

PART PLAYED BY AIRCRAFT IN FIGHT FOR SUBMARINES

Coming of Armistice Prevented Final Testing in Prolonged Duel—New Secrets Revealed.

In a lecture delivered before the Scottish branch of the Royal Aeronautical Society, in London, Colonel L. H. Strain, who was in charge of the Aeroplane versus Submarine Department of the admiralty, revealed some of the secrets of the war. The Air Ministry granted him permission to lecture, but disclaimed responsibility for the views he set forth. He was able to describe with many examples the functions of aircraft in attacking submarine bases, patrolling large areas of the sea and escorting and protecting shipping. Towards the end of the war, although the latter was still doing a considerable amount of damage to shipping, the navy was rapidly getting its measure, and the enemy submarines were being sunk more rapidly than they could be replaced. British submarines hunting their enemies, mystery ships, hunting flotillas and destroyers all played their part, but aircraft, although their development for this purpose was retarded, came to have increasing importance, and, according to the views of Colonel Strain, are likely to have an almost decisive importance in the future.

At the beginning of the war, senior naval officers in charge of anti-submarine operations were inclined to overstate the value of aircraft. Not realizing the engine deficiencies of the early types and the frequent absence of transference in the water, they thought that aeroplanes, patrolling fifteen times as fast as a fast trawler and "spotting" submarines from above, would sink or drive away the latter. In actual fact, they were at first only about twenty miles around the British coast, and the engines of these were so unreliable that destroyers had constantly to be detached for salving them. The shallow waters of the North Sea were seldom transparent, and as a final difficulty there were no aerial observers trained for marine work. After the inevitable early disappointments senior naval officers ceased to ask for the services of the R. N. A. S. in the early stages of the war, their efforts diverted to the west front.

Early in 1915 kite balloons were adapted for work at sea, and the "Blimps," which consisted of an old-fashioned aeroplane fuselage with pilot and observer, suspended from a bag of hydrogen, were introduced with some success. But when Lord Jellicoe reorganized the war staff at the admiralty a special department was created to deal exclusively with anti-submarine matters, and developments followed. What was practically a new service was born. This, however, had not reached its full possibilities when the armistice came, because the War Cabinet, in view of the importance of the bombing of Berlin, and ordered that the provision of anti-submarine aircraft should be subordinated to the equipment of a large independent air force for bombing the interior of Germany. Nevertheless, the effect on the submarine operations of the enemy was considerable.

The U-Boat Hunters.

For operations in the southern part of the North Sea, the chief German bases for submarines were at Ostend, Bruges and Zeebrugge. The naval air station at Dunkirk was the centre of operations against these. Between April and September, 1918, 10,422 bombs, weighing 845,908 lbs., or just over 344 tons, were dropped on these German submarine bases, an average of 57 bombs every day or night. The bombs varied in size from 1,600 lbs. to incendiaries of 16 to 40 lbs. The Germans had to build immense concrete shelters to protect their submarines, thus anticipating Admiral Sir Percy Scott's statement that the naval harbors of the future will have to be protected in this way. But even these shelters were insufficient to protect the submarines, which could be caught while entering or leaving. Direct hits, moreover, caused the collapse of more than one of the shelters.

Notices of Births, Marriages and Deaths, 50 cents.

BIRTHS

OSBORNE—To Mr. and Mrs. Robert Osborne, 210 St. George street, W. E., on Jan. 14, a son, Robert Millard Hollinworth.
HARLEY—To Mr. and Mrs. John J. Harley, 68 Murray street, Jan. 14, 1921, a son.
ATHAM—Daughter, Jean, born on Jan. 14 at Evangeline Maternity Home.
MILFON—On Jan. 15, 1921, to Mr. and Mrs. A. R. Milford, 229 Newman street, a daughter, Marjorie Edith.
VINCENT—To Mr. and Mrs. Walter Vincent, 121 Metcalf street, at the Evangeline Maternity Home, on Jan. 14, 1921, a daughter, Lena Dorothy.

DEATHS

ROBERTSON—In this city on Saturday, 14th inst., at his residence, 4 Carleton street, James F. Robertson, in his 82nd year.
Funeral Monday afternoon, January 18, from St. John's (Stone) Church, service at half-past two. No flowers, by request.
FERGUSON—At his home in Waterborough, Queens county, N. B., on the 14th inst., a Lee Ferris, leaving a wife and three children to mourn.
OWENS—In this city on Jan. 14, 1921, John J. Owens, in the 28th year of his age, leaving his wife, mother, two brothers and two sisters to mourn.
Funeral on Monday morning at 8:45 o'clock, from the residence of his aunt, is Coburg street, to Cathedral for requiem high mass.
MACLEOD—At the St. John County Hospital on Jan. 14, 1921, Marcella Macleod, aged 14 years, daughter of Mrs. Macleod and Mrs. E. Macleod, leaving no sister to mourn.
Funeral Sunday at 8 o'clock from 257 Charlotte street, city.

CARD OF THANKS

Mrs. John T. Browne and family wish to thank the members of Golden Rule Lodge, No. 46, I. O. O. F., Rebecca Level Lodge, and friends for sympathy, kindness and floral tributes during their recent bereavement.
Mr. and Mrs. George Burnett wish to thank the many friends, also the doctors and nurses of the General Public Hospital for kindness and sympathy shown them in their recent bereavement.

CARE OF FEEBLE MINDS; ALSO A PRISON FARM

Advanced Recommendations in Nova Scotia Following Survey of Province.

Halifax, N. S., Jan. 15.—Proposals by the Canadian National Committee on mental hygiene, following a survey of Nova Scotia, recommending the abolition of the present system of county asylums and substituting a provincial institution for the feeble minded, and also suggesting the establishment of a central prison farm and prisoners' industrial colonies in Nova Scotia are being forwarded by the provincial government to cities, towns and municipalities of the province for consideration.
Hon. E. H. Armstrong will suggest an early conference. He has already communicated with the city of Halifax on the subject.

At a meeting of the Nova Scotia Society for Mental Hygiene, held here this week, it was arranged to appoint a permanent paid official to travel throughout the province and investigate the conditions of the feeble minded in Nova Scotia. Arrangements are being made for mental clinics at the Halifax dispensary.

PERSONALS

Mrs. Stanley Bridges will receive for the first time since her marriage Wednesday afternoon, Jan. 19, at her residence, 146 Duke street.
Mrs. Thomas Kee, 148 Leinster street, entertained this week in honor of Mrs. A. B. Snow and Mrs. Pugh.
H. G. Hazen, of Toronto, chief engineer of the Canadian National Railways arrived in the city in his private car this morning. He was accompanied by his wife and daughter.

The ground was all covered with snow one day, and two little sisters were busy at play. When a snow-bird was sitting close by, and on a tree, and chirping his chick-a-dee-dee, chick-a-dee-dee, chick-a-dee-dee. And merrily singing his chick-a-dee-dee.

He had not been singing that tone very long. Ere Emily heard him, so loud was his song. "Oh, look out of the window!" said she. "Here's a dear little bird singing chick-a-dee-dee, chick-a-dee-dee, chick-a-dee-dee. Here's a dear little bird singing chick-a-dee-dee."

"Oh, mother, do get him some stockings and shoes, and a nice little frock, and a hat if he does not have one."
I wish he'd come into the parlor and see how warm we would make him, poor chick-a-dee-dee, chick-a-dee-dee, chick-a-dee-dee. How warm we would make him, poor chick-a-dee-dee."

"There is one, my dear child, though I cannot tell you, has clothed me wholly, and warm as I am. Good-morning—Oh who are so happy as we?"
And away he went, singing his chick-a-dee-dee, chick-a-dee-dee, chick-a-dee-dee. And away he went singing his chick-a-dee-dee."

To the Muse (William Cory.)
Guide me with song, kind Muse, to death's dark shade;
Keep me in sweet accord with boy and girl,
Still in fresh blooms of art and truth arrayed.
Bear with old age, blithe child of memory!
Time loves the good; and youth and age,
To Sophocles and Plato, till they die.
Playmate of freedom, queen of night,
Enough to see,
Draw near; thy voice grows faint; my spirit fails
Still with thee, whether sleep or death assail.

Inconceivable Folly.
Success and Failure.
Genius is only the power of making continuous efforts. The line between failure and success is so fine that we scarcely know when we pass it—so fine that we are often on one side and do not know it. How many a man has thrown up his hands at a time when a little more patience, a little more patience would have achieved success. As the tide goes clear out so it comes clear in. In business, sometimes, prospects may seem darkest when really they are on the turn. A little more persistence, a little more effort, and what seemed hopeless failure may turn to glorious success. There is no defeat except in no longer trying. There is no defeat except from within, no really insurmountable barrier, save our own inherent weakness of purpose—Robert Hubbard.

CONDENSED NEWS

The Bolshevik premier, Lenin, is not dead.
Two earth tremors occurred on Thursday night in Feana, in north central Italy between Bologna and Ravenna.
It is said that upon his agreement to indemnity as a result of the killing of Lieutenant Warren H. Langdon, of the U. S. cruiser Albany, in Vladivostok, by Admiral Albert Gleaves, commander-in-chief of the U. S. Asiatic fleet, with a court of inquiry will leave Manila tomorrow for Vladivostok to investigate the killing of Lieut. Warren H. Langdon.
LAST NIGHT'S STORM.
The severe wind and rain storm last night affected the telephone wires and several lines were out of order in the city this morning, but there were no serious breaks. Linemen went out this morning and repairs in the most of cases were made before noon. Through the province there was no more than the usual amount of damage reported.

GOOD THINGS COMING TO THEATRES OF ST. JOHN.

FAMOUS "SILVER TENOR" HEARD AT OPERA HOUSE

Anthony Guarino was given a flattering reception in the Opera House last evening at the initial performance of the week-end programme. He is no stranger to a St. John audience and enjoys the title on the vaudeville stage of "The Silver Tenor." He appeared in a high-class vocal offering with Augusta Cooper, and their solos and duets were well received. Their closing duet, taken from one of the famous operas, made a decided hit.

Another act which was very popular was that of De Voe and Stator, who appeared in a novel gymnastic and musical offering. After playing on bajos and saxophones, they gave a brilliant demonstration of acrobatic feats, which evoked prolonged applause.

Bert Stoddard was also well received in a novel musical offering. He played on a violin and mandolin and his renditions were greatly enjoyed. He also regaled the audience with some amusing chatter.

McNamee entertained all with his artistic models in clay. He first formed the likenesses of many famous men, after which he amused all with some original figures.

Forstark and Dawn appeared in a comedy singing skit entitled "Telling Tales to the Boys." Their songs had a lot more truth than poetry said they were well received. They received considerable applause.

There was another episode of "Hidden Dangers," featuring Joe Ryan. This serial is a bit far-fetched, but nevertheless contains many interesting and amusing scenes, which are greatly enjoyed. This programme will be repeated to-night and again on Monday.

Messrs J. M. Dimock & Co., make an announcement of interest to all Motor Truck Buyers, Ford owners, in fact to all automobile owners in their advertisement on page 6 of this issue.

Dancing tonight. Studio Admission 10c.
NOTICE.
Meeting of patients to be held in the hall, Charlotte street, Monday night, 8 o'clock. Business of importance. 1-18

LANDING.
Fresh mixed Acadia Pictou soft coal, 100 lbs. net, in the market. For all purposes, furnaces, grates and kitchen ranges. George Dick, 46 Britain St. Phone M. 1116. 19101-122

Bishop Richardson will preach in Trinity church Sunday night.
LADIES' RUBBERS, 75c.
Size 4 only. Ladies' overshoes, \$1.39; men's rubbers, large sizes, 95c.; men's two buckle overshoes, \$2.95; men's chukka-dee-dee, lumbermen's rubbers, large sizes, \$1.58. People's Store, 573 Main St.

NOTICE.
Sons of England returned soldiers will please wear their uniform at St. Mary's church on Sunday next, General Association, having kindly given permission to them.
C. LEDFORD, Secy.

WOMEN'S COUNCIL.
Don't miss the address of Miss Carmichael before the Local Council on Monday evening at eight in Board of Trade on her impressions of International Council meeting in Norway in September.

OVERCOATS AT \$15 TODAY.
Odd overcoats, in ulster, ulsterette, slip-on, form-fitting and waisted styles. Regular prices, \$25 to \$42. Today, your choice for \$15. Sizes 35 to 42. Gilman's, 68 King Street.

NEW HARBOR SEWER PROJECT

Commissioner Jones Tells of Work to Be Done, for Which Preliminary Tenders Have Been called.

Speaking on the question of the deepening of New Harbor to make way for the installation of a trunk sewer system to drain that area, Commissioner Jones said:
"Former councils realized the importance of proceeding with this work but possibly owing to the fact that it would go beyond the current fiscal year, it should be undertaken now it would be the first practical step to provide a sewerage system that will meet not only the exigencies of today but will provide for the needs of the people for many years to come.

"The recent completion of the north end canal probably recall," he said, "the time when the lands now known as the Shamrock Grounds, the rifle range, and the low lying lands contiguous thereto was a lake. The flowage of this lake entered New Harbor, which carried it through devious courses westwardly until it reached the outlet at Antigonish town.

"New Harbor and its tributary stream, the brook draining the Parks, Milling, De Voe, Peters several Portland Place properties, is roughly bounded on the South by New Harbor Street, Fort Howe and the Junction of Mount Pleasant Avenue and Parks Street, and on the north by the heights beyond the Isolation Hospital on the Sand Point road.

"From the southern fringe of this area a very considerable amount of sewage already finds its way to New Harbor. The northern end of the Bridge Street sewer and the Adelaide Street sewer with the northern end of Millidge Avenue sewer enter Spar Cove Creek, which is the river end of New Harbor, above the Stetson & Co. property.

"The Millidge Avenue and Rope Walk Road sewer enter New Harbor at the western end of Mount Pleasant Avenue and Adelaide Street sewers enter at Adelaide Street bridge. Above the bridge the Lansdowne and Dufferin Avenue sewers enter. The New Harbor Brook tributary through septic tanks.

"Above this again are a large number of houses without any sewer connection whatever but with a direct connection, the sewerage from which eventually finds its way into New Harbor tributary through surface wash.

"The development of the site known as 'Portland Place' not only justified the expectations of the promoters but has proved a good investment for the city from an expenditure of \$100,000 which was the cost of putting in the water main and the laying of tile pipe to carry the sewage into septic tanks.

"The sewerage from the city will carry an annual revenue from water alone of \$10,000 and an additional sum of \$2,000 upon the assessed value of these properties.

"As already stated the project under consideration is the initial step upon a comprehensive plan of sewerage which, when completed will drain all the water courses of this immediate neighborhood and render available for building purposes many valuable sites.

"A large sum of money will require to be spent on this undertaking before its completion. The expenditure, however, can be carried over a period of years during which time the carrying charges could easily be taken care of by assessment upon the properties which it is contemplated that will be erected when the surface system is assured.

"The building of this trunk sewer together with other projects proposed to be undertaken by the city, will afford some measure of relief to a large number of our citizens who have been so suddenly deprived of their incomes through the closing down of the industrial establishments in which they were employed.

"The maintenance of the highway bridges on Adelaide Road, spanning New Harbor, involves considerable outlay from time to time by the Public Works Department. The first step to be taken in connection with the proposed sewer system would be the filling of the space beneath the bridge and the removal of the structure over the fill completed. At the present time an arch bridge concrete culvert under the bridge permits the free passage of the flow of New Harbor Brook which finds an outlet into the harbor at Indiantown. It will be necessary to extend this conduit both east and west for a considerable distance before any attempt be made preparatory to the dismantling of the bridge.

"Besides the deepening of the Brook several feet or more in some places it will be necessary to do considerable blasting to remove the rock which forms on both sides of the stream east of the bridge. The work of blasting and deepening of the Brook could be commenced during the winter. The Engineer and his staff might set themselves the task of preparing plans and specifications for the fuller development of this project later."

Too Many Couches and Leather Chairs

We have a large stock of Couches, Leather Chairs and Rockers which must be sold at once.

Couches from \$15.00 up to \$45.00.
Leather Chairs and Rockers up to \$60.00.
Now is the time to select, while the assortment is complete.

AMLAND BROS. Limited

19 WATERLOO STREET.

LATE SHIPPING

PORT OF ST. JOHN.

Cleared January 15.
S. S. Ariano, 3124 tons, for Hull and Rotterdam via Portland, Me, Captain Carter.
MARINE NOTES.
The tug schooner J. L. Ralston is scheduled to sail this morning for tomorrow morning for Portland, Me, with a part cargo of grain. She will complete loading there for Hull and Rotterdam. The Royal Mail Steam Packet liner Chaleur sailed from Bermuda yesterday morning for this port with passengers, royal mail and general cargo. It is expected to reach here Monday evening or Tuesday morning.
The Furness, Withy liner Bayamo is due here on Sunday night and will load a full cargo of grain for the United Kingdom.
The Manchester Brigade will sail on Monday for Manchester via Halifax with general cargo.
The Canadian Merchant Marine Navigator sailed from London on January 13 for this port with general cargo. After discharging she will load for Liverpool.
The tug schooner J. L. Ralston, which is discharging a cargo at Kingston, Jamaica, has been chartered to load sea oil at Port Arthur Texas, for the Nagle & Wetmoren, the local agents.
The tug schooner Victory Chimes, now at Mobile loading hard pine for export, is expected to reach here on Tuesday. It will load a cargo of salt for Baltimore. From Baltimore she will proceed to New York, P. E. I., with a cargo of fertilizer.

LOCAL NEWS

BOYS IN LEAD.
Marriages here this week numbered eleven. Births were twenty-one—fifteen boys and six girls.

ENGAGEMENT.
Mr. and Mrs. H. M. Carr of Fairville, announce the engagement of their only daughter, Ellen H., to Edward Hobart, son of Mr. and Mrs. A. H. Hobart of Randolph.

FIFTEEN DEATHS.
Deaths in the city of St. John during the week totaled fifteen. The causes were: Pneumonia, five; tuberculosis, four; diphtheria, heart disease, premature birth, paralysis (cerebral), chronic rheumatism, tuberculosis meningitis, one each.

FURNITURE SEIZED.
Johnston L. O. B. A. No. 19, made application yesterday to Chief Justice McKewen on the ascending debtors' act and secured an order with the result that Sheriff Wilson seized all furniture belonging to Mrs. George O. Akery at 34 Wall street. Messrs. Teed and Teed are acting for the creditors. It was said that some time ago Mrs. Akery collected a large sum of money for the Memorial Home for Children and it is alleged that the money has not been paid in and that Mrs. Akery at the present is residing in the States.

IN WALL STREET.
New York, Jan. 15, 10:30.—The stock market lacked a definite trend at the ill-fated opening of today's short session. Prominent industrials and some of the rails were firm to strong, especially Bethlehem, Crucible and Republic steels. International Paper, Ajax Rubber, Reading and Atlantic Coast Line. Reactionary shares included American International, Mercantile Marine Company, Studabaer, American Sugar, Sears Roebuck and Colorado Fuel, the latter falling 1/4 points. Preliminary quotations for foreign exchange showed no material change from yesterday's final rates.

REV. A. B. O'NEIL IS OPERATED ON
Many friends here will be interested to learn that Rev. A. B. O'Neil, C. S. C., was operated on this week in Columbus, Ohio. The news came to Miss Annie E. O'Neil, Main street, 102, who is Father O'Neil's sister. He has been in poor health since early in November, and he has been in the hospital since his operation on the Holy Cross sisters in Columbus, but an operation had been deferred until his condition should improve.
A letter received here last Saturday reported him unchanged and the news of the operation came in a letter last night. It was performed on Wednesday and the success of the operation was so far considered successful. Many friends will hope for a favorable outcome and speedy restoration to health.

THE ST. JOHN PROTESTANT ORPHANS' HOME.
The following contributions are thankfully acknowledged by the treasurer, H. C. Rankine, "Cash" (Chatham, N. B.), \$50; the Misses M. and I. L. Murray, \$30; Jas. E. Arthur, L. R. Ross (additional), Mrs. John H. Thomson (Robtsey), \$25 each; collected by George Lawson from police office staff, \$20; Mrs. Walsley (Fredericton), R. C. Elkin, Dr. Doris Murray, G. G. Murdoch, \$10 each; J. D. Coes, W. H. Sallis, H. M. Mont, James W. A. Simonds, H. A. Powell, \$5 each; Ernest Law, \$3; "J. K. S.," \$2.50; "Found on Floor," \$2.25; M. W. Scott (Upland), \$2; Miss Eva McFie (Somerville, Mass.), Geo. Couper, Mrs. G. W. Campbell, Robt. Reid, \$1 each; also from St. John De Molay Preparatory, Knights Templar, \$25.

THE U. S. TARIFF.
Washington, Jan. 15.—With ten amendments added, the house emergency tariff bill was approved today by the senate finance committee. It will be reported to the senate on Monday.

REORGANIZATION OF THE MEXICAN CABINET.
Mexico City, Jan. 15.—President Obregon contemplates an immediate reorganization of his cabinet, which will affect at least seven portfolios. It is said by newspapers here. The newspapers declare the changes are merely a readjustment such as was predicted when the personnel of the cabinet was first announced.

MONTREAL STOCK EXCHANGE.
Montreal, Jan. 15.—Trading on the local stock exchange during the first half hour this morning was very quiet. Only four of the principal issues appeared at all and they only registered small fractional changes. Atlantic Sugar closed last night at 31 1/2 and opened today at 31 3/4. Brompton strengthened a quarter point to 63 1/4, and National Breweries went up a half point to 52. Spanish River was weak, dropping a half point to 55.

YORK POLITICS.
(Special to Times)
Frederick N. B. Jan. 15.—There is considerable conjecture with regard to the vacant federal seat in York-Sunbury. An early bye election is expected. J. D. Palmer whose name has been mentioned in connection with the Conservative nomination has been on a trip to Ottawa. H. A. Macdonald, S. Douglas, both of whom are prominent in the same party, also have been in the capital recently. Dr. B. Hanson, K. C. is mentioned in connection with the nomination as also is R. W. C. Crockett, ex-M. P. P.
The expected retirement of His Honor Judge Wilson from the county court bench of York-Sunbury and Queens is expected to have a bearing upon the nomination.

EMPERESS OF BRITAIN AT HALIFAX TODAY.
Halifax, N. S., Jan. 15.—The C. P. O. S. Liner Empress of Britain from St. John arrived this morning for fuel oil and mails and is expected to sail this afternoon for Liverpool.

For Father and Son SNAP

The Great Hand Cleaner

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