 tankers	TOTAL 10 ships	60,122 tons.
FEBRUARY	19	6	25	159,611
MARCH	36	3	39	234,270
APRIL (to 26th)	13	3	16	95,295
TOTAL	75 cargo	15 tankers	TOTAL 90 ships	549,298 tons.

SHIPPING LOST NORTH OF 40° N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL 200 ships	1,150,018 tons.
1943				
JANUARY	1 cargo	0 tankers	TOTAL 1 ships	14,547 tons.
FEBRUARY	17	6	23	147,342
MARCH	28	1	29	186,038
APRIL (to 26th)	11	2	13	80,146
TOTAL	57 cargo	9 tankers	TOTAL 66 ships	428,073 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942				
TOTAL	53 cargo	1 tanker	TOTAL 54 ships	143,263 tons.
1943				
JANUARY	5 cargo	2 tankers	TOTAL 7 ships	28,389 tons.
FEBRUARY	5	0	5	15,163
MARCH	2	1	3	27,685
APRIL (to 26th)	3	0	3	5,506
TOTAL	15 cargo	3 tankers	TOTAL 18 ships	76,743 tons.

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SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING				
Apr. 5th	4 cargo	3 tankers	TOTAL 7 ships	46,061 tons.
Apr. 12th	6	0	6	29,969
Apr. 19th	0	0	0	00,000
Apr. 26th	3	0	3	19,265
TOTAL	13 cargo	3 tankers	TOTAL 16 ships	95,295 tons.

AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes	13	0	13	3	0	3
U.S. Atlantic Seaboard.	0	0	0	1	0	1
Bermuda Area	0	0	0	1	0	1
Gulf of Mexico & Caribbean Area.	3	0	3	0	0	0
Trinidad Area.	0	0	0	0	0	0
TOTAL	16	0	16	5	0	5

NOTE:
All information contained in this report is secret, official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOYS	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Apr.5	HX 231	"SUN OIL"			
Apr.5	HX 231	"SHILLONG"			
Apr.5	HX 231	"BLITAR"			
Apr.5	HX 231	"WAROONGA"			
Apr.5	HX 231	"BRITISH ARDOUR"			
Apr.10	HX 232			"EDWARD B. DUDLEY"	
Apr.11	ON 176	"LANCASTRIAN PRINCE"			
Apr.11	UGS 6			"MATT W. RANSOM"#	
Apr.12	HX 232	"ULYSSES"			
Apr.12	HX 232	"PACIFIC GROVE"			
Apr.12	HX 232	"FRESNO CITY"			
Apr.12	ONS 2	"INGERFIRE"			
Apr.17	HX 233	"FORT RAMPART"#			
Apr.21	ON 178			"SCEBELI"	
Apr.21	ON 178			"LONE STAR"	
Apr.21	ONS 3	"WANSTEAD"			
Apr.21	ONS 3	"ASHANTIAN"			
Apr.22	HX 234	"AMERIKA"			

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	25	-	2	-
MARCH	743	39	-	6	-
APRIL (to 27th)	705	14	-	3	-

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 7th May, 1943.

Weekly Summary of Information respecting
Departmental Activities

SUMMARY NO. 183

REPORT NO. 121

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 1st May, 1943		Total Strength as of 1st May, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	12	-1	664	3393	4057
R.C.N.R.	3	11	953	5022	5975
R.C.N.V.R.	5	434	4591	44639	49230
Total	20	444	6208	53054	59262
W.R.C.N.S.	0	130	102	2175	2277
TOTAL STRENGTH	20	574	6310	55229	61539

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	337	2753	3090
WRCNS PERSONNEL	0	715	715
Total	337	3468	3805
TOTAL ACTIVE SERVICE STRENGTH	5973	51761	57734

B. CASUALTIES

Laurence J. McHUGHEN, Teleg. V3733, Discharged Dead, Natural Causes, 25.4.43.

Robert Clarence DUNN, A.B. V12710, Discharged Dead, Natural Causes, 28.4.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

	Officers	Ratings	Total
Total Wounded or Injured	11	149	160
Prisoners of War	4	2	6

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C. PERSONNEL TURNOVER
RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 1st May, 1943			Period from 31st Aug., 1939, to 1st May, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	15	475	490	5091	55844	60935
2. Promotions from Lower Deck	7	-7	--	1152	-1152	--
	22	468	490	6243	54692	60935
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	7	7	58	1781	1839
--Desertion	0	1	1	-	144	144
--Other Reasons	2	11	13	229	1481	1710
Discharges from Div. Str.	-	2	2	15	989	1004
Casualties:						
--Killed on Active Service	0	0	0	88	703	791
--Other Deaths	0	2	2	12	95	107
Total Deductions	2	23	25	402	5193	5595
4. Net Increase	20	445	465	5841	49499	55340
5. Personnel at Beginning of Period	6188	52609	58797	367	3555	3922
6. PRESENT STRENGTH	6208	53054	59262	6208	53054	59262
W.R.C.N.S. PERSONNEL						
7. Enlistments to date				8	2319	2327
8. Promotions from Lower Deck				95	-95	--
				103	2224	2327
9. Discharges to date				1	49	50
10. PRESENT STRENGTH				102	2175	2277
11. TOTAL PRESENT STRENGTH (6 and 10)				6310	55229	61539

ADJUSTMENTS: 1 R.C.N.V.R. rating recovered from desertion.
1 R.C.N.R. and 1 R.C.N.V.R. rating discharged to desertion.

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D. DISTRIBUTION OF NAVAL PERSONNEL

	OFFICERS	RATINGS	TOTALS
1. AFLOAT			
Auxilliary Cruisers	65	607	672
Destroyers	193	2518	2711
Corvettes	464	5504	5968
Frigates	-	-	-
Minesweepers	424	4192	4616
Motor Launches	120	723	843
Base Supply Ships	36	171	207
Patrol Craft & Auxiliary Vessels	260	2659	2919
On loan to R.N.	559	1044	1603
TOTAL AFLOAT	2121	17418	19539
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	855	7189	8044
Cornwallis	259	4703	4962
Kings	393	237	630
Protector	99	1087	1186
Captor	53	235	288
Shelburne	31	297	328
Fort Ramsay	45	315	360
Chaleur	46	244	290
Hochelaga	42	243	285
St. Hyacinthe	43	1094	1137
TOTAL	1866	15644	17510
b. F.O.N.F.			
Avalon	297	2249	2546
c. C.O.P.C.			
Naden	230	3820	4050
Givenchy	218	1584	1802
Royal Roads	22	130	152
Chatham	63	710	773
Vancouver	119	296	415
TOTAL	652	6540	7192
d. C.C.C.S.			
Niobe	44	900	944
e. C.O.R.D.	382	6376	6758
f. "SUNDRY"			
BYTOWN	570	651	1221
BYTOWN II	16	535	551
SIGNAL STATIONS		474	474
PORTS & SHIPYARDS		79	79
D.E.M.S. ASHORE		73	73
MISCELLANEOUS ASHORE		272	272
TOTAL	586	2084	2670
TOTAL ASHORE	3827	33793	37620
SUMMARY			
Total Afloat	2121	17418	19539
Total Ashore			
a) Not under Training	3411	23418	26829
b) Under Training	416	10375	10791
GRAND TOTAL	5948	51211	57159

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 3rd May.

Launchings : Ships - 3 - H.M.C. Algerine Escort "BORDER CITIES", 3rd May at Port Arthur.
- H.M.C. Corvette "NORTH BAY", 27th April at Collingwood.
- H.M.C. "M.L.088", 27th April at Toronto.

Commissionings: Ships - Nil
Local Craft and Auxiliary Vessels - 1

2. Total R.C.N. Vessels in Commission, 3rd May.

Destroyers	15
Corvettes	74
Minesweepers	58
Motor Launches	48
Base Supply Ships	2
TOTAL SHIPS	197
Patrol Craft and Auxiliary Vessels	363
TOTAL VESSELS	560

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks.

	Week ended 26th April		Week ended 3rd May	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	180	77.9	177	77.1
Refitting or Repairing over 7 days	50	22.1	55	22.9
	230	100.0	232	100.0
New Construction Working Up	3		1	

NOTE: "Ready for Service" includes ships boiler cleaning or repairing not over 7 days.

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III. CONVOYS

The following table summarises the convoy sailings during the past two weeks ended 1st May in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 24th Apr. (Revised)	Week Ended 1st May
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	28	28
JH & HJ	Halifax/St. John's, Nfld.	40	19
SPAB	Sydney/Port aux Basques	5	7
BX & XB	Halifax/Boston	70	30
SH & HS	Sydney/Halifax	-	8
BW & WB	Sydney/Wabana	-	2
SPECIAL	Louisburg/Sydney	-	3
SPECIAL	Halifax/Cable Ship	1	-
SPECIAL	New York/Boston	1	-
		145	97

2. Atlantic Convoys

	W/e 24/4			W/e 1/5		
HX	235	32	HHX	236	11	
HHX	235	8	ON	180	66	
WHX	235	2	ON	181	46	
HX	236	37	ONS	6	30	
WSC	127	2				
WON	178	2				
ON	179	49				
ONJ	179	5				
ONS	5	44				
ONSJ	5	3				
		184			153	184 153
				TOTAL		329 250

Canadian groups formed the Western Local Escort for all Convoys and Mid-Ocean Escort for Convoys: SC 127, HX 235, ON 179, ON 180, ON 181.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	638,170	385,960
Atlantic Convoys	1,181,539	1,043,511
TOTAL	1,819,709	1,429,471

4. General Notes

C.in C., C.N.A., assumed operational control of HX, SC, ON and ONS Convoys west of the CHOP except in the Eastern Sea

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Frontier at 1200Z on 30th April, 1943, relieving C.T.F. 24.

Dating from 30th April Canadian escort groups are designated:

Mid-ocean escort groups - C1 to C5
Western local escort groups - W1 to W14

Five of the 6 R.N. Bangor Minesweepers to be transferred from the Pacific to the Atlantic Coast have arrived at Halifax. The sixth, which was refitting at Prince Rupert until early April, is now at Esquimalt.

IV. U-BOAT ACTIVITY

1. Canadian Coastal Area

Activity has been slight during the week. There were, as usual, several unconfirmed sightings of U-boats, whales and bits of ice. There are estimated to be between 2 and 6 U-boats in the area, one or 2 off St. John's and Halifax and one or 2 more farther south. On the 27th, a very promising attack was made by an aircraft on a U-boat 300 miles south of Cape Race. The U-boat was seen to surface at an angle of 80° and then sink.

2. North Atlantic Area

There is still a heavy concentration of U-boats in the North Atlantic area but during the week they were not successful in making any important attacks, although ONS 5 did lose one ship, torpedoed. At one time 121 submarines were plotted in this area. That the numerous convoys were able to avoid them is considered very fortunate.

3. U.S. Atlantic Coastal Area

Indications of U-boats in this area continue to be reported. A few attacks have been made on submarines but no attacks on shipping have yet developed.

4. Adjacent Areas

The South-western Atlantic, Caribbean and Trinidad areas remained quiet during the week. A report was, however, received that 11 U-boats were seen by an American export plane 390 miles North-east of Bermuda on 29th April. The Captain believed 10 were the 500-ton class and one was larger. They were in packs and fired on the planes but inflicted no damage.

5. Attacks on U-boats

Attacks on U-boats continue unabated. Admiralty reported evidence during the week of the destruction of 2 U-boats by aircraft between Cape Farewell and Greenland on 23rd and 24th April. A plane from the Auxiliary Carrier "BITER" and H.M.S. "PATHFINDER" sank another on the 25th, 560 miles North-east of Belle Isle Strait and a fourth was possibly sunk by a U.S. A.A.F. Fortress aircraft on 2nd May 390 miles North-east of St. John's, Nfld. A fifth may have been sunk by an

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Activity has been slight during the week. There were, as usual, several unconfirmed sightings of U-boats, whales and bits of ice. There are estimated to be between 2 and 6 U-boats in the area, one or 2 off St. John's and Halifax and one or 2 more farther south. On the 27th, a very promising attack was made by an aircraft on a U-boat 300 miles south of Cape Race. The U-boat was seen to surface at an angle of 80° and then sink.

2. North Atlantic Area

There is still a heavy concentration of U-boats in the North Atlantic area but during the week they were not successful in making any important attacks, although ONS 5 did lose one ship, torpedoed. At one time 121 submarines were plotted in this area. That the numerous convoys were able to avoid them is considered very fortunate.

3. U.S. Atlantic Coastal Area

Indications of U-boats in this area continue to be reported. A few attacks have been made on submarines but no attacks on shipping have yet developed.

4. Adjacent Areas

The South-western Atlantic, Caribbean and Trinidad areas remained quiet during the week. A report was, however, received that 11 U-boats were seen by an American export plane 390 miles North-east of Bermuda on 29th April. The Captain believed 10 were the 500-ton class and one was larger. They were in packs and fired on the planes but inflicted no damage.

5. Attacks on U-boats

Attacks on U-boats continue unabated. Admiralty reported evidence during the week of the destruction of 2 U-boats by aircraft between Cape Farewell and Greenland on 23rd and 24th April. A plane from the Auxiliary Carrier "BITER" and H.M.S. "PATHFINDER" sank another on the 25th, 560 miles North-east of Belle Isle Strait and a fourth was possibly sunk by a U.S. A.A.F. Fortress aircraft on 2nd May 390 miles North-east of St. John's, Nfld. A fifth may have been sunk by an

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aircraft from the Auxiliary Carrier "BOGUE" 700 miles South-west of Ireland on 28th April.

Planes of the Coastal Command also carried out numerous sweeps over the Bay of Biscay area. On 29th April, a Sunderland attacked a U-boat 120 miles North-west of Cape Ortegal which was observed to disappear in a vertical position, leaving a large number of men in the water. In another attack in the Bay of Biscay area on 2nd May, the U-boat caught fire and after submerging, 30 or more men were seen in the water. Admiralty lists 4 other attacks between 27th April and 2nd May, one 130 miles north of Faeroes and 3 off Cape Ortegal, which indicated damage or destruction.

6. Losses

Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 3rd May, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April	778	16	2.0%

V. WORKS

A. BOOM DEFENCE

It is reported from Louisburg, N.S., that the Crawler Crane has been received from North Sydney, N.S.

Materials have been prepared for the re-laying of A/T Nets at Wabana, Nfld.

Boom Defence Personnel have succeeded in the salvaging of H.C. "Kingsville", recently sunk in the harbour of St. John's, Nfld.

B. DEGAUSSING

It has been found upon investigation that bulkhead tubing of the small size, that is tubing that fits in the channel, has been used on one of the 4,700 ton Cargo Vessels, building at

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Quebec. Three junction boxes only were used and no difficulty was experienced in drawing in the cable.

The D.G. Range, Quebec, has suffered some damage from ice during the winter months and the contractor is at present making necessary repairs. The hut itself was found to be in excellent condition and the Range crew are now occupying the premises.

C. DEFENSIVELY EQUIPPED MERCHANT SHIPS

Inspections this week totalled 51.

Gun mounting was completed on 6 ships and 2 others are in hand for arming.

A total of 38 D.E.M.S. Vessels built to Imperial account in U.S. ports on the Great Lakes are expected to sail shortly via the St. Lawrence route. These ships will be armed in the U.S. with 12 Pdr. HA/LA guns and Oerlikons and arrangements are being made for them to procure ammunition at Quebec.

Due to the present shortage of Canadian D.E.M.S. ratings arrangements have been made with C.O.R.D. to have all R.C.N.V.R. Divisions obtain volunteers for D.E.M.S. Service. To date the response has been very promising and 100 ratings are shortly proceeding to Halifax for training.

The A/A Dome Teacher for instruction of Merchant Navy Personnel is being assembled at Montreal and the fitting of the Teacher at Sydney is expected to commence shortly. Both schools should be in operation in early June.

D. NAVAL ORDNANCE

Orders for armament stores including 27,000 Depth Charges to a total value of $3,213,000.00 have been raised in the month of April. Considerable progress has been made in choosing and supplying Armament equipment for Deep Brook.

Orders have been placed for 10 Q.F. 4 inch Mk.Vc guns and mounting Mk.III*, the former to be obtained from the United Kingdom and the latter to be manufactured in Canada for Algerine Minesweepers to be constructed.

The .22 Cooey Rifle for Sea Cadets is now in supply and 5500 are on order for the equipping of all existing Sea Cadet Corps and those to be established.

A small quantity of Commando Type Service Anti Gas Respirators have been obtained from the Army with a view to carrying out trials to determine whether it will be to advantage to adopt this lighter type for Service use in the R.C.N.

During April five Equipment and Trials Officers have been appointed across Canada to work on new construction ships. Excellent progress is being made particularly in the Great Lakes and St. Lawrence Areas.

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E. STORES

The equipment purchased by the Naval Stores amounted this week to $1,482,533.99.

Distribution

Report of the Three Services

Governor General
Prime Minister (2 copies)
Secretary, Cabinet War Committee
Secretary, Naval Board
Military Secretary (for Minister N.D.)
C. A. S.
C. G. S.
C. G. S. (for Director of Historical Section)
C.J.S., Washington, (3 copies)
Joint Service Committee, Atlantic Coast (3 copies)
Joint Service Committee, Pacific Coast (3 copies)
Sec. C.S.C.

Naval Report Only

Secretary, Defence Council (12 copies) Copies Nos.20-31
C. N. S. Copy No. 32
C. N.A. Copy No. 33
N.I.D. 4 (2 copies) Copies Nos. 34 and 35
Naval Historian Copy No. 36
Canadian Naval Liaison Officer, Seattle, Washington, Copy No. 37
D. Sec. Staff (for Staff Directors) Copy No. 38
D. of P. Copy No. 39

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C180346

MERCHANT SHIPPING CASUALTIES

SECRET Report number 18 for week ending May 3,1943. NS 1048-47-5

SHIPPING ATTACKED, DAMAGED OR SUNK BY ENEMY ACTION.
(In the U.S. Strategic area and North of the Equator)

	NAME	TONS	DATE	POSITION	DETAILS
138A	"McKEESPORT" (Am. cargo)	6198	Apr.29	61° 22'N 35° 09'W	Torpedoed and sunk.

SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

139A	"ZEUS" (Gr. cargo)	5961	Due Halifax 22/2 from U.K.	Overdue and now reported sunk.
140A	"RADHURST" (Br. cargo)	3454	Due New York 28/2 from U.K.	Overdue and now reported sunk.
141A	"STOCKPORT" (Br. cargo)	1683	Due St. John's, Nfld. 1/3 from U.K.	Overdue and now reported sunk.
142A	"JONATHAN STURGES" (Am. cargo)	7176	Due New York 3/3 from U.K.	Overdue and now reported sunk.
143A	"BARON KINNAIRD" (Br. cargo)	3355	Due San Pedro de Macoris prior to 25/3 from U.K.	Overdue and now reported sunk.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

132A	"SANTA CATALINA" (Am. cargo)	6500	See report #17 Feb.26/43.	Reported torpedoed now sunk.
128A	"LONE STAR" (Am. cargo)	5101	See report #17 Feb.26/43.	Reported torpedoed now arrived safely in Boston 30/4/43.
127A	"SCEBELI" (Nor. cargo)	3025	See report #17 Feb.26/43.	Reported torpedoed now sunk.

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.
(In U.S. Strategic area and North of the Equator)

84B	"EL ESTERO" (Pa. cargo)	4219	Apr.24	Off Bayonne	Caught fire and sank.
85B	"BORNHOLM" (Br. cargo)	3177	Apr.26	61° 15'N 22° 00'W (approx)	In collision with "BERKEL".
86B	"BERKEL" (Du. cargo)	2130	Apr.26	61° 15'N 22° 00'W (approx)	In collision with "BORNHOLM"
87B	"VAN DE VELDE" (Du. cargo)	6389	Apr.29	44° 12'N 54° 13'W	Badly damaged in collision, now arrived safely at St. John's, Nfld. Apr.29/43.

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SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area).

1942	600 cargo	205 tankers	TOTAL	805 ships	4,295,800 tons.

1943

JANUARY	7 cargo	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	21	6		27	169,026
MARCH	39	3		42	246,484
APRIL	16	3		19	110,018
MAY (to 3rd)	0	0		0	00,000
TOTAL	83 cargo	15 tankers	TOTAL	98 ships	585,650 tons.

SHIPPING LOST NORTH OF 40°N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL	200 ships	1,150,018 tons.

1943

JANUARY	1 cargo	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	19	6		25	156,757
MARCH	30	1		31	194,897
APRIL	13	2		15	89,369
MAY (to 3rd)	0	0		0	00,000
TOTAL	63 cargo	9 tankers	TOTAL	72 ships	455,570 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942

TOTAL	53 cargo	1 tanker	TOTAL	54 ships	143,263 tons.

1943

JANUARY	5 cargo	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
MARCH	2	1		3	27,685
APRIL	5	0		5	9,962
MAY (to 3rd)	0	0		0	00,000
TOTAL	17 cargo	3 tankers	TOTAL	20 ships	81,199 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING					
Apr. 12th	6 cargo	0 tankers	TOTAL	6 ships	29,969 tons.
Apr. 19th	0	0		0	00,000
Apr. 26th	5	0		5	28,790
May. 3rd	1	0		1	6,198
TOTAL	12 cargo	0 tankers	TOTAL	12 ships	64,957 tons.

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AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes	9	0	9	2	0	2
U.S. Atlantic Seaboard.	0	0	0	1	0	1
Bermuda Area.	2	0	2	0	0	0
Gulf of Mexico & Caribbean Area.	1	0	1	0	0	0
Trinidad Area.	0	0	0	0	0	0
TOTAL	12	0	12	3	0	3

NOTE:

All information contained in this report is secret, official use only, and not ot be communicated to the Press, Insurance Firms, or other Commercial interests.

(B) FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

78B "HENRY S. GROVE" (Am. Cargo) 6220 See report #17 Feb.26/43. In collision with "TORTUGUERO" Now arrived Halifax 24/4.

79B "TORTUGUERO" (Br. cargo) 5285 See report #17 Feb.26/43. In collision with "HENRY S. GROVE". Now arrived safely.

81B "ELIAS BOUDINOT" (U.S. Cargo) See report #17 Feb.26/43. In collision with "EL ALMIRANTE", Now arrived Halifax 21/4.

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MOST SECRET

ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOYS	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Apr.10	HX 232			"EDWARD B. DUDLEY"	
Apr,11	ON 176	"LANCASTRIAN PRINCE"			
Apr,11	UGS 6			"MATT W. RANSOM"#	
Apr,11	UGS 7			"JAMES W. DENVER"#	
Apr,12	HX 232	"ULYSSES"			
Apr,12	HX 232	"PACIFIC GROVE"			
Apr,12	HX 232	"FRESNO CITY"			
Apr,12	ONS 2	"INGERFIRE"			
Apr,17	HX 233	"FORT RAMPART"#			
Apr,21	ON 178	"SCEBELI"			
Apr,21	ON 178			"LONE STAR"	
Apr,21	ONS 3	"WANSTEAD"			
Apr,21	ONS 3	"ASHANTIAN"			
Apr,22	HX 234	"AMERIKA"			
Apr,29	ONS 5	"McKEESPORT"			

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS.

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	25	-	2	-
MARCH	743	39	-	6	-
APRIL	778	16	-	3	-

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MOST SECRET

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CSC. 190

DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 14th May, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 184

REPORT NO. 122

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 8th May, 1943		Total Strength as of 8th May, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	22	0	686	3393	4079
R.C.N.R.	2	8	955	5030	5985
R.C.N.V.R.	28	374	4619	45014	49633
Total	52	382	6260	53437	59697
W.R.C.N.S.	0	133	102	2308	2410
TOTAL STRENGTH	52	515	6362	55745	62107

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	346	2780	3126
WRCNS PERSONNEL	0	911	911
Total	346	3691	4037
TOTAL ACTIVE SERVICE STRENGTH	6016	52054	58070

B. CASUALTIES

James Clark HAY, A.B. V14886, Died, 3.5.43.

Alfred Eric SCALES, Ord. Smn. V10996, Died, 5.5.43.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	Total
Total wounded or Injured	11	149	160
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER
RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 8th May, 1943			Period from 31st Aug., 1939, to 8th May, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	50	411	461	5141	56255	61396
2. Promotions from Lower Deck	2	-2	-	1154	-1154	-
	52	409	461	6295	55101	61396
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	0	7	7	58	1788	1846
--Desertion	0	0	0	-	144	144
--Other Reasons	0	12	12	229	1493	1722
Discharges from Div. Str.	0	5	5	15	994	1009
Casualties:						
--Killed on Active Service	0	0	0	88	703	791
--Other Deaths	0	2	2	12	97	109
Total Deductions	0	26	26	402	5219	5621
4. Net Increase	52	383	435	5893	49882	55775
5. Personnel at Beginning of Period	6208	53054	59262	367	3555	3922
6. PRESENT STRENGTH	6260	53437	59697	6260	53437	59697

W.R.C.N.S. PERSONNEL

7. Enlistments to date	8	2452	2460
8. Promotions from Lower Deck	95	-95	-
	103	2357	2460
9. Discharges to date	1	49	50
10. PRESENT STRENGTH	102	2308	2410
11. TOTAL PRESENT STRENGTH (6 and 10)	6362	55745	62107

ADJUSTMENTS: 1 R.C.N.V.R. rating discharged to desertion and 1 recovered from desertion.

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D. DISTRIBUTION OF NAVAL PERSONNEL

	OFFICERS	RATINGS	TOTALS
1. AFLOAT			
Auxiliary Cruisers	61	290	351
Destroyers	206	2501	2707
Corvettes	461	5480	5941
Frigates	8	-	8
Minesweepers	432	4147	4579
Motor Launches	119	721	840
Base Supply Ships	35	183	218
Patrol Craft & Auxiliary Vessels	248	2640	2888
On loan to R.N.	561	1056	1617
TOTAL AFLOAT	2131	17018	19149
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	841	7198	8039
Cornwallis	278	4780	5058
Kings	391	238	629
Protector	105	1206	1311
Captor	50	241	291
Shelburne	30	301	331
Fort Ramsay	43	337	380
Chaleur	50	242	292
Hochelaga	44	294	338
St. Hyacinthe	45	1062	1107
TOTAL	1877	15899	17776
b. F.O.N.F.			
Avalon	297	2185	2482
c. C.O.P.C.			
Naden	221	3998	4219
Givenchy	214	1903	2117
Royal Roads	23	129	152
Chatham	59	613	672
Vancouver	117	214	331
TOTAL	634	6857	7491
d. C.C.C.S.			
Niobe	73	1019	1092
e. C.O.R.D.	382	6320	6702
f. "SUNDRY"			
BYTOWN	575	697	1272
BYTOWN II	16	424	440
SIGNAL STATIONS		472	472
PORTS & SHIPYARDS		85	85
D.E.M.S. ASHORE		66	66
MISCELLANEOUS ASHORE		268	268
TOTAL	591	2012	2603
TOTAL ASHORE	3854	34292	38146
SUMMARY			
Total Afloat	2131	17018	19149
Total Ashore			
a) Not under Training	3438	23917	27355
b) Under Training	416	10375	10791
GRAND TOTAL	5985	51310	57295

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 10th May

Launchings : Ships - 3 - HMC Frigate "NEW GLASGOW" 5th May at Esquimalt.
HMC Corvette "ATHOLL" 4th May at Quebec.
M.L.095, 3rd May at Midland.

Commissionings: Ships - 1 M.L.088 on 10th May at Toronto.
Local Craft and Auxiliary Vessels - 9

2. Total R.C.N. Vessels in Commission, 10th May.

Destroyers	15	
Corvettes	74	
Minesweepers	58	
Motor Launches	49	
Base Supply Ships	2	
Total Ships		198
Patrol Craft and Auxiliary Vessels		372
Total Vessels		570

3. Escort Ships in Operation and Under Repair.

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks.

	Week ended 3rd May		Week ended 10th May	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	177	77.1	181	78.0
Refitting or Repairing over 7 days	55	22.9	52	22.0
	232	100.0	233	100.0
New Construction Working up	1		1	

NOTE: "Ready for Service" includes ships' boiler cleaning or repairing not over 7 days.

4. Examination Service - Quebec

Full examination service was established at Quebec 5th of May.

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III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 8th May in whose protection the R.C.N. participated. The Canadian coastal convoys were protected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 1st May (Revised)	Week Ended 8th May
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	28	17
JH & HJ	Halifax/St. John's, Nfld.	19	18
BX & XB	Halifax/Boston	30	54
SH & HS	Sydney/Halifax	8	5
BW & WB	Sydney/Wabana	2	4
SPAB	Sydney/Port aux Basques	7	2
SPECIAL	Louisburg/Sydney	3	-
SPEC RIVER GROUP	Halifax/Montreal	-	4
SPECIAL	Sydney/Port aux Basques	-	2
		97	106

2. Atlantic Convoys

W/e 1/5			W/e 8/5				
HHX	236	11	HHX	237	12		
ON	180	66	SC	129	26		
ON	181	46	ONJ	181	2		
ONS	6	30	HX	238	34		
HX	237	40	ON	182	57		
		193			131	193	131
				TOTAL		290	237

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: ON 180, ON 181, HX 237, ON 182.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	385,960	465,716
Atlantic Convoys	1,333,400	811,987
TOTAL	1,719,360	1,277,703

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IV. U-BOAT ACTIVITIES

1. Canadian Coastal Area

Two attacks were made on sound contacts in these waters during the week, one near St. Paul Island in Cabot Strait and one 200 miles south of Halifax.

Several reports have been received of sightings in the Gulf of St. Lawrence. One of these was by a military passenger in an aircraft, who reported sighting the conning tower and periscope of a submerging submarine near the Magdalene Islands. It is not confirmed that any of the objects sighted have been submarines.

2. North Atlantic Area

There continues to be a heavy concentration of U-boats in this area and a number of attacks and sinkings have been made by submarines. In most of these attacks few ships have been sunk with the exception of Convoy ONS 5, of which the enemy succeeded in sinking 12 merchant ships. This success was achieved, however, at heavy cost for preliminary investigation reveals that 4 U-boats were definitely destroyed, 4 very probably destroyed, 2 probably destroyed and possibly 7 others. The normal escort of this group had been supplemented by the Third Support Group but owing to shortage of fuel, 5 of the escorts were forced to detach.

On the 4th of May M.T.B. 670 picked up U-boat survivors swimming in the water 110 miles off Cape Finisterre, who stated that 2 U-boats had been sunk. A Liberator aircraft also attacked a U-boat on the surface on the same day 750 miles west of Ushant. There was considerable evidence that it was destroyed. On 7th May a Sunderland aircraft had a similar success 200 miles northwest of Cape Ortegal. At least 6 attacks by aircraft in the Iceland area since the 4th of May are considered to be promising and Admiralty continues to send reports indicating the success which is being wrought by planes of the Coastal Command operating in the Bay of Biscay area. In 4 weeks to the 11th of May, 69 sightings and 46 attacks were made on U-boats proceeding to and from Bay of Biscay ports.

3. U.S. Atlantic Coastal Area

The only attacks on merchant shipping in this area were the sinkings of the Tanker S.S. "PANAM", torpedoed on the 4th of May 100 miles southeast of Cape Lookout, and S.S. "ONEDIA", sunk 140 miles southeast of Chesapeake Bay also on the 4th. One U-boat was attacked by aircraft 90 miles east of Southport and another was sighted by an aircraft in the same general area.

4. Adjacent Areas

There is little to report in areas other than those mentioned above. A motor boat was shelled by a U-boat in Windward Passage on the 8th of May.

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5. Losses

Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 10th May, 1943, are as follows:-

Month 1942	Ships Convoyed	Ships sunk while under escort	% Sunk
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April	778	16	2.0%
May (to 10th)	217	8	3.7%

V. STORES

The equipment purchased by the Naval Stores amounted this week to $698,572.91.

VI. WORKS

As this report is to be made up only once a month in future, there will be no report on Works for the other three weeks except in the case of special items which will be included as they occur.

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MERCHANT SHIPPING CASUALTIES

SECRET Report number 19 for week ending May 10,1043. NS 1048-47-5

(A)

SHIPPING ATTACKED, DAMAGED OR SUNK DUE TO ENEMY ACTION.
(In U.S. Strategic area and North of the Equator)

	NAME	TONS	DATE	POSITION	DETAILS
144A	"MELBOURNE STAR" (Br. cargo)	12806	Apr.7	28° 00'N 57° 00'W	Torpedoed and sunk.
145A	"SILVERMAPLE" (Br. cargo)	5313	Apr.23		Torpedoed and arrived Iceland 26/4.
146A	"ONEIDA" (U.S. cargo)	2664	May.4	37° 20'N 73° 00'W (approx)	Sunk, possibly due to enemy action.
147A	"PANAM" (Pa. tanker)	7277	May 4	34° 01'N 76° 09'W	Torpedoed and sunk.
148A	"WEST MADAKET" (Am. cargo)	5565	May 5	54° 27'N 45° 10'W	Torpedoed and presumed sunk.
149A	"GHARINDA" (Br. cargo)	5306	May 5	53° 38'N 44° 32'W (approx)	Torpedoed.
150A	"BONDE" (Nor, cargo)	1507	May 5	53° 38'N 44° 32'W (approx)	Torpedoed.
151A	"SELVISTAN" (Br. cargo)	5136	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
152A	"NORTH BRITAIN" (Br. cargo)	4635	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
153A	"HARPERLEY" (Br. cargo)	4586	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
154A	"WEST MAXIMUS" (Am. cargo)	5561	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
155A	"WENTWORTH" (Br. cargo)	5213	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
156A	"BRISTOL CITY" (Br. cargo)	2864	May 5	53° 38'N 44° 32'W (approx)	Torpedoed and sunk.
157A	"DIRECTOR" (Br. cargo)	5107	May 5	55° 00'N 43° 00'W (approx)	Torpedoed and sunk.
158A	"DOLIUS" (Br. cargo)	5507	May 5	55° 00'N 43° 00'W (approx)	Torpedoed.

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SHIPS OVERDUE AND CONSIDERED LOST DUE TO ENEMY ACTION.

159A	"NORTIND" (Nor. cargo)	8221	Due Mersey 1/2/43 from New York.	Overdue and now reported sunk.
160A	"CORDELIA" (Br. tanker)	8190	Due U.K. 5/2/43 from New York.	Overdue and now reported sunk.
161A	"POLYKTOR" (Gr. cargo)	4077	Due Belfast 10/2/43 from Halifax.	Overdue and now reported sunk.
162A	"JULIUS THOMSEN" (Br. cargo)	1151	Sailed Godthaal 27/3/43 for Ivigtut.	Overdue and now presumed sunk.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

64A	"EMPIRE LIGHT" (Br. tanker)	6537	See report #10, Mar.8/43.	Reported torpedoed now sunk.

(D)

SHIPPING IN DISTRESS DUE TO GROUNDING, COLLISION AND OTHER MARINE CAUSES.

(In U.S. Strategic area and North of the Equator)

88B	"NEW ZEALAND STAR" (Br. cargo)	12,436	May 6	54° 40'N 47° 30'W (approx)	In collision with escort.
89B	"ELIZA GOREHAM" (Br. schooner)	79	May 9	Off St. Pierre.	Sank.

FURTHER INFORMATION REGARDING PREVIOUS REPORTS.

55B	"HARTWELSON" (Am. cargo)	3078	See report #10, 8/3/43.	Reported that she ran ashore, now sunk.
57B	"ALCOA GUARD" (Am. cargo)	4905	See report #11, 15/3/43.	Reported in collision with "TAMESIS" arrived in Bermuda 14/3/43.
58B	"TAMESIS" (Nor. cargo)	7256	See report #11, 15/3/43.	Reported in collision with "ALCOA GUARD" now sunk.
71B	"CAMPFIRE" (Am. cargo)	5671	See report #15, 12/4/43.	Reported in collision, now arrived Oversay 22/4/43.
74B	"REGINOLITE" (Br. tanker)	9069	See report #15, 12/4/43.	Reported grounded, now arrived New York 6/5/43.
85B	"BORNHOLM" (Br. cargo)	3177	See report #18, 3/5/43.	Reported in collision with "BERKEL" now arrived at Reykjavik 29/4/43 for repairs.

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SUMMARY OF MERCHANT LOSSES DUE TO ENEMY ACTION.
(North of the Equator within U.S. Strategic area).

1942	600 cargo	205 tankers	TOTAL	805 ships	4,295,800 tons.
1943					
JANUARY	7 cargo	3 tankers	TOTAL	10 ships	60,122 tons.
FEBRUARY	24	7		31	190,665
MARCH	39	4		43	253,021
APRIL	17	3		20	123,824
MAY (to 10th)	9	1		10	48,608
TOTAL	96 cargo	18 tankers	TOTAL	114 ships	676,240 tons.

SHIPPING LOST NORTH OF 40°N WITHIN U.S. AREA.
(Included in above totals)

1942	162 cargo	38 tankers	TOTAL	200 ships	1,150,018 tons.
1943					
JANUARY	1 cargo	0 tankers	TOTAL	1 ships	14,547 tons.
FEBRUARY	22	7		29	178,396
MARCH	30	2		32	201,434
APRIL	13	2		15	89,369
MAY (to 10th)	8	1		9	45,944
TOTAL	74 cargo	12 tankers	TOTAL	86 ships	529,701 tons.

SHIPPING LOST DUE TO MARINE CAUSES.
(U.S. Strategic area North of the Equator)

1942					
TOTAL	53 cargo	1 tanker	TOTAL	54 ships	143,263 tons.
1943					
JANUARY	5 cargo	2 tankers	TOTAL	7 ships	28,389 tons.
FEBRUARY	5	0		5	15,163
MARCH	3	1		4	30,763
APRIL	5	0		5	9,962
MAY (to 10th)	1	0		1	79
TOTAL	19 cargo	3 tankers	TOTAL	22 ships	84,356 tons.

SHIPPING LOSSES DURING THE PAST FOUR WEEKS DUE TO ENEMY ACTION.
(In U.S. Strategic area North of 0°)
(Subject to revision)

WEEK ENDING.

Apr. 19th	0 cargo	0 tanker	TOTAL	0 ships	00,000 tons.
Apr. 26th	5	0		5	28,790
May 3rd	1	0		1	6,198
May 10th	9	1		10	48,608
TOTAL	15 cargo	1 tanker		16 ships	83,596 tons.

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AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	13	0	13	5	0	5
U.S. Atlantic Seaboard.	2	0	2	1	0	1
Bermuda Area.	1	0	1	0	0	0
Gulf of Mexico & Caribbean Area.	0	0	0	0	0	0
Trinidad Area.	0	0	0	0	0	0
TOTAL	16	0	16	6	0	6

NOTE:
All information contained in this report is secret, official use only, and not to be communicated to the Press, Insurance Firms, or other Commercial interests.

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOYS	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Apr,17	HX 223	"FORT RAMPART"#			
Apr,21	ON 178	"SCEBELI"			
Apr,21	ON 178			"LONE STAR"	
Apr,21	ONS 3	"WANSTEAD"			
Apr,21	ONS 3	"ASHANTIAN"			
Apr,22	HX 234	"AMERIKA"			
Apr,23	HX 234			"SILVERMAPLE"	
Apr.29	ONS 5	"McKEESPORT"			
May 5	ONS 5	"WEST MADAKET"			
May 5	ONS 5			"GHARINDA"	
May 5	ONS 5			"BONDE"	
May 5	ONS 5	"SELISTAN"			
May 5	ONS 5	"NORTH BRITAIN"			
May 5	ONS 5	"HARPERLEY"			
May 5	ONS 5	"WEST MAXIMUS"			
May 5	ONS 5	"WENTWORTH"			
May 5	ONS 5	"BRISTOL CITY"			
May 5	ONS 5	"DIRECTOR"			
May 5	ONS 5			"DOLIUS"	

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	28	-	2	-
MARCH	743	40	-	6	-
APRIL	789	16	-	4	-
MAY (to 10th)	217	8	-	3	-

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AREAS IN WHICH ATTACKS TOOK PLACE DURING THE PAST FOUR WEEKS.

	SINKINGS			OTHER ATTACKS		
	In convoy	Unescorted	TOTAL	In convoy	Unescorted	TOTAL
Canada-UK Shipping Lanes.	13	0	13	5	0	5
U.S. Atlantic Seaboard.	2	0	2	1	0	1
Bermuda Area.	1	0	1	0	0	0
Gulf of Mexico & Caribbean Area.	0	0	0	0	0	0
Trinidad Area.	0	0	0	0	0	0
TOTAL	16	0	16	6	0	6

NOTE:

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ATTACKS ON TRANS-ATLANTIC CONVOYS DURING THE PAST FOUR WEEKS.

		SUNK		OTHER ATTACKS	
DATE	CONVOYS	IN CONVOY	EX CONVOY	IN CONVOY	EX CONVOY
Apr,17	HX 223	"FORT RAMPART"#			
Apr,21	ON 178	"SCEBELI"			
Apr,21	ON 178			"LONE STAR"	
Apr,21	ONS 3	"WANSTEAD"			
Apr,21	ONS 3	"ASHANTIAN"			
Apr,22	HX 234	"AMERIKA"			
Apr,23	HX 234			"SILVERMAPLE"	
Apr 29	ONS 5	"McKEESPORT"			
May 5	ONS 5	"WEST MADAKET"			
May 5	ONS 5			"GHARINDA"	
May 5	ONS 5			"BONDE"	
May 5	ONS 5	"SELISTAN"			
May 5	ONS 5	"NORTH BRITAIN"			
May 5	ONS 5	"HARPERLEY"			
May 5	ONS 5	"WEST MAXIMUS"			
May 5	ONS 5	"WENTWORTH"			
May 5	ONS 5	"BRISTOL CITY"			
May 5	ONS 5	"DIRECTOR"			
May 5	ONS 5			"DOLIUS"	

# Indicates attacks outside U.S. Strategic area.

TRANS-ATLANTIC CONVOYS

The following table lists the number of ships sailing in HX, SC, and ON convoys during recent months and the number of attacks made on them.

		SHIPS SUNK		OTHER ATTACKS	
	Ships convoyed	In convoy	Ex convoy	In convoy	Ex convoy
NOVEMBER	533	18	5	1	-
DECEMBER	604	20	2	4	-
JANUARY	597	3	-	1	-
FEBRUARY	639	28	-	2	-
MARCH	743	40	-	6	-
APRIL	789	16	-	4	-
MAY (to 10th)	217	8	-	3	-

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DEPARTMENT OF NATIONAL DEFENCE (NAVAL SERVICE)

Ottawa, 21st May, 1943.

Weekly Summary of Information respecting Departmental Activities

SUMMARY NO. 185

REPORT NO. 123

-vVv-

I. PERSONNEL

A. PRESENT STRENGTH

TOTAL STRENGTH

	Net Change Week Ending 15th May, 1943		Total Strength as of 15th May, 1943		
	Officers	Ratings	Officers	Ratings	Total
R.C.N.	9	3	695	3396	4091
R.C.N.R.	1	-18	956	5012	5968
R.C.N.V.R.	12	586	4631	45602	50233
Total	22	571	6282	54010	60292
W.R.C.N.S.	0	71	102	2379	2481
TOTAL STRENGTH	22	642	6384	56389	62773

DIVISIONAL STRENGTH
(included in above)

NAVAL PERSONNEL	344	2436	2780
WRCNS PERSONNEL	0	800	800
Total	344	3236	3580
TOTAL ACTIVE SERVICE STRENGTH	6040	53153	59193

B. CASUALTIES

Mack P. THRASHER, Sto. (M), V32411, Died of wounds received in action.

TOTAL DEATHS TO DATE ARE GIVEN IN SECTION C.

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	Officers	Ratings	Total
Total wounded or injured	11	149	160
Prisoners of War	4	2	6

C. PERSONNEL TURNOVER
RCN, RCNR, RCNVR

NAVAL PERSONNEL	Week Ended 15th May, 1943			Period from 31st Aug., 1939, to 15th May, 1943		
	Officers	Ratings	Total	Officers	Ratings	Total
1. Enlistments	22	602	624	5163	56857	62020
2. Promotions from Lower Deck	2	-2	-	1156	-1156	-
	24	600	624	6319	55701	62020
3. Deductions from Strength						
Discharges from Active Service:						
--Medically Unfit	2	11	13	60	1799	1859
--Desertion	-	3	3	-	147	147
--Other Reasons	0	8	8	229	1501	1730
Discharges from Div. Str.	0	4	4	15	998	1013
Casualties:						
--Killed on Active Service	0	1	1	88	704	792
--Other Deaths	0	0	0	12	97	109
Total Deductions	2	27	29	404	5246	5650
4. Net Increase	22	573	595	5915	50455	56370
5. Personnel at Beginning of Period	6260	53437	59697	367	3555	3922
6. PRESENT STRENGTH	6282	54010	60292	6282	54010	60292
W.R.C.N.S. PERSONNEL						
7. Enlistments to date				8	2525	2533
8. Promotions from Lower Deck				95	-95	-
				103	2430	2533
9. Discharges to date				1	51	52
10. PRESENT STRENGTH				102	2379	2481
11. TOTAL PRESENT STRENGTH (6. and 10.)				6384	56389	62773

ADJUSTMENTS: 5 R.C.N.V.R. ratings discharged to desertion and 2 ratings recovered from desertion.

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D. DISTRIBUTION OF NAVAL PERSONNEL

	OFFICERS	RATINGS	TOTALS
1. AFLOAT			
Auxiliary Cruisers	58	250	308
Destroyers	209	2522	2731
Corvettes	461	5493	5954
Frigates	6	-	6
Minesweepers	434	4135	4569
Motor Launches	118	3724	3842
Base Supply Ships	36	185	221
Patrol Craft & Auxiliary Vessels	254	2627	2881
On loan to R.N.	564	1054	1618
TOTAL AFLOAT	2140	19990	22130
2. ASHORE (including WRCNS)			
a. C.O.A.C.			
Stadacona	858	7313	8171
Cornwallis	283	5006	5289
Kings	387	235	622
Protector	106	1236	1342
Captor	49	234	283
Shelburne	29	308	337
Fort Ramsay	43	363	406
Chaleur	51	241	292
Hochelaga	46	310	356
St. Hyacinthe	45	1097	1142
TOTAL	1897	16343	18240
b. F.O.N.F.			
Avalon	297	2293	2590
c. C.O.P.C.			
Naden	219	4029	4248
Givenchy	216	1955	2171
Royal Roads	23	134	157
Chatham	58	540	598
Vancouver	117	222	339
TOTAL	633	6880	7513
d. C.C.C.S.			
Niobe	73	1016	1089
e. C.O.R.D.	380	6240	6620
f. "SUNDRY"			
BYTOWN	585	705	1290
BYTOWN II	16	501	517
SIGNAL STATIONS		483	483
PORTS & SHIPYARDS		92	92
D.E.M.S. ASHORE		67	67
MISCELLANEOUS ASHORE		270	270
TOTAL	601	2118	2719
TOTAL ASHORE	3881	34890	38771
SUMMARY			
Total Afloat	2140	19990	22130
Total Ashore			
a) Not under Training	3465	24515	27980
b) Under Training	416	10375	10791
GRAND TOTAL	6021	54880	60901

(The compilation of figures showing distribution of Personnel is dependent on reports spread over considerable time and distance. Consequently the figures will not balance with those shown on page one.)

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II. SHIPS EMPLOYED ON ESCORT DUTY (including H.M.C. Local Craft and Auxiliary Vessels)

1. New Construction of R.C.N. Ships and Vessels, week ended 17th May

Launchings : Ships - Nil
Commissionings: Ships - 2 - M.L. 095 on 12th May at Midland.
M.L. 091 on 17th May at Toronto.
Local Craft and Auxiliary Vessels - 1

2. Total R.C.N. Vessels in Commission, 17th May

Destroyers	15	
Corvettes	74	
Minesweepers	58	
Motor Launches	51	
Base Supply Ships	2	
Total Ships		200
Patrol Craft and Auxiliary Vessels		373
Total Vessels		573

3. Escort Ships in Operation and Under Repair

The following table shows the average number and percentage of H.M.C. Escort Ships and H.M. and Allied Vessels under the administrative and operational orders of R.C.N. Authorities which have been in Service and under repair during the past two weeks.

	Week ended 10th May		Week ended 17th May	
	No. of Escort Ships	Percentage	No. of Escort Ships	Percentage
Ready for Service	181	78.0	183	78.5
Refitting or Repairing over 7 days	52	22.0	50	21.5
	233	100.0	233	100.0
New Construction Working Up	1		3	

NOTE: "Ready for Service" includes ships' boiler cleaning or repairing not over 7 days.

III. CONVOYS

The following table summarises the convoy sailings during the two weeks ended 15th May in whose protection the R.C.N. particpated. The Canadian coastal convoys were pro-

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tected wholly by R.C.N. ships. R.C.N. ships were responsible for the protection of trans-Atlantic convoys to the extent noted below:-

Short Title	Terminal Ports	Week Ended 8th May (Revised)	Week Ended 15th May
1. Canadian Coastal Convoys			
HF & FH	Halifax/St. John, N.B.	17	25
JH & HJ	Halifax/St. John's, Nfld.	18	1
BX & XB	Halifax/Boston	73	67
SH & HS	Sydney/Halifax	9	31
BW & WB	Sydney/Wabana	4	7
CL & LC	Sydney/St. John's, Nfld.	-	32
SQ & QS	Quebec/Sydney	-	2
SPAB	Sydney/Port aux Basques	2	4
SPEC RIVER GROUP	Halifax/Montreal	4	-
SPECIAL	Sydney/Port aux Basques	2	-
SPECIAL	Halifax/Cable Ship	-	1
		129	170

2. Atlantic Convoys

	W/e 8/5			W/e 15/5	
HHX	237	12	HHX	238	12
SC	129	26	WHX	238	2
ONJ	181	2	HX	239	32
HX	238	34	HHX	239	12
ON	182	57	SC	130	37
ONS	7	42	WSC	130	3
			ON	183	33
			WON	181	1
			ONSJ	7	9
		173			141
				173	141
			TOTAL	302	311

Canadian groups formed the Western Local Escort for all Convoys and Mid Ocean Escort for Convoys: ON 181, HX 237, ON 182, HX 238, SC 130, ON 183.

3. Gross Tonnage of Ships Convoyed

Canadian Coastal Convoys	587,298	608,237
Atlantic Convoys	1,024,544	852,428
TOTAL	1,611,842	1,460,665

4. General

In view of numerous sightings in the Gulf of St. Lawrence, H.M.C. Base Supply Ship "PROVIDER" and the 78th M.L. Flotilla were allocated to the Gaspe Force on the 16th of May and sailed for Sydney on the same date.. Four available Motor Launches of the 77th Flotilla sailed from Halifax for

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Sydney P.M. of the 17th and the available Motor Launches of the 76th Flotilla sailed for Sydney P.M. of the 18th. They will be based at Gaspe as soon as ice conditions permit safe day and night operations. On the 17th, N.O.I.C. Gaspe reported that the ice had completely disappeared from Gaspe Harbour, the north west Arm and the inner harbour, although it was considered that small pieces of ice would continue to drift down from the rivers during the following few days.

With the withdrawal of CTF 24 from operational control of HX, SC and ON Convoys in the Canadian North West Atlantic on the 30th of April, N.S.H.Q. proposed that in future assessment of attacks on U-boats in this area be made by Admiralty, relieving CTF 24. Admiralty in their report of 2250 of the 13th promulgated a new arrangement for assesments of attacks on U-boats as follows:

1. As from the 15th of May, Cominch will assess all attacks on targets known or believed to be U-boats made by U.S. Forces and by forces of nationalities other than British or American operating under American control.

2. Admiralty will assess the remainder of such attacks except where these occur in the Levant with the Eastern Fleet and in Australian waters.

IV. U-BOAT ACTIVITIES

1. Canadian Coastal Area

There have been no attacks on shipping in Canadian and Newfoundland waters during the week, but numerous reports by shore watchers and aircraft of U-boats, periscopes and streaks of oil in the Gulf of St. Lawrence and off St. John's, Newfoundland, Cape Race and Halifax have given rise to the suspicion that three or more U-boats have entered these waters. The discovery of radio equipment hidden in the woods nine miles up Bathurst Rd. from Chatham, N.B., on the 17th also created some uneasiness.

2. North Atlantic Area

As usual the concentration of U-boats is in this area, although the rate of shipping losses is higher this month than last, there is evidence that the trend of U-boat warfare is running in our favour. The work of Support Groups coupled with an increase in air cover had added materially to the protection afforded Convoys and accelerated the mortality rate of U-boats of which several have been reported as sunk.

3. U.S. Atlantic Area

An attack was made on a U-boat 150 miles S.E. of New York on the 16th of May.

There were no attacks on shipping during the week.

4. Caribbean Area

Two merchant ships SS "MAMBI" and "NICKELINER" were sunk by torpedo in Old Bahama Channel on the 13th of May. No other activity was reported.

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5. Aleutians Area

U.S. investment of the outer Aleutians began on the 11th of May and although bad weather hampered attacks by Allied aircraft over 11,000 U.S. troops had been landed on Attu Island by the 16th. The invasion was preceded and has since been supported by heavy Naval bombardments, which have been effective in temporarily silencing Japanese batteries. On the 18th, the enemy on Attu Island had been driven from the ridge between the east and west arms of Holtz Bay, Attu and driven back at the junction of Massacre and Holtz Bay valleys by a flanking movement.

Despite fog, Allied aircraft based at Amchitka Island bombed installations and air fields both on Attu and Kiska, and while observation was difficult, some hits were seen. Enemy submarines were sighted north of Kiska on the 15th of May and north west of Attu on the 16th. The enemy garrison at Attu Island was estimated to be about 1350 men and that on Kiska about 10,000 men.

6. Losses

Losses sustained during recent months by convoys operating between North America and U.K., on the basis of information received up to 17th May, 1943, are as follows:-

Month	Ships Convoyed	Ships sunk while under escort	% Sunk
1942			
January	685	9	1.3%
February	613	14	2.3%
March	600	6	1.0%
April	656	1	.2%
May	563	9	1.6%
June	591	5	.9%
July	609	5	.8%
August	735	21	2.8%
September	685	16	2.3%
October	668	25	3.8%
November	533	25	4.7%
December	576	22	3.8%
1943			
January	765	2	.3%
February	639	25	3.9%
March	640	35	5.5%
April	778	16	2.0%
May (to 17th)	438	14	3.2%

V. STORES

The equipment purchased by the Naval Stores amounted this week to $1,611,185.84.

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