plain purplish brown, and others inhabiting deep pools with a heavy
growth of Zostera were, in life, of a vivid green, with about four hori-
tzontal stripes of lighter green, silvery patches shining through on the
inferior stripes. As usual, two brown ocelli margined with a ring of
red were placed one at a distance of its own diameter behind the mar-
gin of opercular flap, the other as far below the dorsal fin and under
its posterior half. In the specimens examined the dorsal fin rays vary
from V. XXVIII, 6 to V. XXXI, 9, the anal usually having twenty-four
articulate rays, occasionally as few as twenty-three or as many as twenty-
six, the anal spines always numbering two.

San Diego, Cal., May 15, 1883.

CATALOGUE OF MOLLUSCA AND ECHINODERMATA DREDGED ON
THE COAST OF LABRADOR BY THE EXPEDITION UNDER THE
DIRECTION OF MR. W. A. STEARNS, IN 1882.

By KATHARINE J. BUSH.

The collection upon which the following catalogue is based was
obtained by the expedition of 1882, under the direction of Mr. W. A.
Stearns. Part of the specimens were sent to the Peabody Museum of
Yale College by Messrs. B. S. Barrows and J. A. Allen, and the rest to
the National Museum by Mr. Stearns.

The dredging was done mostly by Mr. Stearns, Mr. B. S. Barrows,
and Mr. Edwin R. Flint; but Messrs. J. A. Allen and Charles L. Flint,
jr., assisted in this work.

The dredgings were made during the month of August, in shallow
water, at different points along the coast included between Fortean Bay
and Dead Island. The principal localities are L'Anse au Loup, north
latitude 51° 33', west longitude 56° 48'; Henley Harbor, about north
latitude 52° 05', west longitude 55° 51'; Dead Island, near Square
Island, north latitude 52° 48', west longitude 55° 48'.

The nomenclature adopted is mostly the same as that of the Prelimi-
inary Check-list of the Marine Invertebrata of the Atlantic Coast, and
the Catalogue of Marine Mollusca by Prof. A. E. Verrill.* The names
used in Binney's edition of Gould's Invertebrata of Massachusetts are
added in parenthesis when different from those adopted.

For such species as are not included in Gould's report, references
have been given to at least one work in which the species is described
or figured.

A list of the species found by Prof. A. S. Packard, jr.,† during the
summer of 1864, but not obtained by the Stearns expedition, has been
appended to the catalogues, both of mollusca and echinodermata, to
make the faunal lists more complete.

* Preliminary Check-list of the Marine Invertebrata of the Atlantic Coast, New
part 2, April, 1882.
† Recent Invertebrate Fauna of Labrador, 1865.
MOLLUSCA.

CEPHALOPODA.

Ommastrephes illecebrosus (Les.).

Several adult specimens were taken at L'anse au Loup, in 15 fathoms, and Fox Harbor, near the shore.

GASTROPODA.

Bela scalaris (Moll.) H. & A. Adams.


Occurred at Forteau Bay, 20 fathoms; L'anse au Loup, 8 to 15 fathoms; Henley Harbor, 3 to 15 fathoms.

Bela rosea Sars.


Forteau Bay, 20 fathoms; L'anse au Loup, 10 fathoms; Henley Harbor, 10 to 15 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Bela Sarsii Verrill.


Bela Sarsii Verrill, Cat. Mar. Mollusca, p. 484.

Plate IX, Fig. 8.

Several specimens dredged at Forteau Bay, 20 fathoms, L'anse au Loup, 10 to 15 fathoms, have been directly compared with shells from Tromso, sent by Dr. Friele from the museum at Bergen. This is a rare species on the American coast, having rarely been found before except at Murray Bay, Canada. (Dawson, coll.)

Bela exarata (Möller) H. & A. Adams.


Three were dredged at L'anse au Loup, with sand and kelp.

Bela mitrula Lovén.


Bela cancellata, var. acuta Verrill, Cat. Mar. Mollusca, p. 470.

Several specimens, agreeing closely with those of Europe, sent by Dr. Friele, were found at Forteau Bay, 20 fathoms; L'anse au Loup, 10 to 15 fathoms.
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Bela pleurotomaria (Couth.) Adams.


_Plate IX, Fig. 7._

L'anse au Loup, 10 to 15 fathoms; Henley Harbor, 10 to 15 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

Bela decussata (Couth.) H. & A. Adams.

_Bela decussata_ Verrill, Cat. Mar. Mollusca, p. 479, pl. 43, fig. 13.

Fortau Bay, 20 fathoms; L'anse au Loup, 10 fathoms. One unusually large dead specimen at Henley Harbor, 10 to 15 fathoms.

Bela incisula V.

_Bela incisula_ Verrill, Cat. Mar. Mollusca, p. 461, pl. 43, fig. 12, pl. 57, fig. 14.

_Plate IX, Fig. 10._

Most common at L'anse au Loup, 10 to 15 fathoms; Fortau Bay, 20 fathoms; Henley Harbor, 3 to 15 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Bela bicarinata (Couth.) V.

_Bela bicarinata_ Verrill, Cat. Mar. Mollusca, p. 482, pl. 57, figs. 16, 16a.

Not uncommon at Fortau Bay, 20 fathoms; L'anse au Loup, 10 to 15 fathoms. One dead specimen at Henley Harbor, 10 to 15 fathoms.

Bela bicarinata, var. violacea (Migh. & Adams).

_Bela bicarinata var. violacea_ Verrill, Cat. Mar. Mollusca, p. 483.

Common at all localities in 1 to 20 fathoms.

Admete Couthouyi (Jay) Ad. (=_A. viridula_ Gld.).

L'anse au Loup, 10 to 15 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

Sipho lividus (Mörelch).

_Sipho lividus_ Verrill, Cat. Mar. Mollusca, p. 507.

_Plate IX, Fig. 12._

Two good, though dead, specimens were found at Henley Harbor, in 8 fathoms, and Dead Island, near Square Island, in 1 to 4 fathoms. Hitherto recorded from the Grand Bank of Newfoundland; Orphan Bank, in the Gulf of Saint Lawrence; and off Metis, mouth of the Saint Lawrence River.

Tritonofusus cretaceus (Reeve).


_Tritonofusus Krögeri_ Verrill, Cat. Mar. Mollusca, p. 510 (non Moller sp.).

A few examples of this interesting species, obtained at Henley Harbor and Temple Bay, in 3 to 10 fathoms, agree exactly with the Canadian form, from off Metis.
**Buccinum undatum** Linné.

This species occurs abundantly along the coast in 1 to 15 fathoms, but is a much larger and smoother variety than the more typical form found at Eastport, Me. There is also a marked difference in color; most specimens being, in alcohol, of a dark reddish brown.

**Buccinum Donovanii** Gray.

A large and a small specimen of this characteristic species were found at Henley Harbor, at low water and 15 fathoms, comparing well with shells from off Metis.

**Buccinum Tottenii** Stimp.


![Plate IX, Fig. 13.](image)

Three shells corresponding to the Canadian form from off Metis, occurred at Henley Harbor and Temple Bay, in 8 to 15 fathoms.

**Buccinum ciliatum** (Fabr.) Möller.


![Plate IX, Fig. 14.](image)

This species was found in 3 to 8 fathoms at Henley Harbor. Hitherto recorded from the Grand Bank, Gulf of Saint Lawrence, Greenland, and other Arctic localities.

**Trophon clathratus** (Linné) Möll.

*L'anse au Loup, 10 to 15 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 10 fathoms.

**Astyris rosacea** (Gould) H. & A. Adams. (= Columbella rosacea Gld.).

![Plate IX, Fig. 6.](image)

A few good specimens were taken at L'anse au Loup, in 8 fathoms; Henley Harbor, in 3 to 8 fathoms. They differ from more typical shells of this species from New England, in having the transverse ribs more distinct on about four of the upper whorls below the nucleus. They are absent from the two last whorls.

**Natica clausa** Brod. & Sowerby.

Henley Harbor, 8 fathoms; Dead Island, near Square Island, 1 to 4 fathoms. One unusually large specimen measured 30 mm in length, 28 mm in breadth.

**Lunatia Grøenlandica** (Möll.) H. & A. Ad.

Henley Harbor, in 3 to 8 fathoms.

**Velutina laevigata** (L.) Gould (= V. haliotoidea Gld.).

A very few small specimens were found at Henley Harbor, 3 to 8 fathoms; Dead Island, near Square Island, 1 to 4 fathoms, mud.
Littorinella minuta (Totten) Stimp. (= Rissoa minuta Ghl.).
Fox Harbor, Saint Lewis Sound, 1 to 4 fathoms, sand; one dead.

Cingula castanea (Möll.) Verrill.


Dead Island, near Square Island, 1 to 4 fathoms, hard bottom.

Littorina littorea (Linne) Menke.
Very rare at so northern a latitude.

Littorina rudis (Maton) Gould.
Much eroded specimens occurred at all the localities.

Lacuna vincta (Mont.) Turton.
Common at Forteau Bay, 20 fathoms; L'Anse au Loup, 8 to 15 fathoms; Fox Harbor, Saint Lewis Sound, 1 to 4 fathoms; Dead Island, near Square Island, 1 to 4 fathoms. The larger specimens measure about 13 mm in length and 8 mm in breadth.

Turritella erosa Couth.
Common at all the localities.

Turritella reticulata Migh.
L'Anse au Loup, 10 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Turritellopsis acicula Sars.


A few good, though dead, specimens were found at Dead Island, near Square Island, 1 to 4 fathoms, mud.

Trichotropis borealis Brod. & Sow.
L'Anse au Loup, 8 to 10 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 5 to 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Aporrhais occidentalis Beck.
Forteau Bay, 20 fathoms; L'Anse au Loup, 10 to 20 fathoms; Henley Harbor, 15 fathoms, living. Temple Bay; Fox Harbor, Saint Lewis Sound, 8 fathoms; Dead Island, near Square Island, 2 to 4 fathoms, dead.

Margarita helicina (Fabr.) Möll.
L'Anse au Loup, 10 fathoms, one dead. Very common, in 1 to 4 fathoms, at Fox Harbor, Saint Lewis Sound, and Dead Island, near Square Island.
Margarita cinerea (Couth.) Gould.
Dredged in abundance on sandy bottoms in 1 to 20 fathoms.

Margarita Grœnlandica (Gm.) Möll. (= M. undulata Gld.).
Common at all the localities. At Dead Island, near Square Island, 1 to 4 fathoms, the smooth variety was found.

Margarita argentata Gould.
One dead specimen was taken off Dead Island, near Square Island, in 2 to 4 fathoms, nullipore bottom.

Machæroplax varicosa (Migh.) Friele (= Margarita varicosa Gould).
Forteau Bay, 20 fathoms; L'anse au Loup, 10 to 15 fathoms, sand, in abundance; Dead Island, near Square Island, 1 to 4 fathoms.

Machæroplax obscura (Couth.) Friele (= Margarita obscura Gld.).
One specimen, living, at L'anse au Loup, 15 fathoms, sand.

Puncturella Noachina (L.) Lowe (= Cemoria Noachina Gld.).
Henley Harbor, 3 to 8 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Acmaea testudinalis (Müll.) Han. (= Tectura testudinalis Gld.).
L'anse au Loup, 8 to 15 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 5 to 10 fathoms; Fox Harbor, Saint Lewis Sound, 1 to 5 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

Acmaea rubella (Fabr.) Dall.
*Tectura rubella* G. O. Sars, Moll. Reg. Arct. Norvegiae, p. 121, pl. 8, figs. 5 a, b.
Plate IX, Figs. 5, 5a.
One living specimen was taken at Temple Bay, rocky bottom.

Lepeta cæca (Müll.) Gray.
Henley Harbor, 3 to 15 fathoms; Temple Bay, 5 to 10 fathoms.

Tonicella marmorea (Fabr.) Carp. (= Chiton marmoreus Gld.).
Occurred in abundance at L'anse au Loup, low-water mark to 8 fathoms; Henley Harbor, 3 to 15 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

Trachydermon ruber (Linne) Carp. (= Chiton ruber Gld.).
Found with the preceding, but not in such abundance.

Trachydermon albus (Linne) Carp. (= Chiton albus Gld.).
A few were found at L'anse au Loup, 8 to 10 fathoms, rocks, sand, and mud.

Proc. Nat. Mus. 83—16
Menestho albula (Fabr.) Möll. (non Gld.).

Plate IX, Fig. 11.
One young, living, at L'anse au Loup, 10 fathoms, mud and kelp. This specimen does not agree precisely with Greenland examples.

Clychna alba (Brown) Lovén.
Dead Island, near Square Island, 2 to 4 fathoms, nullipore bottom.

Coryphella diversa (Couth.) Verrill.
Two specimens. L'anse au Loup.

LAMELLIBRANCHIATA.

Saxicava arctica (Linné) Desh.
Common at most of the localities.

Cyrtodaria siliqua (Speng.) Woodw. (=Glycymeris siliqua Gld.).
One very young specimen. L'anse au Loup, 10 fathoms, mud and kelp.

Mya arenaria Linné.
Very common in 1 to 5 fathoms.

Mya truncata Linné.
L'anse au Loup, 10 fathoms, with sand and kelp, one young specimen.

Lyonsia arenosa (Möller) Möch.
One valve was found in Temple Bay, in 10 fathoms, mud.

Periploma papyracea (Say) Conrad; Verrill (=Anatina papyracea Gld.).
One valve of a very young specimen was dredged in Henley Harbor, 10 to 15 fathoms.

Macoma fragilis (Fabr.) H. & A. Ad. (=M. fusca Gld.).
In abundance in Fox Harbor, Saint Lewis Sound, 1 to 10 fathoms, mud.

Macoma sabulosa (Speng.) Möch (=M. proxima Gld.).
L'anse au Loup, Henley Harbor, Fox Harbor, Dead Island, near Square Island, in 1 to 15 fathoms.

Liocyma fluctuosa Dall (=Tapca fluctuosa Gld.).
L'anse au Loup and Henley Harbor, 10 to 15 fathoms.

Cardium ciliatum Fabr. (=C. Islandicum Gld.).
Cardium ciliatum Fabr., Fauna Grønln., p. 410. (1780.)
Cardium Islandicum Gmelin, Syst. Nat., p. 3252. (1792.)
Common in Henley Harbor, 10 to 15 fathoms; Temple Bay, 10 fathoms; Fox Harbor, Saint Lewis Sound, shallow water; Dead Island, near Square Island, 2 to 4 fathoms.
Serripes Grønlandicus (Gmel.) Beck.

Found in all the localities, in 1 to 15 fathoms.

Cryptodon Gouldii (Phil.) Stimp.

L'anse au Loup, 10 fathoms; Henley Harbor, 3 to 8 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

Axinopsis orbiculata Sars.


Plate IX, Fig. 4.

One specimen occurred in Henley Harbor, 10 to 15 fathoms.

Venericardia borealis (Con.) Carp. (= Caraita borealis Gld.).

Henley Harbor, 3 to 10 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Astarte elliptica (Brown) McGill.

Common in Henley Harbor and Temple Bay, in 5 to 15 fathoms.

Astarte Banksii (Leach) Gray.

In abundance at Henley Harbor, 3 to 15 fathoms; Temple Bay, 10 fathoms; Fox Harbor, Saint Lewis Sound, shallow water.

Astarte arctica (Gray) Forbes & Han.


Henley Harbor, 10 to 15 fathoms; Temple Bay, rocky bottom; Fox Harbor, Saint Lewis Sound, 3 to 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Nucula tenuis, var. inflata (Hancock).

Henley Harbor, in 3 to 8 fathoms.

Yoldia myalis (Couth.) Stimp.

A very badly worn valve was dredged at L'anse au Loup, in 15 fathoms, sand.

Leda Jacksoni Gould.

Henley Harbor and Temple Bay, in 10 to 15 fathoms.

Leda minuta (Müll.) Møller.

Found with the preceding.

Mytilus edulis Linné.

Henley Harbor, Temple Bay, Fox Harbor, Dead Island, in 1 to 10 fathoms.

Modiolia nigra (Gray) Lovén.

Several young specimens were found at L'anse au Loup, 10 fathoms.
Modiolaria discors (Linné) Lovén.
Dead Island, near Square Island, in 1 to 4 fathoms.

Modiolaria corrugata (Stimp.) Mörch.
Henley Harbor, in 3 to 8 fathoms.

Crenella faba (Müll.) (= C. pectinula Gld.,?).

The young of this species were found at L'anse au Loup, 10 to 15 fathoms, sand, mud, kelp; Fox Harbor, Saint Lewis Island, 1 to 4 fathoms, sand, abundant; Dead Island, near Square Island, shallow water.

Crenella glandula (Totten) H. & A. Ad.
L'anse au Loup, in 8 to 10 fathoms.

Crenella decussata (Mont.) Macg.
Crenella decussata Verrill, Cat. Mar. Mollusca, p. 573, Pl. 44, fig. 7.
PLATE IX, Fig. 2.

Several specimens were found at L'anse au Loup, 10 fathoms; Fox Harbor, Saint Lewis Sound, 3 fathoms.

Pecten Islandicus Müller.
Dead Island, near Square Island, in 1 to 4 fathoms.

Anomia aculeata Müll.
L'anse au Loup, 8 to 15 fathoms; Henley Harbor, 10 to 15 fathoms.

BRACHIPODA.

Rhynchonella psittacea (Gm.) Owen.
Henley Harbor, 3 to 8 fathoms; Temple Bay, 10 fathoms; Dead Island, near Square Island, 1 to 4 fathoms.

List of Labrador shells recorded by Dr. A. S. Packard, Jr., but not obtained by the Stearns expedition.

GASTROPODA.

Bela cancellata (Migh.) Stimp.
Fusus syrtensis, nov. sp. (Not seen.)
Fusus tornatus Gld. (Neptunea despecta (L.) Ad.).
Buccinum tenue Gray.
? Natica heros Sowb. (Lunatia heros (Say) H. & A. Ad.).
Littorina palliata Gld.
Scalaria Grønlandica Perry.
Margarita campanulata Morse, nov. sp. (M. helicina, var.).
Scissurella crispata Flem.
Adcorbis costulata Stimp. (Mølleria costulata (Møll.) Jeff., Fr.).
? Lamellaria perspicua Lovén. (Not seen.)
Bulla pertenuis Migh. (Diaphana pertenuis (Migh.) Verrill).
Bulla occulta Migh. (Cylichna occulta (Migh.) H. & A. Ad.).
Dendronotus arborescens Ald. & Han.

PTEROPODA.
Clione limacina Phipps (C. papilionacea Pallas).
Limacina helicina Phipps.

LAMELLIBRANCHIATA.
Solcn ensis Linné (Ensatella Americana (Gould) Verrill).
Kennerlia glacialis (Leach) Carp.*
Thracia Conradii Couth.
Thracia myopsis Beck.
Maetra solidissima Chem. (Spisula solidissima (Dillw.) Gray).
Maetra polyema Stimp. (Spisula ovalis Gld.).
Mesodesma Jauniesii Joannis (Ceronia deaurata (Turt.) Stimp.).
Gemma Totteni Stimp. (Tottenia gemma (Totten) Perkins).
? Cardium pinnulatum Conr.*
Cardium Hayesii Stimp. (C. ciliatum, var.).
Yoldia sapotilla Stimp.
Mytilus modiolus Linné (Modiola modiolus (Linné) Turton).
Pecten tenucostatus Mighels.
Limatula sulculus Leach. (Not seen.)

Catalogue of Echinoderma obtained by the Stearns expedition.

Lophothuria Fabricii Verrill.
Psolus Fabricii Duncan & Sladen, Echin. Arctic Sea, p. 10, pl. 1, figs. 9-13, 1881.

Young were found at Henley Harbor and Temple Bay in 8 to 10 fathoms.

Pentacta calcigera Stimp.
Cucumaria calcigera Duncan & Sladen, Echin. Arctic Sea, p. 5, pl. 1, figs. 3-8, 1881.

Fox Harbor, Saint Lewis Sound, in 1 to 3 fathoms. A number of good specimens were without a locality label.

Chirodota laeve Grube.
Chirodota laevis Duncan & Sladen, Echin. Arctic Sea, p. 12, pl. 1, figs. 14-19, 1881.

Temple Bay in 5 fathoms; Fox Harbor in 1 fathom; Dead Island, near Square Island, in 2 to 4 fathoms.

*1 Three specimens, sent to the Peabody Museum of Yale College, were labeled Pandora trilineata Say.

*2 One specimen labeled C. pinnulatum Conr., sent to the Peabody Museum of Yale College = Cardium ciliatum Fabr. (young).
Echinarchnius parma Gray.

Common at L'anse au Loup on sandy, muddy, and kelpy bottoms, in 10 to 15 fathoms.

Strongylocentrotus droebachiensis A. Ag.

Two large specimens were found at L'anse au Loup in 15 fathoms.

Asterias vulgaris Stimp.

Large specimens were found in abundance at low-water mark at Bonne Esperance, Esquimaux Bay.

Asterias polaris (M. & Tr.) Verrill.

Asteracanthion polare Duncan & Sladen, Echin. Arctic Sea, p. 23, pl. 2, figs. 4-8, 1881.

Found in abundance with the preceding. At L'anse au Loup a young specimen was taken in 8 fathoms.

Leptasterias littoralis (Stimp.) Verrill.

Several specimens were found at Dead Island, near Square Island, in 1 to 5 fathoms.

Leptasterias polare Duncan & Sladen, Echin. Arctic Sea, p. 23, pl. 2, figs. 18-21, 1881.

Henley Harbor in 10 to 15 fathoms; Dead Island, near Square Island, in 1 to 5 fathoms.

Crossaster papposus Mill. & Tro.

Crossaster papposus A. Agassiz, North Amer. Star fishes, pl. 12, 1877; Duncan & Sladen, Echin. Arctic Sea, p. 36, pl. 3, figs. 1-4, 1881.

A few specimens were taken in 10 fathoms at Henley Harbor and Temple Bay.

Ophiopholis aculeata Gray.

Ophiopholis bellis Lyman, Cat. Mus. Comp. Zoology, No. 1, p. 96, pl. 1, figs. 4-6, 1865.

L'anse au Loup in 8 to 15 fathoms; Henley Harbor at low-water mark, and 10 fathoms; Temple Bay in 10 fathoms; Dead Island, near Square Island, in 1 to 5 fathoms. Common.

Amphiura Sundevalli Mill. & Tur.

Amphiura Holbølli Duncan & Sladen, Echin. Arctic Sea, p. 67, pl. 4, figs. 15-17, 1881.

One mutilated specimen was found in 10 to 15 fathoms at Henley Harbor.

Ophioglypha Sarsii (Liitk.) Lym.

Ophioglypha Sarsii Duncan & Sladen, Echin. Arctic Sea, p. 60, pl. 4, figs. 3, 4, 1881.

Two were taken in 10 fathoms at Henley Harbor.
Ophioglypha robusta (Ayres) Lym.

Ophioglypha robusta Duncan & Sladen, Echin. Arctic Sea, p. 62, pl. 4, figs. 5-7, 1881.

L'anse au Loup; Henley Harbor, 10 fathoms; Dead Island, near Square Island, 2 to 4 fathoms.

Ophioglypha nodosa (Lüttk.) Lym.

Ophioglypha nodosa Lütken, Addit. ad Hist. Ophiur., pl. 2, figs. 9a, b, 1858.

The most abundant species. L'anse au Loup, Henley Harbor, and Temple Bay, in 10 to 15 fathoms.

List of Labrador Echinoderms recorded by Dr. A. S. Packard, Jr., but not obtained by the Stearns expedition.

Pentacta frondosa Jæger.

Eupyrgrus scaber Lütken.

Myriothrochus Rinkii Steenst.

Asterias grænlandicus Steenst. (Leptasterias grænlandicus V.).

Solaster endeca (Linn.) Forbes.

Ophiacantha spinulosa Müll. & Tr. (O. bidentata Ljung).

Astrophyton euenemis Müll. & Tr.

EXPLANATION OF PLATE IX.

Fig. 1.—Kennerlia glacialis, X 2. Specimen from Labrador, collected by Prof. A. S. Packard, jr., 1864.

1a. The same. Interior view of another specimen.

2.—Crenella decussata, X 6. From Grand Manan, N. B.

3.—Crenella faba, X 4. From Labrador.

4.—Axinopsis orbiculata, X 8. From Labrador.

5.—Aemuna rubella, X 4. From Labrador.

5a.—The same specimen. Profile view.

6.—Astyris rosacea, X 4. From Labrador.

7.—Bela pleurotomaria, X 3. From off Cape Cod.

8.—Bela Sarsii, X 4. From Labrador.

9.—Cingula castancá, X 8. From Gulf of Saint Lawrence.

10.—Bela incisula, X 2. From Eastport, Me.

11.—Mnestho albula, X 8. From Labrador.

12.—Sipho lividus, natural size. From a specimen taken off Metis, Canada, by Principal J. W. Dawson.

13.—Buccinum Totteni, natural size. Off Metis, Canada (J. W. Dawson).

14.—Buccinum ciliatum, X 2. Riviere du Loup, Canada (J. W. Dawson).

NEW HAVEN, CONN., MAY 1, 1883.
Plate IX.

(For text see pages 236-247.)

Fig. 1.—Kenneria glacialis, twice natural size. Specimen from Labrador, collected by Prof. A. S. Packard, jr., 1864.

Fig. 1a.—The same. Interior view of another specimen.

Fig. 2.—Crenella docussata, six times natural size. From Grand Manan, New Brunswick.

Fig. 3.—Crenella foiba, four times natural size. From Labrador.

Fig. 4.—Axinopsis orbiculata, eight times natural size. From Labrador.

Fig. 5.—Acmella rubella, four times natural size. From Labrador.

Fig. 5a.—The same specimen. Profile view.

Fig. 6.—Asterias rosacea, four times natural size. From Labrador.

Fig. 7.—Bela pleurotomaria, three times natural size. From off Cape Cod.

Fig. 8.—Bela sarsi, four times natural size. From Labrador.

Fig. 9.—Cingula castanea, eight times natural size. From Gulf of Saint Lawrence.

Fig. 10.—Bela incisula, twice natural size. From Eastport, Maine.

Fig. 11.—Menestho albula, eight times natural size. From Labrador.

Fig. 12.—Siphon liceidus, natural size. From a specimen taken off Metis, Canada, by Principal J. W. Dawson.

Fig. 13.—Buccinum Totteni, natural size. Off Metis, Canada (J. W. Dawson).

Fig. 14.—Buccinum ciliatum, twice natural size. Rivière du Loup, Canada (J. W. Dawson).