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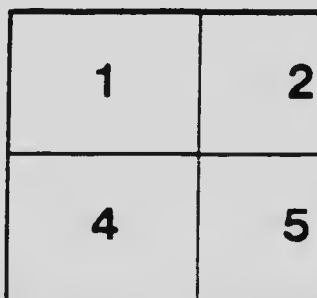
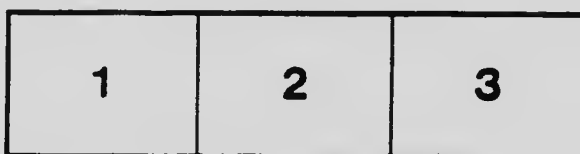
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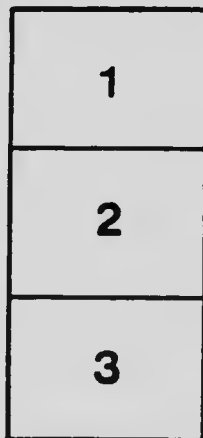
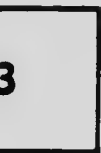
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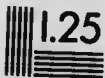
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REPORT
OF
CANADIAN ARCTIC EXPEDITION
1913-18

VOLUME VIII: MOLLUSKS, ECHINODERMS,
COELENTERATES, ETC.

PART A:

Mollusks, Recent and Pleistocene . . . William Healey Dall

(SUPPLEMENTARY REPORT)



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Report of the Canadian Arctic Expedition, 1913-18.

VOLUME VIII: MOLLUSKS, ECHINODERMS, COELENTERATES, ETC.

- Part A: MOLLUSKS, RECENT AND PLEISTOCENE. By William H. Dall. (Issued September 24, 1919).
- Part B: CEPHALOPODA AND PTEROPODA.
Cephalopoda. By S. S. Berry. (In preparation).
Pteropoda. By W. F. C. Cope. (To be prepared).
- Part C: ECHINODERMS. By William H. Clark. (To be prepared).
- Part D: BRYOZOA. By B. C. Cushman. (Issued January 29, 1921).
- Part E: ROTIFERA. By H. K. Herzig. (Issued December 31, 1921).
- Part F: CHLADONARIA. By A. G. Hantzman. (In preparation).
- Part G: ALGONARIA AND VERTICARIA. By A. L. Verrill. (To be prepared).
- Part H: MEDUSAE AND CYNOPROGA. By H. B. Bigelow. (To be prepared).
- Part I: HYDROIDS. By C. M. F. Fraser. (To be prepared).
- Part J: PORIFERA. By A. Dendy. (In press).

VOLUME IX: ANNELIDS, PARASITIC WORMS, PROTOZOANS, ETC.

- Part A: Oligochaeta.
Lumbriculidae. By Frank Smith. (Issued September 26, 1919).
Anchyrodidae. By Paul S. Wolch. (To be prepared).
- Part B: POLYCHAETA. By Ralph V. Chamberlin. (To be prepared).
- Part C: HERMIPEDIA. By L. L. Moore. (To be prepared).
- Part D: Gephyrii. By Philip V. Chamberlin. (To be prepared).
- Part E: ACANTHOCEPHALA. By H. J. Van Cleave. (Issued April 17, 1921).
- Part F: NEMATODA. By N. A. Cobb. (In preparation).
- Part G-H: TREMATODA AND CESTODA. By A. R. Cooper. (Issued February 2, 1921).
- Part I: TREMATODA. By A. H. Sill. (In preparation).
- Part J: POLYCHAETA (parasitiform). By F. H. Ashworth. (In preparation).
- Part K: NEMATODA. By Ralph V. Chamberlin. (In preparation).
- Part L: SPOROZOA. By J. W. Mayor. (In preparation).
- Part M: FORAMINIFERA. By J. A. Cushman. (Issued February 6, 1920).

VOLUME X: PLANKTON, HYDROGRAPHY, TIDES, ETC.

- Part C: TIDAL OBSERVATIONS AND RESULTS. By W. Bell Dawson. (To be prepared).
- Part D: HYDROGRAPHY. (In preparation).

VOLUME XI: GEOLOGY AND GEOGRAPHY

- Part A: THE GEOLOGY OF THE ARCTIC COAST OF CANADA, WEST OF THE KENT PENINSULA. By J. A. O'Neil. (Issued July 8, 1924).
- Part B: MAPS AND GEOGRAPHICAL NOTES. By Kenneth C. Chipman and John R. Cox. (Issued July 8, 1924).

VOLUME XII: THE COPPER ESKIMOS

- Part A: THE LIFE OF THE COPPER ESKIMOS. By D. Jenness. (January 11, 1925).
- Part B: THE PHYSICAL CHARACTERISTICS OF THE WESTERN COPPER ESKIMOS. By D. Jenness. (To be prepared).
- Part C: THE OSTEOLOGY OF THE WESTERN AND CENTRAL COPPER ESKIMOS. By John Cameron. (To be prepared).

VOLUME XIII: ESKIMO FOLK-LORE

- Part A: ESKIMO MYTHS AND TRADITIONS FROM ALASKA, THE MACKENZIE DELTA AND CORONATION GULF. By D. Jenness. (To be prepared).
- Part B: STRING FIGURES OF THE ESKIMOS. By D. Jenness. (Issued August 8, 1924).

VOLUME XIV: ESKIMO SONGS

- PART A: SONGS OF THE COPPER ESKIMOS. By Helen H. Roberts and D. Jenness. (Ready for press).

VOLUME XV: ESKIMO LANGUAGE AND TECHNOLOGY

- Part A: COMPARATIVE GRAMMAR AND VOCABULARY OF THE ESKIMO DIALECTS OF POINT BARROW, THE MACKENZIE DELTA, AND CORONATION GULF. By D. Jenness. (To be prepared).
- Part B: TECHNOLOGY OF THE COPPER ESKIMOS. (To be prepared).

VOLUME XVI: ARCHAEOLOGY

- CONTRIBUTIONS TO THE ARCHAEOLOGY OF WESTERN ARCTIC AMERICA. (To be prepared).

(Index issued with last number of each volume.)

Supplement to the Report of the Canadian Arctic Expedition,
1913-18, Volume VIII, Part A, Mollusks, Recent
and Pleistocene (1919)

By WILLIAM HEALEY DALL

Since the preparation and publication of the report above referred to, a few additional specimens collected by the Northern Party of the expedition from 1915 to 1917 have turned up, and these together with a few collected by the 1908-09 Arctic expedition, are herein enumerated.

The localities from which the present lot of specimens were derived are:

(1) The beaches of Melville island, chiefly at or near Winter harbour, about Lat. $74^{\circ} 50' N.$, long. $111^{\circ} W.$, collected by Frank C. Hennessey:

(2) One specimen from Melville island, inland about three miles, near Cape Russell, about Lat. $75^{\circ} 15' N.$, long. $117^{\circ} 30' W.$; taken at a point about 100 feet above sea level, doubtless carried there by a bird or other extraneous agency;

(3) Station 59b, beach on the west side of Banks island, in about Lat. $73^{\circ} 45' N.$, collected by V. Stefansson;

(4) Station 64a, on Ellef Ringnes island, one of the Sverdrup islands, in about Lat. $79^{\circ} N.$, collected by V. Stefansson.

The following lists enumerate the species collected:—

1. WINTER HARBOUR, MELVILLE ISLAND

Leda (Portlandia) jacksoni Gould.
Modiolaria substriata Gray.
Astarte borealis Schumacher.
Astarte fabula Reeve, young specimens.
Serripes grönlandicus Gmelin.
Macoma oneilli Dall, very fine.
Saxicava pholadis Linné.
Mya truncata Linné.
Buccinum hydrophanum Hancock.
Buccinum belcheri Reeve, very rare.
Colus (Aulacofusus) sabinii Gray.
Trichotropis borealis Sowerby.
Margarites umbilicalis Broderip and Sowerby.
Margarites (Pupillaria) striatus Broderip and Sowerby.
Margarites (Pupillaria) cinereus Couthouy.

2. MELVILLE ISLAND, 3 MILES INLAND

Buccinum polare Gray.

3. STATION 59b. BEACH ON THE WEST SIDE OF BANKS ISLAND

Chrysodomus solutus Herriman, fragment.

4. STATION 64a, ELLEF RINGNES ISLAND

Pseudamusium andersoni Dall.
Pseudamusium ringnesia n. sp.
Yoldiclla obesa Stimpson.
Bathyarca pectunculoides Scacchi.
Astarte globosa Møller.
Lora scalaroides G. O. Sars, var.
Buccinum hydrophanum Hancock.
Euspira affinis Gmelin.
Margarites argentatus Gould.

NOTES

Trichotropis borealis Sowerby

This species has generally been confounded with its European analogue, but a careful inspection is sufficient to show the distinctness. Sowerby's species was described from America.

Pseudamusium andersoni Dall

The collector notes that this species was cast up on the beach in windrows two or three feet high, like dead leaves, only far thinner and more fragile. The shells are usually worn so that the more delicate surface is lost and it becomes difficult to distinguish it from *P. grönländicus*. This species was described in 1919 from specimens dredged in about 50 fathoms in Dolphin and Union strait.

Pseudamusium ringnesla n. sp.

Shell small, translucent white, extremely thin, nearly flat; disk nearly circular, sculptured with about 30 thin, sharp, regularly concentric lamellae with much wider interspaces; the outer edge of these lamellae is produced and bent down but not attached at the distal edge, covering about two-thirds of the interspace in front of the lamella; these loose margins are somewhat wavy and narrower posteriorly and stop short on a line radiating from the umbo toward the posterior base; at the point of termination they expand into postules forming a line bordering a posterior area, sculptured only by close, low, concentric lamellation; the true surface of the valve is not undulated but sculptured with fine radial striae; the whole of this lamellation is of extreme fragility and liable to be affected by a touch; the hinge margin is straight, the anterior ear larger than the posterior, with a close, minute, subspinose, concentric lamellation; the posterior ear with only lines of growth; the hinge is minute, the interior of the disk smooth, the external sculpture showing through. Height 12 mm.; breadth 13 mm.

Only one left valve was obtained but the sculpture is quite unique and the shell is not undulated, the appearance of undulation arising from the folded-over edges of the lamellae.

Type.—Victoria Memorial Museum, Ottawa (Mollusks, No. 4376). Figured on Plate 4.

Yoldiella obesa Stimpson

This has been identified with *Y. lucida* Lovén, but the uncertainty leads me to utilize the name which certainly applies.

Lora scalarioides G. O. Sars.

There is only one slightly eroded specimen which is referred to Sars's species. It does not quite agree with specimens so named in the Jeffreys collection but I hesitate to separate it in the absence of a larger series.

Euspira affinis Gmelin

This is the shell referred to Gmelin's species by Jeffreys. It is nearest to *E. pallida* Broderip and Sowerby, of the western arctic but has a less elevated spire and a different umbilical callus. Whether it is really the shell Gmelin had in mind is impossible to be certain, but it seems to have been generally accepted as such by European authors.

**List of Mollusks from the Eastern Arctic Region, collected
by the Neptune expeditions, etc**

Identified by WILLIAM HEALEY DALL

The following mollusks from the eastern arctic region in the collection of the Victoria Memorial Museum, Ottawa, collected by the *Neptune* expeditions to the Arctic, were identified by Dr. William H. Dall in June, 1921, in connection with the foregoing report, and as the records are unpublished heretofore are included in this report:—

(Collections by *Neptune* expedition)

BEECHY ISLAND

Astarte borealis Schumacher.

FULL SOUND

Macoma cal-arca Gmelin, yo.

Nucula tenuis Mont.

Scoripes groenlandicus Gmelin, yo.

Cylichna alba Brown.

Yoldia limatula Say.

BRYAN ISLAND

Saxicava arctica L.

CUMBERLAND SOUND, BAFFIN ISLAND

Mya truncata L.

ECLIPSE BAY, BAFFIN ISLAND

Mya truncata L.

FULLERTON, HUDSON BAY

Littorina rudis Don.

Mya truncata L.

Mytilus edulis L.

Margarites cinereus Couthouy.

Margarites helicinus Phipps.

Crenella faba Fabricius.

Acmaca emydia ? Dall, yo.

Acmaca testudinalis L.

Macoma intermedia Broderip and Sowerby.

Boreotrophon clathratus Gld.

Admete var. *laevior* Jeffreys.

Buccinum ciliatum Fabricius.

Pecten islandicus Müller.

Astarte borealis Schumacher.

Buccinum hydrophanum Hancock.

(*Cypraea* sp., ballast.)

NORTH SOMERSET ISLAND

Ovicapsules of *Buccinum*.

PONDS INLET, BAFFIN ISLAND

Saxicava pholadis L.
Modiolaria lacris Gray.

PORT BURWELL, HUDSON STRAIT

Venericardia borealis Couthouy.
Cardium ciliatum Fabricius.
Macoma oneilli Dall, yo.
Macoma calcarea Gmelin.
Mya truncata L.
Kennerlia glacialis Leach.
Astarte banksi Leach.
Buccinum tenuis Gray.
Margarites cinereus Couthouy.
Yoldia limatula Say.
Admete couthouyi Jay (not *viridula*).
Velutina laevigata L.
Margarites helicinus Phipps.
Trichotropis borealis Sowerby.
Tachyrhynchus reticulatus Mighels.
Nucula tenuis Montagu.
Modiolaria nigra Gray.
Anachis cf. *haliaeti* Jeffreys.
Modiolara substriata Gray.
Crenella faba Fabricius.
Astarte borealis Schumacher, yo.
Margarites acuminatus Migh. and Ads. (rare shell).
Astarte borealis Schumacher.
Puncturella princeps Mighels.
Scrripes grönlandicus Gmelin.
Machaeroplax varicosus Mighels.

SOUTHAMPTON ISLAND, HUDSON BAY

Buccinum ? *ciliatum* Fabricius.
Buccinum undatum L.
Buccinum cyaneum Hancock.
Buccinum ? *tenuis* Gray.
Acnaca emydia Dall.
Astarte borealis Schumacher.
Saxicava artica L.
Mya truncata L.
Mytilus edulis L.
Pecten islandicus Möller.

PORT BURWELL, HUDSON STRAIT

(Collected by Dr. Robert Bell)

- Buccinum tenue* Gray.
Margarites striatus Sowerby, yo.
Trichotropis borealis Sowerby.
Tachyrhynchus reticulatus Mighels.
Crenella faba Fabricius.
Natica clausa Broderip and Sowerby.
Buccinum polare Gray.
Buccinum hydrophanum Hancock.
Mya truncata L.
Astarte borealis Schumacher.
Modiolaria nigra Gray.
Modiolaria laevis Gray.
Modiolaria corrugata Stm.
Serripes grönlandicus Gmelin.
Lyonsia hyalina Conrad.
Leda minuta Fabricius.
Macoma calcarea Gmelin, yo.
Astarte banksii Leach, var. ?
Hemithyris psittacea Gmelin.

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Plate No. 14



Report of the Canadian Arctic Expedition, 1913-18.

VOLUME I: GENERAL INTRODUCTION, NARRATIVE, ETC.

- Part A: NORTHERN PARTY, 1913-18 *(To be prepared)*
Part B: SOUTHERN PARTY, 1913-18. By Rudolph Martin Anderson *(In preparation)*

VOLUME II: MAMMALS AND BIRDS

- Part A: MAMMALS OF WESTERN ARCTIC AMERICA. By Rudolph Martin Anderson *(In preparation)*
Part B: BIRDS OF WESTERN ARCTIC AMERICA. By R. M. Anderson and P. A. Taverner *(In preparation)*

VOLUME III: INSECTS

- INTRODUCTION. By C. Gordon Hewitt *(Issued December 19, 1920)*
Part A: COLLEMBOLA. By Justus W. Folsom *(Issued July 15, 1919)*
Part B: NEUROPTEROID INSECTS. By Nathan Banks *(Issued July 11, 1919)*
Part C: DIPTERA.
Crane-flies. By Charles P. Alexander.
Mosquitoes. By Harrison G. Dyar.
Diptera (excluding Tipulidae and Cuficidae). By J. R. Malloch *(Issued July 11, 1919)*
Part D: MALLOPHAGA AND ANOPLURA.
Mallophaga. By A. W. Foker.
Anopla. By G. F. Ferris and G. H. B. Nuttall *(Issued September 12, 1919)*
Part E: COLEOPTERA.
Forest Insects, including Ipsidae, Cerambycidae, and Cupressidae. By J. M. Swaine.
Curculionidae and Silphidae. By H. C. Fall.
Coccinellidae, Elateridae, Chrysomelidae and Rhynchophora (excluding Ipsidae). By C. W. Long.
Dytiscidae. By J. D. Sherman, Jr. *(Issued December 12, 1919)*
Part F: HEMIPTERA. By Edward P. VanDuzee *(Issued July 11, 1919)*
Part G: HYMENOPTERA AND PLANT GALLS.
Sawflies. (Tenthredinoidea). By Alex. D. MacGillivray.
Parasitic Hymenoptera. By Charles T. Brues.
Wasps and Bees. By F. W. L. Sladen.
Plant Galls. By E. Porter Felt *(Issued November 3, 1919)*
Part H: SPIDERS, MITES AND MYRIAPODS.
Spiders. By J. H. Emerton.
Mites. By Nathan Banks.
Myriapods. By Ralph V. Chamberlin *(Issued July 11, 1919)*
Part I: LEPIDOPTERA. By Arthur Gibson *(Issued January 19, 1920)*
Part J: ORTHOPTERA. By L. M. Walker *(Issued September 5, 1919)*
Part K: INSECT LIFE ON THE WESTERN ARCTIC COAST OF AMERICA. By Frits Johansen *(Issued November 7, 1922)*
Part L: GENERAL INDEX *(Issued December 1, 1922)*

VOLUME IV: BOTANY

- Part A: FRESHWATER ALGAE AND FRESHWATER DIATOMS. By Charles W. Lowe *(Issued February 20, 1923)*
Part B: MARINE ALGAE. By F. S. Collins *(In preparation)*
Part C: FUNGI. By John Dearynes *(Issued June 1, 1923)*
Part D: LICHENS. By G. K. Merrill *(Issued July 16, 1922)*
Part E: MOSESSES. By R. S. Williams *(Issued February 8, 1923)*
Part F: MARINE DIATOMS. By Albert Mann *(In preparation)*

VOLUME V: BOTANY

- Part A: VASCULAR PLANTS. By James M. Macoun and Theo. Holm *(Issued October 14, 1921)*
Part B: CONTRIBUTIONS TO MORPHOLOGY, SYNONYMY AND GEOGRAPHICAL DISTRIBUTION OF ARCTIC PLANTS. By Theo. Holm *(Issued February 10, 1922)*
Part C: GENERAL NOTES ON ARCTIC VEGETATION. By Frits Johansen *(In press)*

VOLUME VI: FISHES, TUNICATES, ETC.

- Part A: FISHES. By F. John *(In preparation)*
Part B: ASCIDIANS, ETC. A. G. Huntsman *(Issued November 29, 1922)*

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Part B: SCHIZOPOD CRUSTACEANS. By Waldo L. Schmitt *(Issued September 22, 1919)*
Part C: CUMACEA. By W. T. Calman *(Issued October 15, 1920)*
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Part E: AMPHIPODA. By Clarence R. Stoeckner *(Issued September 7, 1920)*
Part F: PYCNOGONIDA. By Leon J. Cole *(Issued July 3, 1921)*
Part G: EUPHYLLOPODA. By F. Johansen *(Issued May 14, 1922)*
Part H: CLADOCERA. By Chaucey Juday *(Issued June 24, 1920)*
Part I: OSTRACODA. By R. W. Sharpe *(In preparation)*
Part J: FRESHWATER COPEPODA. By C. Dwight Marsh *(Issued April 21, 1920)*
Part K: MARINE COPEPODA. By A. Wiley *(Issued June 25, 1920)*
Part L: PARASITIC COPEPODA. By Charles B. Wilson *(Issued August 6, 1921)*
Part M: CIRRIPEDA. By H. A. Filsby *(In preparation)*
Part N: THE CRUSTACEAN LIFE OF SOME ARCTIC LAGOONS, LAKES AND PONDS. By F. Johansen *(Issued December 30, 1922)*



