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THE POLYCHÆTA OF WEST GREENLAND

WITH SPECIAL REFERENCE TO
THE FAUNA OF NORDRE STRØMFJORD, KVANE-,
AND BREDEFJORD

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INTRODUCTION

The present work forms part of a synopsis of the North Atlantic polychaetes which I have endeavoured to make as complete as possible, partly on the basis of the present literature, partly on the basis of the huge material kept in the Zoological Museum of the University of Copenhagen. The polychaetes of the Faroes were already worked up by HJ. DITLEVSEN (1929). The polychaetes of the deep sea have been treated by the present author and are ready for publication; the polychaetes of Iceland are soon ready for the press, and these latter will be followed by a paper on the polychaetes from East Greenland, now in preparation.

Of the faunas from the different parts of the North Atlantic area that from West-Greenland is the best known, which is quite natural, since Danish zoologists through more than a century have been interested in the West-Greenland fauna and since the days of O. FABRICIUS have done much collecting work there, being guided in their treatments of the collections obtained by FABRICIUS's classic work "Fauna Groenlandica" (1780). Since this book was published several smaller papers on polychaetes from West-Greenland based on local collections or on special systematic groups have been issued. Under the heading: "West-Greenland Records" as complete a bibliography as possible is given of the species treated in the following.

The most important source of knowledge of the polychaetes of West-Greenland since FABRICIUS's above mentioned work, is presumably DITLEVSEN's polychaetes in "Conspectus Fauna groenlandica" (1914), a work which is, however, now regarded as highly incomplete, partly because it is exclusively compilatory, partly because of numerous inaccuracies; among other things it includes synonymous species in the list. One of the principal reasons for publishing the present paper is that during the last 30—40 years very rich collections of marine invertebrates have been brought home from West-Greenland. Of these only the polychaetes from the "Godthaab" Expedition 1928 have been worked up (DITLEVSEN 1937). As the most important collections from these last decades should be mentioned those secured by the "Dana"

in 1925 from Davisstrædet; those of RIIS-CARSTENSEN in 1926 from the great banks off the coast of Southwest-Greenland, those obtained during the annual coastal investigations of POUL M. HANSEN and during SALOMONSEN'S (1936) and VIBE'S (1939) researches, both the last mentioned in the Thule district. The only region of the long West-Greenland coast which is still a terra incognita is the Melville coast from Amdrup's Ø to Thule, an area which is only slightly accessible owing to the enormous glaciers which reach the coast here and the almost constant fog. — To these materials are added a fairly considerable collection from older time, which I have found by a thorough examination of the collections of the museum, and which was not previously worked up, although it ought to have been included by DITLEVSEN in his "Conspectus". This material was mainly collected by Danish officials in Greenland (OLRIK, BERGENDAL a. o.) or by Danish inspection vessels or by naval commanders (WANDEL, HOLM, a. o.) during cruises in Davisstrædet and Baffins Bugt.

Finally, the present paper comprises the considerable collections secured in Nordre Strømfjord in 1911 by V. NORDMANN and in Kvane- and Bredefjord in 1912 by K. STEPHENSEN, a material which, as far as the polychætes are concerned, has never been treated. The purpose of the investigations of these two vast West-Greenland fjord areas was among other things to find out if the faunas of them differed, which owing to their different hydrographic conditions was to be expected a priori. This point will be discussed later. Until now only very few animal groups have been treated, viz: the Hydroids, the Ascidians, the Crustacea, Echinoderms and the Pycnogonids.

In "Conspectus Faunæ Groenlandicæ" (1914) DITLEVSEN mentions 168 species of polychætes from Greenland of which the following 15 are synonymous with species already mentioned:

- Pholoë tecta* STIMPS. = *P. minuta* (O. FABR.).
Phyllodoce rinkii MLMGR. = *P. maculata* (L.).
P. luetkeni MLMGR. = *P. groenlandica* ØRST.
Eteone arctica MLMGR. } = *E. longa* (FABR.).
E. cylindrica ØRST. }
E. depressa MLMGR. } = *E. flava* (FABR.).
E. sarsi ØRST. }
Syllis oerstedii MLMGR. = *S. cornuta* RTKE.
S. incisa FABR. = *S. fasciata* MLMGR.
Autolytus alexandri MLMGR. = *A. verilli* MARENZ.
Owenia filiformis (d. CHIAJE) } = *O. fusiformis* d. CHIAJE.
O. assimilis (SARS) }

Nicolea zostericola ØRST. = *N. venustula* (MONT.).
Spirorbis carinatus MONT. } = *S. granulatus* L.
S. affinis LEV. }

To these are added 15 species by DITLEVSEN reported from East-Greenland only (later, it is true, some of these have been found in West-Greenland) and two species, which have been erroneously labelled. Thereby DITLEVSEN's list is reduced to contain only 136 species from West-Greenland.

In DITLEVSEN's and my "Ingolf" Reports (1917 and 1935 resp.) and in DITLEVSEN's "Godthaab" paper (1937) the following new forms are added from West-Greenland:

Aphrodite aculeata (L.).
Lætmonice filicornis KINB.
Harmothoë globifera (SARS).
H. bathydomus DITL.
H. acanella (VERR.).
Macellicephala violacea (LEV.).
Nemidia torelli MLMGR.
Leanira tetragona ØRST.
Sthenelais jeffreysi Mc'INT.
Eulalia tripunctata Mc'INT.
Eulalia tjalfiensis DITL.
Mystides occidentalis DITL.
Tomopteris nissenii ROSA.
T. cavalli ROSA.
T. krampi E. W-L.
T. septentrionalis QUATREF.
T. planktonis APST.
Travisiopsis lanceolata SOUTHERN.
T. levinseni SOUTHERN.
Eunice pennata (O. F. MÜLL.).
Lumbriconereis minuta THÉEL.
Ephesia peripatus CLAP.
Potamilla neglecta M. SARS.
Sabellastarte arctica DITL.
Chone duneri MLMGR.
Apomatus globifer THÉEL.
Filigrana implexa BERKELEY.

Furthermore the following species new to West-Greenland and mainly found in the "Ingolf" collections and determined by me are now to be included among the West-Greenland polychætes:

- Harmothoë vesiculosus* DITL.
H. mollis (G. O. SARS).
Lagisca hubrechtii (MC'INT.).
Mystides borealis THÉEL.
Euphrosyne cirrata M. SARS,
Spinther citrinus (STIMPS.).
Syllis armillaris (O. F. MÜLL.).
Sphærosyllis latipalpis LEV.
Exogene hebes WEBST. & BEN.
E. sp. E. W-L.
Autolytus groenlandicus E. W-L.
Leptonereis glauca CLAP.
Ceratocephala borealis E. W-L.
Nereis diversicolor O. F. MÜLL.
Nephtys coeca var. *ciliata* MC'INT.
Sphærodorum claparedei GREEFF.
Goniada maculata ØRST.
Hyalinoeca tubicola (O. F. MÜLL.).
Lumbriconereis impatiens CLAP.
L. latreilli (AUD. & EDW.).
Drilonereis filum (CLAP.).
Aricia kupfferi EHLERS.
Pygospio elegans CLAP.
Polydora coeca (ØRST.).
Prionospio cirrifera WIRÉN.
Aricidea suecica ELIASON.
Diplocirrus hirsutus ARM. HANS.
Pseudoscalibregma longisetosum THÉEL.
Ammotrypane cylindricaudatus ARM. HANS.
Praxillura longissima ARW.
Lumbriconereis nasuta E. W-L.
L. constricta E. W-L.
L. minor ARW.
Notoproctus oculatus var. *minor* ARW.
N. scutiferus E. W-L.
Nicomache quadrispinata ARW.
N. sp. E. W-L.
Leiochone polaris (THÉEL).
Leiochone borealis ARW.
Maldanella davisi E. W-L.
Heterochymene robusta ARW.
Maldane glebifex GR.
Samythella neglecta WOLLEB.

Glyphanostomum palescens (THÉEL).
Melinnides rostrata E. W-L.
Amphitrite affinis MLMGR.
Baffinia multisetosa E. W-L.
Serpula vermicularis L.
Placostegus tridentatus I. C. FABR.
Miroserpula inflata DONS.
Protula arctica ARM. HANS.

Thus the total number of species of polychætes now known from West-Greenland is 215. Of these the following are only labelled Greenland; (we are, however, justified in supposing that they originate from West-Greenland, since only 20—30 years ago nearly no collections at all were available from East-Greenland (except the collection of the "Danmark" Expedition)):

Nereis longissima JOHNST.
Nephtys hombergi AUD. & EDW.
Lumbriconereis latreilli AUD. & EDW.
Pygospio elegans CLAP.
Spio seticornis O. FABR.
Brada inhabilis (RTKE.).
Artacama proboscidea MLMGR.
Ditrupa groenlandica Mc'INT.
Chitinopoma fabrici LEV.

Since DITLEVSEN'S paper 1914 the following species have been described as new on the basis of collections from West-Greenland:

Harmothoë bathydomus DITL.
Eulalia tjalfiensis DITL.
E. minuta DITL. = *E. bilineata* JOHNST.
Mystides occidentalis DITL.
Maldanella davisii E. W-L.
Notoproctus scutifera E. W-L.
Baffinia multisetosa E. W-L.
Melinnides rostrata E. W-L.
Sabellastarte arctica DITL.

Finally the following forms mentioned in the present synopsis are dubious species which owing to insufficient descriptions have never been identified. (They are in square brackets and not numbered):

Phyllodoce incisa ØRST.
Nereis coerulea O. FABR.
Castalea rosea (O. FABR.).
Nephtys lactea MLMGR.

Under the heading: Occurrence, are mentioned all the localities at which the species was taken, and particulars as detailed as possible as regards depth, kind of bottom, date etc. have been given for the new species. The localities are divided into different sections: open sea, coastal waters and fjords. By open sea is meant the sea outside the many skerries and islets of the coast and the large off-shore banks in southwest Greenland; by coastal waters are meant the areas inside the skerries; as, however, the depths in the sheltered waters are often considerable, a locality several hundreds m deep may be found under the last section. By the fjords are understood only the two big fjord-areas, Kvane- and Bredefjord and Nordre Strømfjord, since the fauna in them is subjected to a special discussion later. For this reason the Qarajaqs Isfjord and Umanak-Fjord in which collecting work was also done are reckoned as coastal waters here. Within the two first mentioned areas the localities are enumerated from north to south; in the fjords in serial succession of the stations. The finding places of nearly each species are marked on a map which is also the case in my treatment of the polychætes from the deep sea and will be done both in the treatment of the polychætes from Iceland and from East-Greenland. — Under the heading: Remarks, a short summary is given of the general knowledge of the distribution of the species in West-Greenland. As regards the further distribution no details are given, only if the species is boreal, arctic, lusitanian etc. In the tables the figure in front of the specific name indicates the figure under which the species is mentioned in the synopsis.

If the species has a name in the Greenland language, this is added at the end; it always originates from FABRICIUS in "Fauna Groenlandica".

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POLYCHÆTA ERRANTIA

Family *Aphroditidæ* SAVIGNY.

Subfamily *Hermeoninæ* GRUBE.

1. *Aphrodite aculeata* (L.) 1765. (Chart 1).

West-Greenland records:

1917. *Aphrodite aculeata* DITLEVSEN, p. 3.
1937. *Aphrodite aculeata* DITLEVSEN, p. 5.
1950. *Aphrodite aculeata* E. WESENBERG-LUND, p. 5.

Occurrence:

The open sea: 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 1 spec. — 64°51' N. 55°14' W.; 800 m; Wandel; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 2 spec. — 62°07' N. 55°00' W.; 2750 m; "Godthaab" St. 180; 6. 10. 1928; 3 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 2 spec.

Remarks: This species is not common in arctic waters; in West-Greenland it does not occur in coastal areas, nor does it enter the fjords; it is only found sporadically in the deep parts of Davisstrædet south of the 65° North. Lat.

Distribution: Boreo-arctic, boreal, lusitanian, Mediterranean.

2. *Lætmonice filicornis* KINBERG 1855. (Chart 1).

West-Greenland records:

1917. *Lætmonice filicornis* DITLEVSEN, p. 4.
1937. *Lætmonice filicornis* DITLEVSEN, p. 5.
1950. *Lætmonice filicornis* E. WESENBERG-LUND, p. 5.

Occurrence:

The open sea: 66°49' N. 56°24' W.; 440 m; Wandel 1889; 5 spec. — 66°37' N. 56°37' W., 450 m; "Dana" St. 2346; 22. 6. 1925; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 12. 7. 1895; 15 spec. —

66°27' N. 57°16' W.; 686 m; "Tjalfe" St. 367; 19. 5. 1909; 2 spec. —
 66°21' N. 56°54' W.; 605—700 m; "Tjalfe" St. 365; 18. 5. 1909; 2 spec.
 — 65°36' N. 55°26' W.; 560 m; Wandel 1889; 4 spec. — 65°30' N.
 53°15' W.; 988—140 m; Wandel 1889. — 65°22' N. 56°28' W.; Wandel
 1889; 1 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895;
 1 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895;
 4 spec. — 63°54' N. 53°15' W.; 988 m; "Tjalfe" St. 427; 8. 6. 1909;
 1 spec. — 62°07' N. 55°00' W.; 2702 m; "Godthaab" St. 180; 6. 10. 1928;
 4 spec.

Remarks: Like the preceding species this species is restricted to the open sea and it also does not enter the Baffins Bugt. Its abyssal range seems to be more restricted too; only at the "Godthaab" St. 180 it has been taken at a considerable depth.

Distribution: Boreo-arctic, boreal, lusitanian.

Subfamily *Polynoïnæ* GRUBE.

3. *Eupolynoë occidentalis* Mc'INTOSH 1874.

(Chart 1).

West-Greenland records:

1877. *Eupolynoë occidentalis* Mc'INTOSH, p. 501.
 1914. *Eupolynoë occidentalis* DITLEVSEN, p. 677.

Occurrence:

The open sea: 70°30' N. 54°41' W.; off Hare Island, Disco; sandy mud; "Valorous"; about 350 m.

Distribution: The Gulf of St. Lawrence.

4. *Gattyana cirrosa* (PALLAS) 1766.

(Chart 2; I; A; a).

West-Greenland records:

1780. *Aphrodite scabra* FABRICIUS, p. 311.
 1865. *Nychia cirrosa* MALMGREN, p. 58.
 1875. *Gattyana cirrosa* LÜTKEN, p. 168.
 1877. *Nychia cirrosa* Mc'INTOSH, p. 500.
 1883. *Nychia cirrosa* LEVINSEN, p. 295.
 1889. *Nychia cirrosa* HOLM, p. 159.
 1897. *Gattyana cirrosa* VANHOFFEN, p. 222.
 1898. *Nychia cirrosa* MICHAELSEN, p. 120.
 1902. *Gattyana cirrosa* MOORE, p. 259.
 1914. *Gattyana cirrosa* DITLEVSEN, p. 682.
 1917. *Gattyana cirrosa* DITLEVSEN, p. 40.

1937. *Gattyana cirrosa* DITLEVSEN, p. 14.
 1950. *Gattyana cirrosa* E. WESEBERG-LUND, p. 5.
 1950. *Gattyana cirrosa* VIBE p. 96.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 2 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 1 spec. — 71°21' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; 2 spec. — 64°11' N. 52°47' W.; Fyllas Banke; 50 m; "Dana" St. 2318; 9. 6. 1925; 1 spec. — 64°02' N. 52°25' W., Fyllas Banke; 85 m; Riis-Carstensen; 27. 7. 1926; 1 spec.

Coastal waters: Neqé, Thule; 11. 12. 1939; 25—40 m; Chr. Vibe; 11. 22. 1939; 40 m; 3 spec. — Mc'Cormick Bugt — Barden Bugt — Saunders Ø, Thule; 35 m; Chr. Vibe; 31. 7. 1939; 1 spec. — Uvdle, Thule; 18—45 m; Chr. Vibe; 30. 7. 1939; 10 spec. — Nordstjernebugt, Thule; 14 m; clay; F. Salomonsen; 14. 8. 1936; 2 spec. — Kap York — The harbour at the West side of the island Qutdlikorssuit, 73°55' N. 56°40' W.; 15—30 m; Fr. Johansen; 20. 8. 1931; mud, *Laminaria*; 4 spec. — The entrance to the Tasiussa-q-harbour, N. of Upernavik; 15—30 m; Fr. Johansen; 13. 8. 1931; 2 spec. — The bay off the entrance to Tasiussa-q N. of Upernavik; 40 m; stone, mud; Fr. Johansen; 8. 8. 1931; 10 spec. — Upernavik harbour; Holm; 1 spec. — Sigrid's harbour off Upernavik; 11—15 m; F. Salomonsen; 21. 7. 1936; sandy clay; 2 spec. — Prøven harbour; 10—17 m; sand and clay; F. Salomonsen; 17. 7. 1936; 3 spec. — Ritenbenk; Andersen; 5 spec. — Jakobshavn; Olsen 1898; 3 spec. — Godhavn; 1 spec. — Egedesminde; Bernburg 1903; 1 spec. — Tatsip atâ; O. Bendixen; 20. 8. 1916; 1 spec. — Holsteinsborg; Lundbeck 1889; 10 spec. — Skerry off Holsteinsborg; "Godthaab" St. 33a; 2. 7. 1928; 1 spec. — Agpamiut, Kangerdluarssuk; Poul M. Hansen; 2. 8. 1926; 1 spec. — Sukkertoppen; Holm. — Off Ravns Storø; 25 m; "Godthaab" St. 29c; 16. 6. 1928; 8 spec. — Sangmissoq at Sârdloq; Poul M. Hansen; 8. 9. 1937; 7 spec.

The fjords: Nordre Strømfjord: a small side-fjord 18 miles from the mouth; 22. 6.; 41—42 m; clayey sand; 6 spec. — St. 2; 12 miles from the mouth; 23. 6.; ooze, a few stones; 375—380 m; 10 spec. — St. 3c; about 17 miles from the mouth; 25. 6.; ooze; 200—240 m; 1 spec. — St. 7; about 14½ miles from the mouth; 27. 6.; clayey sand; 51—54 m; 2 spec. — St. 8; about 15½ m from the mouth; 27. 6.; sandy ooze; *Laminaria*; 12—29 m; 1 spec. — The first camp, between high and low water mark; 30. 6.; 4 spec. — St. 10A; a small bay about 44 miles from the mouth; 6. 7.; sand, little clay; 58 m; 8 spec. — St. 11B; about 53 miles from the mouth; 6. 7.; coarse gravel; 67—56 m; 2 spec. — St. 19; Sánerut bay; 12. 7.; grey clay, hard bottom; 225—240 m; 12 spec. — St. 26; the bay at Iturdliarssuk; 24. 7.; stone; 30—50 m; 8 spec. — St. 29; the head of the western branch of the broad

of Ugssuit; 26. 7.; sandy clay, stone, 16—16 m; 3 spec. — St. 31; the mouth of the western branch of the broad of Ugssuit, 26. 7.; gravel; 46—35 m; 1 spec. — St. 32; 5 miles W.S.W. of Sarfarssuaq; 27. 7.; gravel; 35—20 m; 2 spec. — St. 33; same locality; 150 m; 1 spec. — St. 34 and st. 35; Bay on the northern side of Ipiutarssuaq; 28. 7.; clayey sand and algæ; 8—21 m and 225—210 m; 6 and 2 spec. —

Kvanefjord: St. 4; 22. 6; Algæ with stones; 20,5 m; 1 spec. — St. 10; 25. 6.; stones, algæ, little clay; 54 m; 2 spec. — St. 13; 26. 6.; algæ with hydroids; 34 m; 4 spec. — Bredefjord; St. 32; 16. 7.; stones with algæ; 37—35 m; 10 spec. — St. 35; 16. 7.; 400 m w.; 1 spec. — St. 36; 16. 7.; shell-gravel, about 50 m; 1 spec. — St. 46; 18. 7.; shell-gravel, stone; 30—20 m; 10 spec. — St. 48; 19. 7.; 500 m w.; 27 spec. — St. 62; 22. 7.; ooze with gravel; 10—15 m; 2 spec. — St. 66; 23. 7.; Laminaria; 9—11 m; 2 spec. — St. 76; 25. 7.; stones, little clay; 250—320 m; 1 spec. — St. 79; 27. 7.; shell-gravel; 30—50 m; 2 spec. — St. 91; 1. 8.; stony clay; 180—110 m; 1 spec. — St. 98; 4. 8.; fine clay, a few stones; 520—560 m; 4 spec. — St. 123; 25. 8.; algæ with gravel; 5—10 m; 2 spec. — St. 127; 26. 8.; gravel, little clay; 10—15 m; 1 spec. — Skovfjord: St. 142; 2. 9.; algæ and gravel; 14—18 m; 10 spec. — St. 143; 3. 9.; clay with big stones; 65—90 m; 7 spec. — St. 145; 5. 9.; stones, Laminaria; 10—35 m; 1 spec.

Remarks: The species is distributed along the whole coast mainly in the littoral zone, being everywhere inside its area of distribution a typical coastal form. In the open sea it occurs only scantily and only on the off-shore banks and the shoals. — It is common in both the large fjord areas from the mouth to the head of the fjords. In accordance with its occurrence in other regions the species, also in West-Greenland waters, is much adaptable to various degrees of salinity.

Distribution: Widely spread in arctic, boreal and lusitanian waters. Circumpolar.

5. *Gattyana amondseni* MALMGREN 1867.

(Chart 2; I).

West-Greenland records:

- 1867. *Nychia amondseni* MALMGREN, p. 5.
- 1875. *Nychia amondseni* LÜTKEN, p. 168.
- 1877. *Nychia amondseni* Mc'INTOSH, p. 500.
- 1883. *Nychia amondseni* LEVINSSEN, p. 295.
- 1902. *Gattyana amondseni* MOORE, p. 259.
- 1914. *Gattyana amondseni* DITLEVSEN, p. 683.
- 1917. *Gattyana amondseni* DITLEVSEN, p. 41.
- 1937. *Gattyana amondseni* DITLEVSEN, p. 15.
- 1950. *Gattyana amondseni* E. WESENBERG-LUND, p. 5.

Occurrence::

The open sea: 74°12' N. 77°30' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 1 spec. — 69°42'8 N. 56°28' W.; 160 m; "Godthaab" St. 49; 13. 7. 1928; 1 spec.

Coastal waters: Mc'Cormick Bugt — Godhavn.

The fjords: 18 miles from the mouth of Nordre Strømfjord; 41—21 m; 22. 6. 1911; clayey sand; 1 spec.

Remarks: The species was originally described from Godhavn, and has later on been widely refound, but it is scarce along the West coast from the highest north from Inglefield Bredning unto the southern part of the Baffins Bugt. The single find in Nordre Strømfjord is close to the mouth. The species is not an inhabitant of the littoral zone, although it does not occur in the abyssal region of the open sea. It is everywhere inside its area of distribution a rather scarce form.

Distribution: Widely but scarcely distributed in arctic and boreal regions.

[*Gattyana ciliata* MOORE 1902.

West-Greenland records:

1902. *Gattyana ciliata* MOORE, p. 263.

1905. *Gattyana ciliata* MOORE, p. 525.

1914. *Gattyana ciliata* DITLEVSEN, p. 684.

Remarks: The species, which, as far as I know, has not been re-found since its establishment, was erected on three specimens from the Mc'Cormick Bugt on the north coast of Inglefield Bredning. It is distinguished from other species of the genus by the long capillary tips of all the notopodial setæ.—In 1905, however, MOORE published a paper in which he states that it seems almost certain that the label of these specimens has been displaced and that they really come from Alaska. The species therefore should not be enumerated among the West-Greenland polychætes. DITLEVSEN (1914) has not given attention to MOORE's corrections.]

6. *Harmothoe senta* (MOORE) 1902.

(Chart 1).

West-Greenland records:

1902. *Gattyana senta* MOORE, p. 259.

1905. *Gattyana senta* MOORE, p. 525.

1914. *Gattyana senta* DITLEVSEN, p. 683.

?1917. *Harmothoë nodosa* DITLEVSEN, p. 6.

1937. *Harmothoë senta* DITLEVSEN, p. 8.

Occurrence:

Coastal waters: Mc'Cormick Bugt. — $76^{\circ}48'8''$ N. $69^{\circ}38'$ W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 3 spec. — $76^{\circ}36'$ N. $68^{\circ}54'$ W.; 180—90 m; "Godthaab" St. 86; 1 spec.

Remarks: The species was originally described on two specimens from Mc'Cormick Bugt; but as to the preceding species MOORE (1905) states, that the label has been displaced and that they really originate from Alaska. DITLEVSEN, however, found four specimens in the "Godthaab 1928" material, worked up by himself in 1937, collected off Thule, and he refers them to MOORE's species on account of the characteristic spiny bodies of the scales, the position of the eyes and the structure of the bristles. In the "Ingolf" report the same author regards MOORE's species as identic with *Harmothoë nodosa* (SARS). He proves that MOORE's species is not a *Gattyana* — but a *Harmothoë*-species, and refers it to the species *nodosa*, stating that the only difference between these two species is, that in MOORE's specimens "the spines of the scales have become uncommonly long and proportionally much ramified". He presumes furthermore, that in a specimen from the Davisstrædet he has found an intermediate form between *H. senta* and *H. nodosa*. This specimen is now not to be found in the collections.—What makes DITLEVSEN's presumption problematic is that 20 years later he refers four specimens from the northern part of the Baffins Bugt ("Godthaab" 1928 st. 86) to MOORE's species without mentioning that he previously considered *H. senta* is identical with *H. nodosa*. He refers to MOORE's own rectification that his specimen does not come from Greenland but from Alaska, and he adds: "The "Godthaab" Expedition has now substantiated the occurrence in West-Greenland of the species under consideration". — I have studied the species from "Godthaab" and are absolutely inclined to regard them as MOORE's species and like DITLEVSEN alter the generic name to *Harmothoë*.

7. *Harmothoë globifera* (SARS) 1872.

(Chart 2).

West-Greenland records:

1917. *Harmothoë globifera* DITLEVSEN, p. 9.
 1937. *Harmothoë globifera* DITLEVSEN, p. 6.
 1950. *Harmothoë globifera* E. WESEBERG-LUND, p. 6.

Occurrence:

The open sea: $76^{\circ}37'$ N. $74^{\circ}18'$ W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — $74^{\circ}12'$ N. $77^{\circ}00'$ W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 1 spec. — $73^{\circ}12'$ N. $58^{\circ}08'$ W.; 850 m; "Godthaab" St. 64;

28. 7. 1928; 1 spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 367;
 19. 5. 1909; 3 spec. — 64°14' N. 55°55' W.; 839 m; "Tjalfe" St. 408;
 7. 6. 1909; 3 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35;
 18. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25;
 26. 6. 1895; 1 spec. — 59°12' N. 51°05' W.; 3502 m; "Ingolf" St. 38;
 30. 7. 1895; 4 spec.

Coastal waters: 77°28' N. 58°46' W.; 875 m; "Godthaab" St. 94;
 6. 8. 1928; 2 spec. — 70°51' N. 52°01' W.; 733 m; "Godthaab" St. 144;
 5. 9. 1928; 3 spec.

Remarks: The species is found in abyssal waters in the open sea in Baffins Bugt and on the ridge between C. Walsingham and West-Greenland. A single capture south west of Greenland. Inside the skerries, yet in deep waters, it has hitherto only been found in Inglefield Bredning and in the Umanak district.

Distribution: A pronounced arctic species only boreo-arctic in Norway and south of Iceland.

8. *Harmothoë nodosa* (M. Sars) 1860.

(Chart 1; I; A.)

West-Greenland records:

1843. *Eunoë scabra* ØRSTED (non FABRICIUS), p. 164.
 1865. *Eunoë oerstedii* MALMGREN, p. 61.
 1865. *Eunoë nodosa* MALMGREN, p. 64.
 1875. *Eunoë Ørstedii* LÜTKEN, p. 168.
 1875. *Eunoë nodosa* LÜTKEN, p. 168.
 1877. *Eunoë oerstedii* Mc'INTOSH, p. 500.
 1883. *Harmothoë nodosa* LEVINSSEN, p. 294.
 1889. *Harmothoë nodosa* HOLM, p. 157.
 1897. *Harmothoë nodosa* VANHÖFFEN, p. 222.
 1902. *Harmothoë (Eunoë) nodosa* MOORE, p. 271.
 1914. *Harmothoë nodosa* DITLEVSEN, p. 680.
 1917. *Harmothoë nodosa* DITLEVSEN, p. 6.
 1937. *Harmothoë nodosa* DITLEVSEN, p. 10.
 1939. *Eunoë nodosa* VIBE, p. 10; p. 24.
 1950. *Harmothoë (Eunoë)* E. WESENBERG-LUND, p. 6.

Occurrence:

Open Sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 2 spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 4 spec. — 69°30' N. 56°32' W.; 202 m; "Dana" St. 2363; 27. 6. 1925; 1 spec. — Store Hellefiskebanke; 35 m; Holm; 2 spec. — 66°37' N. 56°37' W.; 450 m; "Dana" St. 2346; 22. 6. 1925; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 10. 10. 1928; 1 spec.

Coastal waters: Mc'Cormick Bugt. — 77°17' N. 69°59' W.; 930 m; "Godthaab" St. 90; 5. 8. 1928; 3 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 2 spec. — Upernavik; "Godthaab"; 1 spec. — Spraglebugt; Umanak; "Godthaab"; >10 m; 5. 7. 1928; stones; 1 spec. — 70°42' N. 54°28' W.; 375 m; "Tjalfe" St. 177; 7. 8. 1908; 2 spec. — Godhavn; 1 spec. — 68°20' N. 54°03' W.; 375 m; "Tjalfe" St. 107; 9. 7. 1908; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 1 spec. — Holsteinsborg harbour. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 2 spec. — 62°58' N. 50°52' W.; 47 m; "Tjalfe" St. 465; 21. 6. 1909; 2 spec.

The fjords: Nordre Strømfjord St. 2; 12 miles from the mouth; 375—380 m; 23. 6. 1911; 1 spec. — St. 3c; 17 miles from the mouth; 200—240 m; 25. 6. 1911; 1 spec. — St. 4b; 25 miles from the mouth; 48—46 m; 27. 6. 1911; 1 spec. — Bredefjord St. 53; 260 m; 20. 7. 1912; 1 spec.

Remarks: The species is spread all over the coast from about 78°—60° N. Lat. It is not common in the open sea and does not belong to the deep-sea fauna. In both Nordre Strømfjord and Bredefjord it has been found close to the mouths.

Distribution: Common in shallow waters and on the shelves in the arctic part of the Atlantic Ocean; extends into the boreal zone.

9. *Harmothoë imbricata* (L.) 1767.

(Chart 3; II; B; b).

West-Greenland records:

- 1780. *Aphrodite cirrata* FABRICIUS, p. 308.
- 1843. *Lepidonote cirrata* ØRSTED, p. 166.
- 1865. *Harmothoë imbricata* MALMGREN, p. 66.
- 1875. *Harmothoë imbricata* LÜTKEN, p. 168.
- 1877. *Harmothoë imbricata* Mc'INTOSH, p. 500.
- 1883. *Harmothoë imbricata* LEVINSEN, p. 294.
- 1889. *Harmothoë imbricata* HOLM, p. 155, p. 156, p. 159.
- 1897. *Harmothoë imbricata* VANHÖFFEN, p. 222.
- 1898. *Harmothoë imbricata* MICHAELSEN, p. 121.
- 1902. *Harmothoë imbricata* MOORE, p. 270.
- 1914. *Harmothoë imbricata* DITLEVSEN, p. 678.
- 1917. *Harmothoë imbricata* DITLEVSEN, p. 10.
- 1937. *Harmothoë imbricata* DITLEVSEN, p. 12.
- 1939. *Harmothoë imbricata* VIBE, p. 14, p. 24.
- 1950. *Harmothoë imbricata* E. WESEBERG-LUND, p. 6.
- 1950. *Harmothoë imbricata* VIBE p. 96.

Occurrence:

The open sea: Store Hellefiskebanke; 37 m; Holm; ∞ spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 367; 19. 5. 1909; 1 spec. — 59°12' N. 51°05' W.; 3520 m; "Ingolf" St. 38; 30. 7. 1895; 3 spec.

Coastal waters: Vinterhavnen, Havnefjord, N. W. Greenland; II Fram Expedition; 25. 7. 1900; 1 spec. — Mc'Cormick Bugt. — Saunders Ø; 33 m; 31. 7. 1939; Chr. Vibe; 3 spec. — Uvdle, Thule; 30—32 m; 30. 7. 1939; Chr. Vibe; 3 spec. — Refuge Harbour, Thule; 11. 8. 1939; 10—30 m; Chr. Vibe; 1 spec. — Neqé; 12. 10. 1939; 25—40 m; Chr. Vibe. — Thule harbour; 5 m; Lauge Koch; 15. 8. 1916; 1 spec. — Nordstjernebugt, Thule; 14 m; F. Salomonsen; 14. 8. 1936; 10 spec. — Thule harbour and Thule bay; "Godthaab" 14. 8. 1928; 15 spec. — Camp Clay, Kap Sabine; II Fram Expedition; 18. 8. 1898; 2 spec. — 75°55' N. 56°40' W.; West coast of Qutdlorssuit Island; 28 m; mud; 20. 8. 1931; Fr. Johansen; 1 spec. — Upernavik; 60 m; Ryder and others; 1886; ∞ spec. — Qaersøq, Upernavik; 5—8 m; Salomonsen; 5. 7. 1936; 2 spec. — Prøven; Olrik; 2 spec. — Umanak; Olrik; 4 spec. — Qarajaqs Isfjord; Vanhöffen. — Jakobshavn; Traustedt; 1892; ∞ spec. — Disko, Godhavn; tossed upon the shore; Fr. Johansen; September 1931; 3 spec. — 69°08' N. 53°12' W.; 263 m; "Tjalfe" St. 113A; 12. 7. 1908; 1 spec. — 68°28' N. 54°47' W.; 400 m; "Tjalfe" St. 199; 18. 8. 1908; 1 spec. — Egedesminde; Traustedt and others; ∞ spec. — 68° N. 54°50' W.; "Islands Falk" St. X; 16. 8. 1926; 2 spec. — Ulkebugt, near Holsteinsborg; ooze; Traustedt 1892; 10 spec. — Holsteinsborg; Traustedt 1892; 5 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 1 spec. — Agpamiut; under stones at low water; Poul M. Hansen; 9 spec. — The harbour of Sukkertoppen; 37 m; Holm; 1886; 10 spec. — Sarqaq, Kangerdluarssuk; Holsteinsborg district; Bernburg; 5 spec. — Ameralik; 37 m; "Ingolf" 23. 7. 1895; 5 spec. — Godthaab; Ryder; 1889. — Godthaab, the harbour; Poul M. Hansen; 8. 5. 1927; 9 spec. — Frederikshaab; Lundbeck; 9. 7. 1889; 1 spec. — 62°58' N. 50°52' W.; 47 m; "Tjalfe" St. 465; 21. 6. 1909; 10 spec. — Igaliko Fjord, Julianehaab; 10 m; Bernburg 1903. — Kobbermineøen, Julianehaab district; Bernburg; 8 spec. — Sangmissoq at Sardloq; Poul M. Hansen; 8. 9. 1937; — Ivigtut; V. Nielsen; 2 spec. — Sigssarigsoq Fjord at Nanortalik; Bernburg; 3 spec. — At Qagssimiut, 60°45' N. 47°10' W.; 1,5 m; Fr. Johansen; 4. 11. 1931; 4 spec.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; 22. 6. 1911; clayey sand; 5 spec. — St. 2; 12 miles from the mouth; 373—380 m; 23. 6. 1911; 1 spec. — St. 3B; 17 miles from the mouth; 14—38 m; 25. 6. 1911; 5 spec. — St. 7; 14½ miles from the mouth; 51—54 m; 27. 6. 1911; 3 spec. — St. 8; 15½ miles from the mouth; 12—29 m; 27. 6. 1911; ∞ spec. — St. 9B; 37 miles from the mouth; 44—64 m; 6. 7. 1911; ∞ spec. — St. 10A; 44 miles from the mouth; 58—58 m; 6. 7. 1911; 1 spec. — St. 23; the broad of Ugssuit; 50—52 m; 16. 7. 1911; 1 spec. — St. 28; the bay at Itivdiarsssuk; 20—36 m; 24. 7. 1911; 1 spec. — St. 32; 5 miles W. S. W. of Sarfarssuaq; 35—20 m; 27. 7. 1911; 4 spec. — St. 34; Bay at the northern coast of

Ipiutarssuaq 8—21 m; 28. 7. 1911; 1 spec. — Kvanefjord: St. 1. Off the cape between Kangårssuk and Islivigut; 84 m; 21. 6. 1912; stones without algæ; 1 spec. — St. 4A; 205 m; algæ and stones; 22. 6. 1912; 2 spec. — St. 9; 22—24 m; algæ; 25. 6. 1912; 3 spec. — St. 10; 54 m; stones, algæ, clay; 25. 6. 1912; 1 spec. — St. 13; 34—40 m; algæ with hydroids; 26. 6. 1912; 4 spec. — St. 28; 400 m. w.; about 250 m; 5. 7. 1912; 3 spec. — Bredefjord: St. 32; 37—35 m; stones with algæ; 16. 7. 1912; 10 spec. — St. 36; 100—29 m; shell-gravel; 16. 7. 1912; 4 spec. — St. 37; 20—30 m; Laminaria; 17. 7. 1912; 3 spec. — St. 46; 30—20 m; shell-gravel with big stones; 18. 7. 1912; 1 spec. — St. 48; shallow water; shell-gravel; 19. 7. 1912; 1 spec. — St. 55; 330—310 m; clay with stones; 20. 7. 1912; 4 spec. — St. 62; 10—15 m; ooze with gravel and dead algæ; 22. 7. 1912; 1 spec. — St. 66; 9—41 m; Laminaria; 23. 7. 1912; 3 spec. — St. 68; 60—95 m; stones; 24. 7. 1912; 2 spec. — St. 79; 30—50 m; shell-gravel; 27. 7. 1912; 1 spec. — St. 88; 40—70 m; 31. 7. 1912; 1 spec. — St. 93; 10 m; fetid, black ooze with putrid algæ; 2. 8. 1912; 4 spec. — St. 104; 7—29 m; Laminaria; 5. 8. 1912; 10 spec. — St. 123; 5—10 m; algæ, gravel; 25. 8. 1912; 10 spec. — St. 141; 37—70 m; stones with barnacles; 2. 9. 1912; 1 spec. — St. 142; 14—18 m; algæ, gravel; 2. 9. 1912; 10 spec. — Skovfjord: St. 145; 10—35 m; stones and Laminaria; 5. 9. 1912; 2 spec. — St. 156; 70—40 m; stones with barnacles; 15. 9. 1912; 7 spec.

Remarks: The species varies much in colour in accordance to its surroundings, but it also varies much in a certain anatomical feature viz: the structure of the scales. In some specimens the big papillæ of the posterior border of the scales may be large and numerous, in others they are small and few and in others again they may even be absent. Besides this great variability in aspect the species possesses an extensive physiological adaptability to the physical conditions of its habitat, e. g. bathymetrical range, temperature, salinity etc.

H. imbricata is one of the most common polychætes in West-Greenland coastal waters, among the skerries and on the shelf. It enters the fjords; in Bredefjord it penetrates unto the mouth of the Tunugdliarfik and the Sermilik, i. e. it does not pass into the innermost branches of this area; in Nordre Strømfjord, however, it is met with unto the very head of them, both at Itivdliarsuk and in the broad of Ugssuit.—It is very scarce in the open sea, and is only exceptionally dredged in the abyssal regions.

Distribution: Widely spread along the coasts of the North Atlantic Ocean, even as far north as explorations have been made. Circumpolar; common in the boreal and lusitanian areas too.

In Greenlandic: Koperdlurksoak.

10. *Harmothoë impar* (JOHNSTON) 1840.
(Chart 4).

West-Greenland records:

1877. *Evarne impar* Mc'INTOSH, p. 501.
1902. *Harmothoë (Evarne) impar* MOORE, p. 270.
1914. *Harmothoë impar* DITLEVSEN, p. 679.
1937. *Harmothoë impar* DITLEVSEN, p. 12.

Occurrence:

The open sea: 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — 67°50' N. 55°27' W.; "Valorous". — 64°50' N. 56°47' W.; "Valorous".

Coastal waters: Mc'Cormick Bugt. — Saunders Ø. — Holsteinsborg harbour. — Godhavn.

Remarks: The species is rare in West-Greenland, but distributed from Inglefield Bredning to the southern part of Davisstrædet. It does not enter the fjords.

Distribution: Mainly arctic; furthermore boreo-arctic and boreal; mainly restricted to shallow waters.

11. *Harmothoë longisetis* (GRUBE) 1863.
(Chart 4; II; B).

West-Greenland records:

1902. *Harmothoë (Lænilla) glabra* MOORE, p. 270.
1914. *Harmothoë glabra* DITLEVSEN, p. 681.
1950. *Harmothoë longisetis* E. WESENBERG-LUND, p. 7.

Occurrence:

The open sea: 64°02' N. 52°25' W.; 38 m; Riis-Carstensen; 28. 7. 1926; 2 spec. — 64°01' N. 52°40' W.; 83 m; Riis-Carstensen; 28. 7. 1926; 1 spec.

Coastal waters: Mc'Cormick Bugt. — Barden Bugt. — The strait between Langø and Upernavik; Fuglehullet; 12 m; F. Johansen; 3. 8. 1931; algæ, stones, mud; 4 spec. — Entrance of the harbour of Tasiussaq, N. of Upernavik; F. Johansen; 13. 6. 1931; 8 spec. — Godhavn, washed ashore; Porsild; 23. 8. 1919; 3 spec. — Agpamiut; on the shore; Poul M. Hansen; 3. 5. 1927; 1 spec. — The head of the Kapisigdlit Fjord, W. of the Lakseelv; 10—0 m; "Dana" St. 2324; 15. 6. 1925; 1 spec. — Sydprøven; low-water; F. Johansen; 31. 10. 1931; 6 spec. — Nanortalik, coastal water; F. Johansen; 29. 10. 1931; 1 spec. — Ikeq; Poul M. Hansen; 11. 10. 1929; 1 spec.

The fjords: Nordre Strømfjord; St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 1 spec. — St. 29; the head of the

broad of Ugssuit; 16 m; sandy clay; 26. 7. 1911; 1 spec. — Bredefjord: St. 127; 10—15 m; gravel, little clay; 26. 8. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; 3. 9. 1912; clay, large stones; 2 spec.

Remarks: The species is mainly a coastal form; when it is found in the open sea, it is on the large off-shore bank, Fyllas Banke. It is worth noticing, that in Nordre Strømfjord it occurs close to the mouth and at the head of the northernmost branch of the broad of Ugssuit. In Bredefjord it is likewise found rather close to the mouth (yet at the head of a little creek) and fairly far away into Skovfjord.

Distribution: Arctic; boreal and lusitanian.

12. *Harmothoë vesiculosa* DITLEVSEN 1917.

(Chart 4).

Occurrence:

The open sea: Store Hellefiskebanke; 1 spec.

Remarks: The species was described from S. W. of Ireland 1180 m, a great number of fragments all in a fairly poor condition. I have re-examined the specimens and was for a long time of the opinion that they were aberrant forms of *Harmothoë imbricata*, and I regarded the big translucent vesicles at the posterior border of the scales as abnormal, being the normal large papillæ of *H. imbricata* which here were extraordinarily puffed up due to the high pressure to which the specimens had been exposed in the great depth from which they were secured. Previously, I had the opportunity to see, that papillæ, normally small and inconspicuous, may get puffed up to big, thin-walled vesicles in specimens from abyssal regions (compare "Ingolf" Gephyrea, where I have described and figured a *Phascolosoma margaritaceum* in which the papillæ of the skin have undergone this transformation). In the material now studied I have, however, found two specimens in every respect agreeing with DITLEVSEN's description of *H. vesiculosus* and both from shallow waters, the one from Store Hellefiskebanke, the other from Lindenows Fjord in S. E. Greenland, and I am now inclined to regard DITLEVSEN's species as a valid species, closely allied to *H. imbricata*, because the setæ, the cephalic lobe, the position of the eyes etc. are similar in the two species, which only differ from each other in the structure of the scales.

13. *Harmothoë badia* THÉEL 1879.

(Chart 4; II; B; a).

West-Greenland records:

1883. *Harmothoë badia* LEVINSEN, p. 293.

1897. *Harmothoë badia* VANHÖFFEN, p. 222.

1898. *Harmothoë badia* MICHAELSEN, p. 122.
 1914. *Harmothoë badia* DITLEVSEN, p. 677.
 1917. *Harmothoë badia* DITLEVSEN, p. 22.
 1937. *Harmothoë badia* DITLEVSEN, p. 8.

Occurrence:

The open sea: 76°37' N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 1 spec. — 67°48' N. 60°48' W.; 1600 m; "Godthaab" St. 162a; 13. 9. 1928; 1 spec. — 59°35' N. 57°03' W.; 1200 m; 1 spec. — 59°12' N. 51°05' W.; 3521 m; "Ingolf" St. 38; 30. 7. 1895; 1 spec.

Coastal waters: 71°21' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; 4 spec. — Qarajaqs Isfjord; 196 m; Vanhöffen. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166b; 13. 9. 1928; 2 spec.

The fjords: Nordre Strømfjord, St. 11 A; 53 miles from the mouth; 380 m; grey clay; 6. 7. 1911; 1 spec. — Bredefjord, St. 76; 320—260 m; 25. 7. 1912; stony clay; 1 spec. — Kvanefjord: St. 23; 410—200 m; clay with large stones; 29. 6. 1912; 1 spec.

Remarks: The species may be found in the abyssal region as well as on the shelf. It is scarce in the fjords; in Bredefjord only one find in the deep basin of the middle part, and in Nordre Strømfjord one find in the central part of the fjord also in deep water.

Distribution: Widely spread in the deep areas of the Norwegian Sea; mainly arctic and probably circumpolar.

14. *Harmothoë sarsi* (KINBERG) 1862 m. s.

(Chart 5; III).

West-Greenland records:

1865. *Antinoë sarsi* MALMGREN, p. 75.
 1875. *Antinoë sarsi* LÜTKEN, p. 168.
 1902. *Antinoë sarsi* MOORE, p. 269.
 1914. *Harmothoë sarsi* DITLEVSEN, p. 677.
 1937. *Harmothoë sarsi* DITLEVSEN, p. 13.

Occurrence:

The open sea: St. 114; 76°40' N. 76°20' W.; 85 m; "Godthaab" 16. 8. 1928; 1 spec. — Totness Road, Exeter Sound. — Store Hellefiskebanke; 35 m; Holm, 5. 8. 1886; 1 spec. — 60°07' N. 48°26' W.; 600 m w.; "Tjalfe" St. 321; 3. 5. 1909; 1 spec.

Coastal waters: Mc'Cormick Bugt. — The bay E. of Tasiussaq Harbour, N. of Upernavik; 15 m; stones, algæ, mud; Fr. Johansen; 10. 8. 1932; 2 spec.

The fjords: Nordre Strømfjord: St. 10A; 44 miles from the mouth; 58—58 m; 6. 7. 1911; 1 spec.

Remarks: The species is found in the open sea as well as in coastal waters from Inglefield Land to off Kap Farvel, but it is scarce and scattered, and nowhere found in the deep sea region.

Distribution: Arctic, boreal; widely spread but common nowhere.

15. *Harmothoë mollis* (G. O. Sars) 1872.

(Chart 5).

West-Greenland records:

1950. *Harmothoë mollis* E. WESENBURG-LUND, p. 7.

Occurrence:

The open sea: 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 367; 19. 5. 1909; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec.

Remarks: Two finds in the northern part of Davisstrædet, west of the large off-shore banks, at depths of about 700 m.

Distribution: The Atlantic coast of Norway; off Ireland; the species is scarce everywhere.

16. *Harmothoë bathydomus* DITLEVSEN 1917.

(Chart 5).

West-Greenland records:

1917. *Harmothoë bathydomus* DITLEVSEN, p. 25.

Occurrence:

The open sea: 60°17' N. 54°05' W.; 3200 m; "Ingolf" St. 37; 29. 7. 1895; 1 spec.

Remarks: The species is hitherto only known from two localities, viz. from west of Greenland half the distance between Labrador and Kap Farvel, from where it was described and from south west of Ireland (E. WESENBURG-LUND, 1941 p. 31); both from the abyssal region.

17. *Harmothoë acanella* (VERRILL) 1883.

(Chart 5; a).

West-Greenland records:

1917. *Harmothoë acanella* DITLEVSEN, p. 27.

Occurrence:

The open sea: 66°49' N. 56°28' W.; Wandel; 1 spec. — 63°06' N. 56°00' W.; 2058 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

The fjords: Kvanefjord: St. 3; 210 m; 22. 6. 1912; clay with stones; 2 spec.

Remarks: The two finds in Davisstrædet are from deep waters.

Distribution: Arctic and boreal-arctic; everywhere scarce.

18. *Harmothoë aspera* (A. HANSEN) 1878.

(Chart 5).

West-Greenland records:

[1902. *Lagisca multisetosa* MOORE, p. 267.]

[1914. *Harmothoë multisetosa* DITLEVSEN, p. 682.]

1917. *Harmothoë multisetosa* DITLEVSEN, p. 35.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec.

Remarks: The species is described by MOORE from Mc'Cormick Bugt, but just as was the case with *Gattyana senta* and *G. ciliata* the label was misplaced and the specimens really originate from Alaska. DITLEVSEN (1917), however, found it in the "Ingolf" collections from Davisstrædet; therefore, the species in spite of MOORE's mistake should be listed together with the West-Greenland species.

Distribution: Mainly arctic.

19. *Harmothoë capitulifera* DITLEVSEN 1911.

(Chart 5).

West-Greenland records:

1914. *Harmothoë capitulifera* DITLEVSEN, p. 679.

1917. *Harmothoë capitulifera* DITLEVSEN, p. 8.

1950. *Harmothoë capitulifera* E. WESENBERG-LUND, p. 8.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec.

Remarks: Two single finds in the middle part of Davisstrædet; only one specimen from each locality.

Distribution: Only one further find from North-East Greenland, from where the species was established.

20. *Harmothoë villosa* (MALMGREN) 1865.

(Chart 6; III; C).

West-Greenland records:

1897. *Harmothoë villosa* VANHÖFFEN, p. 222.

1914. *Harmothoë villosa* DITLEVSEN, p. 681.

1937. *Harmothoë villosa* DITLEVSEN, p. 13.

1950. *Harmothoë villosa* E. WESENBERG-LUND, p. 8.

Occurrence:

The open sea: 76°37'4" N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 2 spec. — 74°12' N. 77°00' W., 680 m; "Godthaab" St. 131; 22. 8. 1928; 2 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 2 spec.

Coastal waters: Off Kangeq; Poul M. Hansen; 2. 7. 1938; 1 spec.

The fjords: Nordre Strømfjord: St. 29; the head of the western branch of the broad of Ugssuit; 16 m; sandy clay; 26. 7. 1911; 2 spec. — Bredefjord: St. 40; 170—190 m; shell-gravel with stones; 17. 7. 1912; 3 spec. — St. 45; 430—450 m; mud; 18. 7. 1912; 4 spec. — St. 49; 500 m. w.; algæ, stones; 19. 7. 1912; 2 spec. — St. 55; 330—310 m; clay with small stones; 20. 4. 1912; 1 spec. — St. 98; 520—560 m; fine clay, large stones; 4. 8. 1912; 3 spec. — St. 115; 500 m; stony clay; 9. 8. 1912; 1 spec. — St. 121; 700 m; clay; 25. 8. 1912; 1 spec.

Remarks: Distributed all along West-Greenland but scattered and sparse everywhere; in the deeper regions of the fjords, in Bredefjord especially in the outer parts, but there is a single find too at the head of the Sermilik; likewise a find in Nordre Strømfjord, far away from the mouth.

Distribution: Arctic and boreal.

[*Harmothoë truncata* MOORE 1902.

West-Greenland records:

1902. *Harmothoë (Eunoë) truncata* MOORE, p. 272.

1914. *Harmothoë truncata* DITLEVSEN, p. 680.

Remarks: The species was originally described from Mc'Cormick Bugt, but is one of the four of which MOORE later on (1905) says, that the label was misplaced; in reality it originates from Alaska, and as it was never refound since its establishment it should be obliterated from the synopsis of West-Greenland polychætes.]

21. *Harmothoë semisculpta* (HANSEN) 1882.

(Chart 5).

West-Greenland records:

1897. *Harmothoë semisculpta* VANHÖFFEN, p. 222.

1898. *Harmothoë semisculpta* MICHAELSEN, p. 121.

1914. *Harmothoë semisculpta* DITLEVSEN, p. 680.

Occurrence:

Coastal waters: Qarajaqs Isfjord.

Distribution: Only known from West-Greenland and Iceland.

22. *Lagisca extenuata* (GRUBE) 1840.

(Chart 6; III; C; c.).

West-Greenland records:

1865. *Lagisca rarispina* MALMGREN, p. 65.
 1875. *Lagisca rarispina* LÜTKEN, p. 168.
 1883. *Harmothoë rarispina* LEVINSEN, p. 289.
 1897. *Harmothoë rarispina* VANHÖFFEN, p. 222.
 1898. *Harmothoë rarispina* MICHAELSEN, p. 120.
 1902. *Lagisca rarispina* MOORE, p. 269.
 1914. *Harmothoë rarispina* DITLEVSEN, p. 678.
 1917. *Harmothoë rarispina* DITLEVSEN, p. 13.
 1937. *Harmothoë rarispina* DITLEVSEN, p. 11.
 1950. *Lagisca extenuata* E. WESENBERG-LUND, p. 8.
 1950. *Lagisca extenuata* VIBE p. 96.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114;
 16. 8. 1928; 1 spec. — 76°37'4 N. 74°18' W.; 580 m; "Godthaab" St. 112;
 16. 8. 1928; 10 spec. — 68°17' N. 58°14' W.; 410 m; "Godthaab" St. 160;
 12. 9. 1928, 3 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33;
 12. 7. 1895; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35;
 18. 7. 1895; 1 spec. — Fyllas Banke, off Godthaab; Bornemann; 1912;
 3 spec. — 64°01' N. 52°40' W., 83 m; Riis-Carstensen; 28. 7. 1926; 2 spec.

Coastal waters: Mc'Cormick Bugt. — Orlík Fjord. — Bays Fjord, Ellesmere Island; 12. 5. 1940; Chr. Vibe. — Børnelejr, Thule; 15—35 m; Chr. Vibe; 12. 5. 1940; 1 spec. — 76°36' N. 68°54' W.; 190—80 m; "Godthaab" St. 86; 7. 8. 1928; 1 spec. — The bay E. of Tasiussaq harbour, N. of Upernavik; 28 m; algæ, stones, mud; Fr. Johansen; 10. 8. 1931; 1 spec. — Qarajaqs Isfjord. — Disko, off Fortunebay; 200 m; "Tjalfe" St. 180; 10. 8. 1908; 1 spec. — 69°46' N. 51°22' W.; 475 m; "Tjalfe" St. 155; 27. 7. 1908; 2 spec. — Godhavn; on the beach; Kruise; 1. 7. 1898; 1 spec. — Jakobshavn; Traustedt; 1892; 1 spec. — Egedesminde; Traustedt; 1892; 5 spec. — Holsteinsborg; Traustedt; 1892; 5 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1928; 2 spec. — 62°58' N. 50°52' W.; 47 m; "Tjalfe" St. 465; 21. 6. 1909; 4 spec. — Julianehaab; between Laminaria; 10. 7. 1930; 1 spec. — 60°45' N. 47°10' W.; at Qagssimiut; 1,5 m; Fr. Johansen; 4. 11. 1931; 1 spec.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 2 spec. — St. 3 c; 17 miles from the mouth; 200—240 m; 25. 6. 1911; mud; 2 spec. — St. 26; the bay

at Itivdliarsuk; 33—50 m; stones; 24. 7. 1911; 2 spec. — St. 28; the bay at Itivdliarsuk; 20—36 m; clay with stones; 24. 7. 1911; 1 spec. — St. 32; 5 miles from Sarfarssuaq; 35—20 m; gravel; 22. 7. 1911; 2 spec. — The first camp; between the high and low water mark; 1 spec. — Kvanefjord St. 4; 20 m; algæ, stones; 22. 6. 1912; 3 spec. — St. 9; 22 m; algæ; 25. 6. 1912; 2 spec. — St. 13; 34 m; algæ with hydroids; 26. 6. 1912; 1 spec. — Bredefjord St. 35; 400 m. w.; 16. 7. 1912; 4 spec. — St. 36; 50 m; stones, shell-gravel; 16. 7. 1912; 4 spec. — St. 48; 500 m. w.; algæ and shells; 19. 7. 1912; 3 spec. — St. 55; 330—310 m; clay and a few stones; 20. 7. 1912; 1 spec. — St. 68; 60—95 m; stones; 24. 7. 1912; 1 spec. — St. 127; 10—15 m; gravel, a little clay; 26. 8. 1912; 1 spec. — Skovfjord; St. 145; 10—35 m; stones, Laminaria; 5. 9. 1912; 2 spec. — St. 152; 80—120 m; stones and barnacles; 13. 9. 1912; 3 spec. — St. 156; 70—140 m; stones with barnacles; 15. 9. 1912; 1 spec.

Remarks: The species is evenly distributed along the coast, especially common south of 70° N. Lat. and especially in coastal waters and on the off-shore banks. In Bredefjord and Kvanefjord it is only common in the outer parts, whereas it penetrates into the innermost branches of Nordre Strømfjord.

Distribution: Widely spread in the arctic area; circumpolar; mostly littoral, yet with a great adaptability as regards bathymetrical range as well as salinity.

23. *Lagisca hubrechtii* (Mc'INTOSH) 1900.

(Chart 6).

Occurrence:

The open sea: 72°34' N. 54°36' W.; 190 m. w.; "Godthaab" St. 61; 21. 7. 1928; 1 spec.

Remarks: The single pelagic find in the Baffins Bugt may be accidental; the species does not belong to the arctic fauna; the specimen may have drifted northwards with the current.

Distribution: Fairly common in the North Atlantic south and west of Iceland, round the Faroes and in the lusitanian area. Mainly bathypelagic.

[*Lepidonotus squamatus* (L.).

West-Greenland records:

1780. *Aphrodita punctata* FABRICIUS, p. 311.

1843. *Lepidonote punctata* ØRSTED, p. 168.

1865. *Lepidonotus squamatus* MALMGREN, p. 56.

1875. *Lepidonotus squamatus* LÜTKEN, p. 167.

?1897. *Lepidonotus squamatus* VANHÖFFEN, p. 222.

1914. *Lepidonotus squamatus* DITLEVSEN, p. 682.

Remarks: No specimens of this species were present in the large collections examined by me, a fact which confirms the supposition often set forth that the species does not at all occur in West-Greenland waters. The record in the older literature, that *Lepidonotus squamatus* is found in West-Greenland may be referred to FABRICIUS, who says that it is scarce in Greenland. None of the later authors, however, have refound it in Greenland collections, and it seems reasonable, therefore, to maintain that the species does not occur in Greenland waters; the original statement must be due to a mistake which for more than 150 year has been repeated in the literature. No doubt: *Lepidonotus squamatus* should be deleted from the synopsis of West-Greenland polychætes.]

24. *Macellicephala violacea* (LEVINSEN) 1887.

(Chart 6).

West-Greenland records:

1937. *Macellicephala violacea* DITLEVSEN, p. 15.

Occurrence:

Coastal waters: 70°51' N. 52°01' W.; 733 m; "Godthaab" St. 144; 5. 9. 1928; 1 spec.

Remarks: The species is rare everywhere. The single find north of Umanak and close to the shore is from rather deep waters.

Distribution: The Norwegian Sea and the Kara Sea.

25. *Nemidia torelli* MALMGREN 1865.

(Chart C).

West-Greenland records:

1917. *Enipo torelli* DITLEVSEN, p. 39.

Occurrence:

The fjords: Bredefjord: St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 127; 10—15 m; gravel, a little clay; 26. 8. 1912; 1 spec.

Remarks: Only two finds in the outer part of the Bredefjord, already published by DITLEVSEN.

Distribution: Spitsbergen.

26. *Melænis lovéni* MALMGREN 1865.

(Chart 6).

West-Greenland records:

1902. *Melænis lovéni* MOORE, p. 275.

1914. *Melænis lovéni* DITLEVSEN, p. 684.

1937. *Melænis lovéni* DITLEVSEN, p. 16.

Occurrence:

Coastal waters: Mc'Cormick Bugt. — 71°21' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; 1 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1928; 1 spec.

Remarks: The species seems to be rare, but has a rather wide distribution in West-Greenland seas.

Distribution: Widely distributed in the arctic, but nowhere common; occurring mainly in shallow waters.

Subfamily *Sigalioninæ* GRUBE.27. *Leanira tetragona* (ØRSTED) 1845.

(Chart 7).

West-Greenland records:

1883. *Leanira tetragona* LEVINSEN, p. 296.

1897. *Leanira tetragona* VANHÖFFEN, p. 222.

1917. *Leanira tetragona* DITLEVSEN, p. 47.

1950. *Leanira tetragona* E. WESENBURG-LUND, p. 9.

Occurrence:

The open sea: 64°05' N. 55°20' W.; 1100 m; "Tjalfe" St. 337; 8. 5. 1909; 1 spec.

Coastal waters: Qarajaq.

Remarks: The two finds, the one from the open deep-sea, the other from coastal waters, from widely separated localities, may indicate a widespread distribution in West-Greenland; yet it seems more likely that the finds are accidental and that the species is scarce in these areas, since it is nowhere common in arctic regions.

Distribution: Boreo-arctic; boreal; lusitanian.

28. *Sthenelais jeffreysi* Mc'INTOSH 1877.

(Chart 7).

West-Greenland records:

1917. *Sthenelais jeffreysi* DITLEVSEN, p. 48.

Occurrence:

The open sea: 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1904; 1 spec.

Remarks: The single find in the southern part of Davisstrædet is no doubt exceptional; the species does not belong to the arctic fauna.

Distribution: Atlantic; boreal.

29. *Pholoë minuta* (O. FABRICIUS) 1780.

(Chart 7; III; C.).

West-Greenland records:

1780. *Aphrodita minuta* FABRICIUS, p. 314.
 1780. *Aphrodita longa* FABRICIUS, p. 313.
 1843. *Pholoë minuta* ØRSTED, p. 169.
 1865. *Pholoë minuta* MALMGREN, p. 89.
 1875. *Pholoë minuta* LÜTKEN, p. 168.
 1877. *Pholoë minuta* Mc'INTOSH, p. 501.
 1883. *Pholoë minuta* LEVINSEN, p. 295.
 1897. *Pholoë minuta* VANHÖFFEN, p. 222.
 1897. *Pholoë tecta* VANHÖFFEN, p. 222.
 1898. *Pholoë minuta* MICHAELSEN, p. 122.
 1898. *Pholoë tecta* MICHAELSEN, p. 122.
 1902. *Pholoë minuta* MOORE, p. 274.
 1914. *Pholoë minuta* DITLEVSEN, p. 685.
 1914. *Pholoë tecta* DITLEVSEN, p. 685.
 1939. *Pholoë minuta* VIBE, p. 10, p. 1' p. 18.
 1950. *Pholoë minuta* E. WESENBERG-LUND, p. 9.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Coastal waters: The harbour on the W.-coast; of the Qutdl-korssuit island, about 74° N. Lat.; 10—20 m; mud Fr. Johansen; 20. 8. 1931; 4 spec. — The entrance to the harbour of Tasiussaq, N. of Upernavik; 20—30 m; Fr. Johansen; 13. 8. 1931; 2 spec. — Qaersøq, Upernavik, various localities; 10—34 m; sand; F. Salomonsen; 5. 7. 1936; about 15 specimens. — The harbour, Upernavik island; 24 m; Salomonsen; 17. 6. 1936; 1 spec. — Sigrid's Harbour, Upernavik island; 19 m; Salomonsen; sandy clay; 21. 7. 1936; 1 spec. — Prøven, the harbour; 8 m; sand; Salomonsen; 17. 7. 1936; 1 spec. — Umanak; Olrik; 1 spec. — Ritenbenk; Andersen; 1 spec. — Godhavn; Olrik; 8 spec. — Jakobshavn; Bergendal; 8 spec. — Christianshaab; Hartz; 1 spec. — Egedesminde; Traustedt; ∞ spec. — Ulkebugt, Holsteinsborg; mud; 4 spec. — Holsteinsborg; Traustedt; ∞ spec. — Between the inlet of Amerdloq and Ikertôq S. of Holsteinsborg; 30 m; Holm; 3. 8. 1886; 1 spec. — Sangmissoq at Sagdleq, Søndre Strømfjord; Poul M. Hansen; 8. 9. 1937; 6 spec. — Godthaab; Ryder; 1 spec. — Lillefjord, Godthaab; 10 m; Holm; 5. 7. 1886; 1 spec. — The harbour of Godthaab; 8—10 m; Holm; 28. 6. 1886; 2 spec. — Julianehaab; 30 m; Sørensen; 1901; 4 spec.

The fjords: Nordre Strømfjord; St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 4 spec. — St. 8; 15½ miles from the mouth; 12—29 m; sandy clay; Laminaria; 27. 6. 1911; 2 spec. —

Bredefjord: St. 48; 500 m; algæ, shells; 19. 7.; 1 spec. — St. 62; 10—15 m; mud, gravel; 22. 7.; 2 spec. — St. 123; 5—10 m; algæ, gravel; 25. 8.; 2 spec. — St. 127; 10—15 m; gravel, mud; 26. 8.; 7 spec. — Skovfjord: St. 136; the harbour of Narssaq; 6 m; black, putrid ooze with decaying algæ; 30. 8.; 1 spec.

Remarks: The species is very common along the West-Greenland coast, but does not surpass the 74° N. Lat. Although it may often be overlooked on account of its small size, this is surely not accidental, because close investigations of the coast from Kap York to Etah have been carried out during the last 20 years ("Godthaab" 1928; SALOMONSEN 1936; VIBE 1940—45) and the species has never been found in their collections.

Distribution: A typical littoral species with an exceptionally wide distribution in arctic, boreal and Atlantic areas.

Family Phyllodoceidæ GRUBE.

30. *Phyllodoce citrina* MALMGREN 1865.

(Chart 8).

West-Greenland records:

1865. *Phyllodoce citrina* MALMGREN, p. 95.
 1867. *Phyllodoce citrina* MALMGREN, p. 20.
 1875. *Phyllodoce citrina* LÜTKEN, p. 169.
 1897. *Phyllodoce citrina* VANHÖFFEN, p. 223.
 1902. *Phyllodoce citrina* MOORE, p. 274.
 1914. *Phyllodoce citrina* DITLEVSEN, p. 688.

Occurrence:

Coastal waters: Northumberland Ø, about 77°30' N. Lat. — Prøven. — Qarajaq. — Umanak. — Holsteinsborg; about 60 m; Holm; 15. 7. 1884; 1 spec. — Narssâraq.

Remarks: Scattered all over the coast, everywhere in the littoral zone.

Distribution: Mainly arctic.

31. *Phyllodoce groenlandica* (ØRSTED) 1843.

(Chart 8; IV; D.).

West-Greenland records:

1843. *Phyllodoce groenlandica* ØRSTED, p. 192.
 1865. *Phyllodoce groenlandica* MALMGREN, p. 96.
 1867. *Phyllodoce luetkeni* MALMGREN, p. 24.
 1875. *Phyllodoce groenlandica* LÜTKEN, p. 169.
 1875. *Phyllodoce lütkeni* LÜTKEN, p. 169.
 1877. *Phyllodoce groenlandica* Mc'INTOSH, p. 502.

1897. *Phyllodoce groenlandica* VANHÖFFEN, p. 223.
 1897. *Phyllodoce lütkeni* VANHÖFFEN, p. 223.
 1902. *Phyllodoce groenlandica* MOORE, p. 274.
 1914. *Phyllodoce groenlandica* DITLEVSEN, p. 687.
 1914. *Phyllodoce lütkeni* DITLEVSEN, p. 688.
 1917. *Phyllodoce groenlandica* DITLEVSEN, p. 56.
 1937. *Phyllodoce groenlandica* DITLEVSEN, p. 17.
 1950. *Phyllodoce groenlandica* VIBE p. 96.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 74°37' N. 62°55' W.; 275 m; "Godthaab" St. 72; 30. 7. 1928; 3 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 2 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895.

Coastal waters: Barden Bugt. — Uvdle, Thule; 20 m; 30. 7. 1939; Chr. Vibe; 1 spec. — Godhavn; 1 spec. — Qutdligssat, Disko; Hartz; 1890; 1 spec. — Ritenbenk; Andersen; 1 spec. — Jakobshavn; 20 m; clay; Bergendal 1890; 1 spec. — Krugitok, Jakobshavn; 1892; 1 spec. — Egedesminde; Sørensen; 1895; 1 spec. — Store Hellefiskebanke, W. S. W. of Rifkol; 35—8 m; Holm and others; about 10 spec. — Holsteinsborg; R. Müller; 1899; 1 spec. — Sukkertoppen; 10—35 m; Holm; 7. 8. 1886; 1 spec. — Godthaab; on the beach; Ryder; 1883; 1 spec. — Nanortalik; Eberlin; 1 spec. — Sigssarigsoq at Nanortalik; Bernburg; 1 spec. — Sydprøven; Ad. S. Jensen; 15. 5. 1920; 1 spec. — Frederiksdal at Narssaq; on the beach; low tide; Poul M. Hansen; 4. 9. 1929; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze, a few stones; 23. 6. 1911; 3 spec. — St. 3 a; 17 miles from the mouth; 325—330 m; ooze?; 25. 6. 1911; 3 spec. — St. 9 a; 37 miles from the mouth; 535—500 m; ooze; 6. 7. 1911; 3 spec. — St. 11 a; 53 miles from the mouth; 380 m; grey clay; 6. 7. 1911; 2 spec. — St. 11 b; 53 miles from the mouth; 67—56 m; coarse sand with stones; 6. 7. 1911; 5 spec. — St. 25; the broad of Ugssuit; 175—175 m; grey clay; 16. 7. 1911; 2 spec. — Tunugdliarfik (Eriksfjord); St. 142; 14—18 m; algæ, gravel; 2. 9. 1912; 1 spec.

Remarks: The greater part of the here mentioned localities are from the literature or refer to old collections. The species seems to be common in the littoral zone all along the coast, more seldom in the open sea and in deep waters. It is noteworthy, that it is fairly common in the narrow Nordre Strømfjord, where it is found in the deep parts. In Bredefjord the single find is close to the head of the southern branch, but in low water.

Phyllodoce luetkeni MLMGR. which was described from Godthaab, is, according to BERGSTRØM (1914, p. 141), identical with *P. groenlandica*.

Distribution: Widely distributed in the arctic (circumpolar), in boreal as well as in Atlantic areas. It has a great adaptability to changes of the salinity and bathymetrical conditions.

32. *Phyllodoce mucosa* ØRSTED 1843.

West-Greenland records:

1902. *Phyllodoce mucosa* MOORE, p. 274.
1914. *Phyllodoce mucosa* DITLEVSEN, p. 687.

Occurrence:

Coastal waters: Foulke Fjord.

Remarks: Only a single find from the high arctic Foulke Fjord, and as far as I can see the only find at all in arctic areas. The species is boreal and lusitanian, and therefore the find from Foulke Fjord should be treated with some scepticism.

33. *Phyllodoce maculata* (L.) 1767.

(Chart 8).

West-Greenland records:

1780. *Nereis maculata* FABRICIUS, p. 298.
1843. *Phyllodoce maculata* ØRSTED, p. 191.
1867. *Phyllodoce rinki* MALMGREN, p. 23.
1875. *Phyllodoce rinki* LÜTKENI, p. 169.
1883. *Phyllodoce maculata* LEVINSSEN, p. 296.
1889. *Phyllodoce maculata* HOLM, p. 159.
1897. *Phyllodoce maculata* VANHÖFFEN, p. 223.
1897. *Phyllodoce rinki* VANHÖFFEN, p. 223.
1914. *Phyllodoce maculata* DITLEVSEN, p. 687.
1914. *Phyllodoce rinki* DITLEVSEN, p. 688.

Occurrence:

Coastal waters: Upernavik harbour; 20 m; Holm; 19. 7. 1886; 1 spec. — Sarqaq, Vaigat; Traustedt; 1892; 2 spec. — Prøven harbour; 10—20 m; Holm; 21. 7. 1886; 1 spec. — Jakobshavn. — Store Hellefiskebanke; 14 miles W. S. W. of Rifkol; 40 m; sand with stones; Bornemann; 10. 7. 1912; 3 spec. — Store Hellefiskebanke; 35 m; Holm; 5. 8. 1886; 1 spec. — Holsteinsborg. — Sukkertoppen; 20 m; Holm; 12. 7. 1886; 1 spec. — Godthaab harbour; 4—10 m; Holm; 25. 6. 1886; 1 spec. — Narssaraq.

The fjords: Tunugdliarfik St. 142; 14—18 m; algæ, gravel; 2. 9. 1912; 1 spec.

Remarks: The species which can easily be confused with *Ph. groenlandica* seems to be much more scarce than the latter; hitherto it has not been found north of Upernavik.

Distribution: The occurrence in arctic areas presumably is accidental; the species is boreal and lusitanian, and everywhere a littoral form. *Ph. rinki* was described by MALMGREN (op. cit.) from South-West-Greenland; according to BERGSTRØM (1914 p. 145) this species is, however, synonymous with *Ph. maculata*.

In Greenlandic: Sengiak.

[*Phyllodoce incisa* ØRSTED 1843.

West-Greenland records:

1843. *Phyllodoce incisa* ØRSTED, p. 189.
 1867. *Phyllodoce incisa* MALMGREN, p. 24.
 1875. *Phyllodoce incisa* LÜTKEN, p. 169.
 1897. *Phyllodoce incisa* VANHÖFFEN, p. 223.
 1914. *Phyllodoce incisa* DITLEVSEN, p. 686.

Remarks: The species is only known from Godthaab from where it was insufficiently described; ØRSTED had only one badly preserved specimen at his disposal. Already MALMGREN (op. cit.) regards the species as doubtful: "species non satis cognita".]

34. *Eulalia viridis* (O. FR. MÜLLER) 1776.
 (Chart 9).

West-Greenland records:

1780. *Nereis viridis* FABRICIUS, p. 297.
 1843. *Eulalia viridis* ØRSTED, p. 188.
 1867. *Eulalia viridis* MALMGREN, p. 25.
 1875. *Eulalia viridis* LÜTKEN, p. 169.
 1877. *Eulalia viridis* Mc'INTOSH, p. 502.
 1883. *Eulalia viridis* LEVINSEN, p. 296.
 1889. *Eulalia viridis* HOLM, p. 156, p. 159.
 1897. *Eulalia viridis* VANHÖFFEN, p. 223.
 1914. *Eulalia viridis* DITLEVSEN, p. 686.
 1937. *Eulalia viridis* DITLEVSEN, p. 18.

Occurrence:

Coastal waters: Godhavn; Olrik; 10 spec. — Ritenbenk; Andersen; 4 spec. — Egedesminde; Traustedt; 1902; 1 spec. — Store Hellefiskebanke; 8—50 m; Holm; 1886; 10 spec. — The skerries at Holsteinsborg, 66°55' N.; 35 m; "Godthaab" St. 33 a; 2. 7. 1928; 1 spec. — Holsteinsborg harbour; 40 m; Holm; 1886; 2 spec. — Sukkertoppen; 10—40 m; Holm; 1886; 4 spec. — Godthaab harbour; 4—30 m; Holm; 1886; 5 spec.

Remarks: The species only occurs in the littoral zone and has not been found north of 70° N. Lat. and south of 64° N. Lat. ØRSTED writes that it is common all along the west coast of Greenland. I am inclined to think, that this is not quite correct.

Distribution: Widely distributed in arctic waters, and especially common in boreal regions. Mostly from shallow waters and from the shelf.

In Greenlandic: Sengiorak.

35. *Eulalia bileneata* JOHNSTON 1840.

(Chart 9).

West-Greenland records:

1865. *Eulalia problema* MALMGREN, p. 99.
 1867. *Eulalia problema* MALMGREN, p. 25.
 1875. *Eulalia problema* LÜTKEN, p. 169.
 1877. *Eulalia problema* Mc'INTOSH, p. 502.
 1883. *Eulalia problema* LEVINSEN, p. 296.
 1897. *Eulalia problema* VANHÖFFEN, p. 223.
 1914. *Eulalia problema* DITLEVSEN, p. 686.
 1917. *Eulalia minuta* DITLEVSEN, p. 56.

Occurrence:

Coastal waters: Prøven; Olrik; 1 spec. — Ritenbenk; Andersen; 1 spec. — 66°59' N. 55°27' W.; "Valorous". — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 8 spec. — Godthaab; Ryder; 1883; 1 spec. — Fyllas Banke; 50 m; Hagerup; 10. 7. 1925; 1 spec.

Remarks: The species is scarce and not found north of 73° N. Lat. The "Ingolf" specimens (St. 29) which DITLEVSEN described as *E. minuta* are most likely a juvenile form of the present species, and *E. problema* MLMGR. is the epitokous form of *E. bileneata*.

Distribution: Only sporadically distributed in the arctic. Boreal; lusitanian.

36. *Eulalia tripunctata* Mc'INTOSH 1874.

(Chart 9).

West-Greenland records:

1917. *Eulalia tripunctata* DITLEVSEN, p. 54.

Occurrence:

The open sea: 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 2 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 1 spec.

Remarks: Only these two finds from West-Greenland. According

to BERGSTRÖM (1914 p. 166) the species may be identic with *E. bilineata* JOHNST.

Distribution: Lusitanian.

37. *Eulalia tjalfiensis* DITLEVSEN 1917.

(Chart 9).

West-Greenland records:

1917. *Eulalia tjalfiensis* DITLEVSEN, p. 54.

Occurrence:

Coastal waters: 62°58' N. 50°52' W.; 50 m; "Tjalfe" St. 465; 21. 6. 1909; 1 spec.

Remarks: The species has not been found since its establishment.

38. *Mystides occidentalis* DITLEVSEN 1917.

West-Greenland records:

1917. *Mystides occidentalis* DITLEVSEN, p. 62.

1950. *Mystides occidentalis* E. WESENBERG-LUND, p. 11.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec.

Remarks: The species has not been refound since its establishment; the above mentioned locality is on the south-western part of Store Hellefiskebanke.

39. *Mystides borealis* THÉEL 1879.

(Chart D).

Occurrence:

The fjords: Skovfjord: St. 156; 70—140 m; stones with barnacles; 15. 9. 1912; 1 spec.

Remarks: The species was not hitherto known from Greenland; the present locality is close to the mouth of Skovfjord.

Distribution: Spitsbergen.

40. *Pelagobia longicirrata* GREEFF 1879.

(Chart 9).

West-Greenland records:

1897. *Pelagobia longicirrata* VANHÖFFEN, p. 223.

1914. *Pelagobia longicirrata* DITLEVSEN, p. 690.

Occurrence:

Coastal waters: Qarajaqs Isfjord.

Distribution: Atlantic; lusitanian.

41. *Eteone longa* (O. FABRICIUS) 1780.

(Chart 10; D).

West-Greenland records:

1780. *Nereis longa* FABRICIUS, p. 300.
 1843. *Eteone longa* ØRSTED, p. 185.
 1843. *Eteone cylindrica* ØRSTED, p. 187.
 1867. *Eteone cylindrica* MALMGREN, p. 29.
 1867. *Eteone longa* MALMGREN, p. 27.
 1875. *Eteone cylindrica* LÜTKEN, p. 169.
 1875. *Eteone longa* LÜTKEN, p. 169.
 1877. *Eteone arctica* MC'INTOSH, p. 502.
 1883. *Eteone arctica* LEVINSEN, p. 297.
 1883. *Eteone longa* LEVINSEN, p. 297.
 1883. *Eteone cylindrica* LEVINSEN, p. 297.
 1897. *Eteone cylindrica* VANHÖFFEN, p. 223.
 1897. *Eteone longa* VANHÖFFEN, p. 223.
 1897. *Eteone arctica* VANHÖFFEN, p. 223.
 1914. *Eteone arctica* DITLEVSEN, p. 689.
 1914. *Eteone longa* DITLEVSEN, p. 689.
 1914. *Eteone cylindrica* DITLEVSEN, p. 690.
 1917. *Eteone longa* DITLEVSEN, p. 63.
 1937. *Eteone longa* DITLEVSEN, p. 18.
 1940. *Eteone longa* MADSEN, p. 10.
 1950. *Eteone longa* E. WESENBERG-LUND, p. 11.

Occurrence:

The open sea: 72°30' N. 59°02' W.; 245 m; "Godthaab" St. 60; 13. 7. 1928; 1 spec.

Coastal waters: Qaersog, Upernavik; 34 m; F. Salomonsen; 5. 7. 1936; 1 spec. — Upernavik harbour; 8 $\frac{1}{2}$ —19 m; F. Salomonsen; 16. 6. 1936; 3 spec. — Prøven. — Umanak; S. Hansen; 2 spec. — Qarajaqs Isfjord. — Sarqag, Vaigat; Traustedt; 1892; 1 spec. — Ritenbenk; Traustedt; 1892; 1 spec. — Disko Bugt; 6—45 m; Holm; 27. 8. 1896; 2 spec. — Smallesund. — Godhavn; Olrik; 8 spec. — 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 2 spec. — Jakobs-havn; Traustedt; 1892; 1 spec. — 69°17' N. 52°50' W.; 450 m; clay; "Tjalfe" St. 118; 15. 7. 1908; ∞ spec. — Egedesminde; Bergendal; 1890; 1 spec. — Holsteinsborg; Traustedt; 1892; ∞ spec. — Ulkebugt; mud; ∞ spec. — 66°59' N. 54°27' W.; 120 m. — 64°02' N. 52°40' W.; 80 m; Riis-Carstensen; 27. 7. 1926; 6 spec. — 64°01' N. 52°40' W.; 67 m; Riis-Carstensen; 28. 7. 1926; 1 spec. — Godthaab; Ørsted. — Godthaab harbour; 6—28 m; Holm; 1886; 10 spec. — Julianehaab

harbour; 8—10 m; Stephensen; 24. 8. 1912; 1 spec. — Narssâraq. — Kapisigdlit; Fr. Johansen; 16. 10. 1931; 1 spec. — Nanortalik; Fr. Johansen; 29. 10. 1931; 1 spec.

The fjords: Bredefjord: St. 32; 37—35 m; stones with algæ; 16. 7. 1912; 5 spec. — St. 93; 10 m; black, foul mud; 2. 8. 1912; 4 spec. — St. 123; 5—10 m; algæ and gravel; 25. 8. 1912; 1 spec. — Tunugdliarfik: St. 142; 14—18 m; algæ, gravel; 2. 9. 1912; 1 spec.

Remarks: The species is one of the most common polychætes in the littoral zone and on the shelf; in some localities, e. g. in the surroundings of Holsteinsborg even abundant. Hitherto it has not been found north of 73° N. Lat.

Distribution: A pronounced arctic species; circumpolar.
In Greenlandic: Sengiak.

42. *Eteone flava* (O. FABRICIUS) 1780.

(Chart 10; IV).

West-Greenland records:

- 1780. *Nereis flava* FABRICIUS, p. 299.
- 1843. *Eteone flava* ØRSTED, p. 186.
- 1865. *Eteone flava* MALMGREN, p. 102.
- 1865. *Eteone depressa* MALMGREN, p. 103.
- 1867. *Eteone sarsi* MALMGREN, p. 28.
- 1867. *Eteone flava* MALMGREN, p. 29.
- 1875. *Eteone flava* LÜTKEN, p. 169.
- 1877. *Eteone flava* Mc'INTOSH, p. 502.
- 1883. *Eteone flava* LEVINSEN, p. 297.
- 1897. *Eteone flava* VANHÖFFEN, p. 223.
- 1897. *Eteone sarsi* VANHÖFFEN, p. 223.
- 1897. *Eteone depressa* VANHÖFFEN, p. 223.
- 1914. *Eteone flava* DITLEVSEN, p. 688.
- 1914. *Eteone sarsi* DITLEVSEN, p. 689.
- 1914. *Eteone depressa* DITLEVSEN, p. 690.
- 1917. *Eteone flava* DITLEVSEN, p. 65.
- 1937. *Eteone flava* DITLEVSEN, p. 17.

Occurrence:

Coastal waters: 76°24'8 N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 4 spec. — Upernavik. — Prøven; 1 spec. — Qarajaqs Isfjord. — Lille Qarajaq Fjord. — Godhavn; Olrik; 4 spec. — Egedesminde; Bergendal; 1890; 2 spec. — Holsteinsborg; 1 spec. — Godthaab; Holbøll; 4 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze, with a few stones or rocks; 23. 6. 1911; 2 spec. —

St. 19; the bay at Sánerut; 40—20 m; grey clay with stones; 12. 7. 1911; 1 spec.

Remarks: The occurrence in West-Greenland of *Eteone flava* differs considerably from that of *E. longa*; it penetrates much farther northwards (Kap York) and is not found in South-Greenland, where *E. longa* is frequently met with. In the middle part of the coast (i. e. from Upernavik to Godthaab) both species are common.

Distribution: Arctic and circumpolar; boreal.

In Greenlandic: Sengiarek.

[*Nereis coerulea* FABRICIUS 1780.

West-Greenland records:

1780. *Nereis coerulea* FABRICIUS, p. 298.

1875. *Nereis coerulea* LÜTKEN, p. 189.

Occurrence:

Only labelled Greenland.

Remarks: The species may be a Phyllodocid, but it is so insufficiently described, that it cannot be identified.]

Family Amphinomidæ SAVIGNY.

43. *Euphrosyne borealis* ØRSTED 1843.

(Chart 10).

West-Greenland records:

1843. *Euphrosyne borealis* ØRSTED, p. 170.

1867. *Euphrosyne borealis* MALMGREN, p. 1.

1875. *Euphrosyne borealis* LÜTKEN, p. 167.

1877. *Euphrosyne borealis* Mc'INTOSH, p. 500.

1883. *Euphrosyne borealis* LEVINSSEN, p. 305.

1897. *Euphrosyne borealis* VANHÖFFEN, p. 224.

1914. *Euphrosyne borealis* DITLEVSEN, p. 710.

1937. *Euphrosyne borealis* DITLEVSEN, p. 16.

1950. *Euphrosyne borealis* E. WESEBERG-LUND, p. 11.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 69°30' N. 56°32' W.; 25 m; "Dana" St. 2363; 27. 6. 1925; 3 spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 367; 19. 5. 1909; 1 spec.

Coastal waters: Upernavik; Ryder; 1887; 1 spec. — Prøven. — Umanak. — Spraglebugt at Umanak; "Godthaab", St. vac.; 1928; 1 spec. — 70°30' N. 54°41' W.; "Valorous". — Disko, off Hareøen;

“Valorous”. — Egedesminde; Levinsen; 1 spec. — $65^{\circ}34' N. 54^{\circ}31' W.$; 128 m; “Ingolf” St. 29; 5. 7. 1895; 2 spec. — Godthaab; Ørsted.

Remarks: The species was originally described from Godthaab. —It is strange, but probably not accidental, that this arctic species has been taken only once north of the $75^{\circ} N.$ Lat. there is not a single find along the well explored coastal tract from Etah to Kap York. It is less peculiar that it does not occur in the southern part of Davisstrædet or in the coastal waters south of Godthaab. It does not enter the fjords. In West-Greenland it seems to belong to the fauna of the shelf or shallow waters.

Distribution: The species is widely distributed in arctic waters at fairly small depths; in the boreo-arctic and North Atlantic areas it is abyssal; lusitanian.

44. *Euphrosyne cirrata* M. Sars 1861.

(Chart 10).

West-Greenland records:

1950. *Euphrosyne cirrata* E. WESENBERG-LUND, p. 11.

Occurrence:

The open sea: $66^{\circ}35' N. 56^{\circ}38' W.$; 599 m; “Ingolf” St. 32; 11. 7. 1895; 1 spec. — $64^{\circ}54' N. 55^{\circ}10' W.$; 740 m; “Ingolf” St. 27; 1. 7. 1895; 1 spec. — $63^{\circ}24' N. 55^{\circ}10' W.$; 892 m; “Tjalfe” St. 431; 9. 6. 1909; 1 spec.

Remarks: Originally described from the west coast of Norway; in the Greenland waters the species is a deep sea form.

Distribution: West coast of Norway; Atlantic.

45. *Spinther citrinus* (STIMPSSON) 1854.

(Chart 10).

West-Greenland records:

1950. *Spinther citrinus* E. WESENBERG-LUND, p. 12.

Occurrence:

The open sea: $66^{\circ}35' N. 56^{\circ}38' W.$; 599 m; “Ingolf” St. 32; 11. 7. 1895; 2 spec.

Distribution: Boreo-arctic; boreal; lusitanian.

Family **Tomopteridæ** GRUBE.

46. *Tomopteris nisseni* ROSA 1908.
(Chart 11).

West-Greenland records:

1935. *Tomopteris nisseni*. E. WESENBURG-LUND, p. 6.

Occurrence:

66°12' N. 52°15' W.; Olrik; 4 spec. — 63°30' N. 54°25' W.; "Ingolf"
St. 25; 26. 6. 1895; 1 spec.

Remarks: The two mentioned localities represent the northernmost limit of the species.

Distribution: In the Atlantic area in or near the various branches of the Gulf Stream.

47. *Tomopteris cavallii* ROSA 1907.
(Chart 11).

West-Greenland records:

1935. *Tomopteris cavallii* E. WESENBURG-LUND, p. 9.

Occurrence:

The open sea: 63°30' N. 54°25' W.; "Ingolf" St. 25; 26. 6. 1895;
1 spec.

Remarks: It holds good for this species as for the preceding one, that the locality in Davisstrædet is the northernmost locality hitherto known. The species may, however, easily be overlooked on account of its small size.

Distribution: Boreal and lusitanian.

48. *Tomopteris krampi* E. WESENBURG-LUND 1936.
(Chart 11).

West-Greenland records:

1936. *Tomopteris krampi* E. WESENBURG-LUND, p. 8.

Occurrence:

The open sea: 62°19' N. 56°00' W.; "Ingolf" St. 24; 14. 6. 1928;
1 spec.

Remarks: The species is bathypelagic and the recent paper by STØP-BOWITZ (1948) shows that the find in the southern part of Davisstrædet is the most northern habitat hitherto known.

Distribution: Boreal, lusitanian.

49. *Tomopteris septentrionalis* QUATREFAGES 1865.
(Chart 11).

West-Greenland records:

1900. *Tomopteris septentrionalis* APSTEIN, p. XII.
1922. *Tomopteris septentrionalis* MALAQUIN & CARIN, p. 297
1926. *Tomopteris septentrionalis* E. WESENBERG-LUND, p. 137.
1935. *Tomopteris septentrionalis* E. WESENBERG-LUND, p. 5.
1936. *Tomopteris septentrionalis* E. WESENBERG-LUND, p. 4.
1950. *Tomopteris septentrionalis* E. WESENBERG-LUND, p. 12.

Occurrence:

The open sea: 75°26' N. 62°26' W.; 800 m. w.; "Godthaab" St. 77; 31. 7. 1928. — 74°20' N. 75°56' W.; 650 m. w.; "Godthaab" St. 132; 22. 8. 1928. — 69°50' N. 61°36' W.; 3000 m. w.; "Godthaab" St. 54; 14. 7. 1928. — 66°12' N. 52°15' W.; Olrik; 1864. — 64°54' N. 55°10' W.; "Ingolf" St. 27; 1. 7. 1895. — 64°00' N. 52°41' W.; 45 m. w.; "Godthaab" St. 31; 18. 6. 1928. — 63°12' N. 51°20' W.; 80—100 m. w.; "Tjalfe" St. 243 and 244; 4. 8. 1908; ∞ spec. — 63°06' N. 56°00' W.; "Ingolf" St. 24; 25. 6. 1895. — 63°04' N. 56°32' W.; 500 m. w.; "Tjalfe" St. 30 a; 7. 6. 1908; 20 spec. — The harbour at Ravn's Storø; 62°42' N.; 50 m. w.; "Godthaab" St. 29 a, b; 16. 6. 1928. — 62°37' N. 51°40' W.; 100 m. w.; "Godthaab" St. 27; 16. 6. 1928. — 62°33' N. 52°33' W.; 100 m. w.; "Godthaab" St. 26; 15. 6. 1928. — 62°19' N. 56°00' W.; 2500 m. w.; "Godthaab" St. 24; 14. 6. 1928. — 62°02' N. 51°35' W.; 100 m. w.; "Dana" 10 spec. — 61°47' N. 52°55' W.; 1900 m. w.; "Dana"; ∞ spec. — 61°39' N. 62°08' W.; 600 m. w.; "Godthaab" St. 20; 12. 6. 1928. — 61°28' N. 63°44' W.; 400 m. w.; "Godthaab" St. 18; 11. 6. 1928. — 60°17' N. 54°05' W.; "Ingolf" St. 37; 29. 7. 1895.

Remarks: The species is the single genuine pelagic polychæte which is common in West-Greenland waters, distributed from 75° N. Lat. to Kap Farvel. It is an oceanic species, most frequently living over great depths.

Distribution: The most common Tomopterid all over the northern part of the Atlantic Ocean.

50. *Tomopteris planktonis* APSTEIN 1900.
(Chart 11).

West-Greenland records:

1900. *Tomopteris planktonis* APSTEIN, p. 49.
1926. *Tomopteris planktonis* E. WESENBERG-LUND, p. 138.

Occurrence:

Coastal waters: The Qarajaqs Isfjord.

Remarks: A single specimen taken by VANHÖFFEN in the Qarajaqs

Isfjord (fide APSTEIN) 27. 5. 1893; 70° N. Lat.; the fjord was covered with ice.

Distribution: Widely distributed in the middle part of the Atlantic Ocean, most frequently over great depths.

Family **Typhloscolecidae** ULJANIN.

51. *Travisiopsis lanceolata* SOUTHERN 1910. (Chart 11).

West-Greenland records:

1950. *Travisiopsis lanceolata* E. WESEBERG-LUND, p. 13.

Occurrence:

The open sea: 60°07' N. 48°26' W.; 2000 m. w.; "Tjalfe" St. 322; 3. 5. 1909; 1 spec.

Remarks: The single specimen has been taken in the south-eastern part of Davisstrædet, and it is doubtful whether it really belongs to the West-Greenland fauna; the find is most probably accidental.

Distribution: Mostly lusitanian and Atlantic.

52. *Travisiopsis levinseni* SOUTHERN 1910.

West-Greenland records:

1935. *Travisiopsis levinseni* E. WESEBERG-LUND, p. 14.

1950. *Travisiopsis levinseni* E. WESEBERG-LUND, p. 13.

Occurrence:

The open sea: 64°01' N. 55°30' W.; 1500 m. w.; "Tjalfe" St. 338; 8. 5. 1909; 2 spec. — 63°18' N. 54°55' W.; 1300 m. w.; "Tjalfe" St. 333; 7. 5. 1909; 5 spec.

Remarks: The species is to be regarded as belonging to the West-Greenland fauna in contrast to the preceding species.

Distribution: Atlantic and lusitanian, but more northern than *T. lanceolata*. The finds published here seem to be the northernmost catches.

Family **Hesionidae** GRUBE.

53. *Castalia aphroditoides* (FABRICIUS) 1780. (Chart 12; E.).

West-Greenland records:

1780. *Nereis aphroditoides* FABRICIUS, p. 296.

1867. *Castalia fabricii* MALMGREN, p. 32.

1875. *Castalia aphroditoides* LÜTKEN, p. 170.
 1883. *Castalia fabricii* LEVINSEN, p. 301.
 1897. *Castalia aphroditoides* VANHÖFFEN, p. 223.
 1898. *Castalia aphroditoides* MICHAELSEN, p. 126.
 1914. *Castalia fabricii* DITLEVSEN, p. 698.
 1937. *Castalia fabricii* DITLEVSEN, p. 22.

Occurrence:

Coastal waters: Rice Strait. — Ellesmereland. — Umanak. — Qarajaqs Isfjord. — Godhavn; Olrik; 2 spec. — Egedesminde; LevinSEN; 7 spec. — Holsteinsborg; Traustedt; 1 spec. — Sukkertoppen. — Sermilik Fjord; very shallow water. — Julianehaab. — Sangmissoq at Sârdloq; Poul M. Hansen; 8. 9. 1937; 1 spec.

The fjords: Bredefjord: St. 93; 10 m; black, foul mud with decaying algæ; 2. 8. 1912; 4 spec. — St. 127; 10—15 m; gravel, a little clay; 26. 8. 1912; 1 spec. — Skovfjord: St. 142; 14—18 m; algæ, gravel; 2. 9. 1912; about 20 spec. — St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 1 spec.

Remarks: The species is widely distributed along the coast from the farthest north to Kap Farvel, everywhere in shallow waters, even on the shore among the seaweed. It furthermore extends rather far into the open Bredefjord. Almost all the specimens examined by me were broken or imperfect.

Distribution: Originally described from West-Greenland; arctic and boreal.

In Greenlandic: Sengiarak.

[*Castalia rosea* (FABRICIUS) 1780.

West-Greenland records:

1780. *Nereis rosea* FABRICIUS, p. 301.
 1867. *Castalia rosea* MALMGREN, p. 32.
 1875. *Castalia rosea* LÜTKEN, p. 170.

Remarks: FABRICIUS's species is most probably a Hesionid, but not identified.]

In Greenlandic: Sengiarak.

Family Syllidæ GRUBE.

Subfamily Syllinæ.

54. *Ancistrosyllis groenlandica* MC'INTOSH 1877.
 (Chart 12).

West-Greenland records:

1877. *Ancistrosyllis groenlandica* MC'INTOSH, p. 502.
 1883. *Ancistrosyllis groenlandica* LEVINSEN, p. 301.

1897. *Ancistrosyllis groenlandica* VANHÖFFEN, p. 223.

1914. *Ancistrosyllis groenlandica* DITLEVSEN, p. 699.

Occurrence:

The open sea: 64°05' N. 56°47' W.; 410 fathoms.

Remarks: Hitherto not refound since the establishment based on a single specimen from the middle part of Davisstrædet, and dredged by the "Valorous".

55. *Syllis armillaris* (O. F. MÜLLER) 1776.

(Chart 12; E.).

West-Greenland records:

1947. *Syllis armillaris* E. WESENBURG-LUND, p. 5.

1950. *Syllis armillaris* E. WESENBURG-LUND, p. 15.

Occurrence:

The open sea: 63°59' N. 53°03' W.; Fyllas Banke; 119 m; Riis-Carstensen; 28. 7. 1926; 3 spec.

Coastal waters: Off the harbour of Sukkertoppen; "Tjalfe" St. 358; 14. 5. 1909; the surface; 2 spec.

The fjords: Skovfjord: St. 152; 80—120 m; stones with barnacles; 3. 9. 1912; 1 spec.

Remarks: The species does not seem to enter Baffins Bugt; it is restricted to coastal waters or to the off-shore banks; may occur inside the fjords.

Distribution: Widely distributed in the arctic and most probably much more common in West-Greenland than may be presumed by the few hitherto known finds; perhaps previously overlooked or confounded with other small and similar *Syllis*-species.

56. *Syllis cornuta* RATHKE 1843.

(Chart 12; V; E; d.).

West-Greenland records:

1780. *Nereis armillaris* FABRICIUS, p. 294.

?1843. *Joida* sp. ØRSTED, p. 182.

1867. *Syllis fabricii* MALMGREN, p. 44.

1867. *Chaetosyllis oerstedii* MALMGREN, p. 45.

1875. *Syllis fabricii* LÜTKEN, p. 170.

1883. *Syllis oerstedii* LEVINSEN, p. 302.

1883. *Syllis fabricii* LEVINSEN, p. 302.

1897. *Syllis fabricii* VANHÖFFEN, p. 223.

1897. *Syllis oerstedii* VANHÖFFEN, p. 223.

1914. *Syllis fabricii* DITLEVSEN, p. 699.

1914. *Syllis oerstedii* DITLEVSEN, p. 700.

1947. *Syllis cornuta* E. WESENBERG-LUND, p. 6.

1950. *Syllis cornuta* E. WESENBERG-LUND, p. 15.

Occurrence:

The open sea: 68°28' N. 54°47' W.; about 200 m; "Tjalfe" St. 119; 18. 8. 1908; 1 spec. — 66°49' N. 56°28' W.; about 450 m; Wandel; 1889; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 1 spec. — 65°34' N. 54°13' W.; 128 m; "Ingolf"*St. 29; 5. 7. 1895; 10 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 20 spec. — 65°14' N. 55°47' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 4 spec. — 64°55' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 4 spec. — 64°01' N. 52°40' W.; 83 m; Riis-Carstensen; 28. 7. 1926; 1 spec.

Coastal waters: Upernavik harbour; about 10 m; Holm; 19. 7. 1886; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; 23. 4. 1911; 10 spec. — Kvanefjord: St. 2; 17—18 m; 21. 6. 1912; 1 spec. — Bredefjord: St. 36; 29—100 m; shell-gravel; stones; 12. 8. 1912; 2 spec. — St. 55; 310—330 m; 20. 7. 1912; 2 spec. — Skovfjord: St. 156; 70—140 m; stones; 15. 9. 1912; 1 spec.

Remarks: The species seems to be fairly common in Davisstrædet mostly on or near the three large off-shore banks from 68½° N. to about 63° N. Lat.

Distribution: Widely distributed in arctic and boreal regions, from Davisstrædet in the west to the Kara Sea in the east; lusitanian and Atlantic.

In Greenlandic: Sengiarak.

57. *Syllis fasciata* MALMGREN 1867.

(Chart 12; V; E.).

West-Greenland records:

1780. *Nereis incisa* FABRICIUS, p. 295.
 1867. *Syllis incisa* MALMGREN, p. 44.
 1875. *Syllis incisa* LÜTKEN, p. 170.
 1883. *Syllis incisa* LEVINSEN, p. 301.
 1883. *Syllis fasciata* LEVINSEN, p. 302.
 1897. *Syllis incisa* VANHÖFFEN, p. 223.
 1897. *Syllis fasciata* VANHÖFFEN, p. 223.
 1914. *Syllis fasciata* DITLEVSEN, p. 699.
 1937. *Syllis fasciata* DITLEVSEN, p. 22.
 1947. *Syllis fasciata* E. WESENBERG-LUND, p. 10.
 1950. *Syllis fasciata* E. WESENBERG-LUND, p. 16.

Occurrence:

The open sea: 74°37' N. 62°51' W.; 275 m; "Godthaab" St. 72; 30. 7. 1928; 2 spec. — 66°51' N. 57°40' W.; 680 m; "Godthaab" St. 39;

3. 7. 1928; 3 spec. — 65°16' N. 55°05' W.; 582 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec.

Coastal waters: Prøven. — Godhavn; Orlík; 3 spec. — Godthaab.

The fjords: Nordre Strømfjord: St. 9 B; 37 miles from the mouth; 44—46 m; 6. 7. 1911; 2 spec. — St. 3 A; 17 miles from the mouth; 325—330 m; ooze?; 25. 6. 1911; 2 spec. — Bredefjord: St. 66; 9—11 m; algæ; 23. 7. 1912; 2 spec.

Distribution: Widely distributed in the arctic; circumpolar; the most arctic of the three species mentioned here of *Syllis*; it does not seem to go farther south than to the Faroes.

In Greenlandic: Sengiák.

58. *Eusyllis blomstrandii* MALMGREN 1867.

(Chart 12; V.).

West-Greenland records:

1914. *Syllis monilicornis* DITLEVSEN, p. 700.

1947. *Eusyllis blomstrandii* E. WESENBERG-LUND, p. 11.

1950. *Eusyllis blomstrandii* E. WESENBERG-LUND, p. 16.

Occurrence:

The open sea: 66°31' N. 56°50' W.; 680 m; 800 m. w.; "Tjalfe" St. 363; 18. 5. 1909; 1 spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec.

Coastal waters: Godhavn; 1 spec.

The fjords: Nordre Strømfjord: St. 3 B; 17 miles from the mouth; 14—38 m; 25. 6. 1911; 1 spec.

Remarks: The species seems to occur mainly on the large off-shore banks; DITLEVSEN (1911) found the species in the "Fram" material north of eastern North America; it is therefore quite natural, that it occurs in the waters west of Greenland.

Distribution: Mostly arctic and boreal; yet reported from the Channel and the Mediterranean too.

59. *Sphærosyllis latipalpis* LEVINSEN 1883.

(Chart 12).

West-Greenland records:

1947. *Sphærosyllis latipalpis* E. WESENBERG-LUND, p. 13.

1950. *Sphærosyllis latipalpis* E. WESENBERG-LUND, p. 16.

Occurrence:

The open sea: 63°56' N. 52°41' W.; the surface; "Dana" St. 2314; 8. 6. 1925; 1 spec.

Distribution: Only very little is known of the distribution of this tiny species, probably often overlooked and farther distributed in the arctic than hitherto known; AUGENER (1928 p. 722) reports it from Spitsbergen.

Subfamily **Exogoninæ**.

60. *Exogone verrugera* CLAPARÈDE 1868.

(Chart 13).

West-Greenland records

1947. *Exogone verrugera* E. WESENBERG-LUND, p. 14.

1950. *Exogone verrugera* E. WESENBERG-LUND, p. 16.

Occurrence:

The open sea: 64°45' N. 52°52' W.; the surface; "Dana" St. 2334; 19. 6. 1925; 1 spec. — 63°46' N. 52°41' W.; the surface; "Dana" St. 2314; 8. 6. 1925; 4 spec.

Remarks: All five specimens originate from pelagic catches over the large off-shore banks.

Distribution: Boreal, Atlantic; the Mediterranean.

61. *Exogone hebes* WEBSTER & BENEDICT 1884.

(Chart 13).

West-Greenland records:

1947. *Exogone hebes* E. WESENBERG-LUND, p. 16.

1950. *Exogone hebes* E. WESENBERG-LUND, p. 17.

Occurrence:

The open sea: 65°27' N. 53°48' W.; Lundbeck; 6. 6. 1890; 1 spec.

Distribution: Lusitanian; east coast of N. America (Maine; Mass.).

62. *Exogone* sp.

(Chart 13).

West-Greenland records:

1947. *Exogone* sp. E. WESENBERG-LUND, p. 18.

1950. *Exogone* sp. E. WESENBERG-LUND, p. 17.

Occurrence:

The open sea: 63°56' N. 52°41' W.; the surface; "Dana" St. 2314; 8. 6. 1925; 1 spec.

Remarks: Only this single specimen known.

Subfamily *Autolytinae*.63. *Autolytus prolifer* (O. FR. MÜLLER) 1785.

(Chart 13).

West-Greenland records:

1883. *Autolytus prolifer* LEVINSEN, p. 302.
 1897. *Autolytus prolifer* VANHÖFFEN, p. 223.
 1914. *Autolytus prolifer* DITLEVSEN, p. 700.
 1947. *Autolytus prolifer* E. WESENBERG-LUND, p. 19.
 1950. *Autolytus prolifer* E. WESENBERG-LUND, p. 17.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 67°10' N. 55°00' W.; 100 m. w.; "Dana" St. 2356; 26. 6. 1925; 1 spec.

Coastal waters: Cape Chalon; 81°44' N.; 18 m; mud. — Etah. — Godhavn; Orlík; 2 spec. — Egedesminde; LevinSEN; 1 spec. — Holsteinsborg; "Tjalfe" St. 88; 29. 6. 1908; 8 spec. — The Pecten-shoal at the harbour of Holsteinsborg; Traustedt; 19. 5. 1892; 4 spec. — 66°55' N. 53°40' W.; 50 m. w.; "Dana" St. 2355; 25. 6. 1925; 1 spec. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 10 spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec. — 64°45' N. 52°52' W.; 100 m. w.; "Dana" St. 2334; 19. 6. 1925; 1 spec. — Off Napassoq; Poul M. Hansen; 14. 6. 1937; 1 spec.

Remarks: The atokous form as well as the *Polybostrichus* and the *Sacconereis* are known from West-Greenland. The atokous form belongs to the littoral fauna and often inhabits tough, translucent tubes which are frequently wound round the Hydroid colony *Lajoëina maxima* LEV. The sexual phases are pelagic and may be secured far away from the shore.

Distribution: Widely spread in the arctic; boreal, lusitanian.

64. *Autolytus prismaticus* (O. FABRICIUS) 1780.

(Chart 13; d.).

West-Greenland records:

1780. *Nereis prismaticus* O. FABRICIUS, p. 304.
 1780. *Nereis bifrons* O. FABRICIUS, p. 303.
 1843. *Polybostrichus longosetosus* ØRSTED, p. 183.
 1867. *Autolytus longosetosus* MALMGREN, p. 34.
 1875. *Autolytus longosetosus* LÜTKEN, p. 170.
 1883. *Autolytus longosetosus* LEVINSEN, p. 302.
 1897. *Autolytus longosetosus* VANHÖFFEN, p. 223.
 1902. *Autolytus longosetosus* MOORE, p. 274.

1914. *Autolytus longisetosus* DITLEVSEN, p. 22.
 1947. *Autolytus prismaticus* E. WESENBERG-LUND, p. 24.
 1950. *Autolytus prismaticus* E. WESENBERG-LUND, p. 17.

Occurrence:

The open sea: 72°33'5 N. 57°36' W.; 190 m.; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 67°40' N. 55°00' W.; 100 m. w.; "Dana" St. 2356; 25. 6. 1925; 3 spec. — 62°45' N. 52°52' W.; 100 m. w.; "Dana" St. 2334; 19. 6. 1925; 1 spec. — 64°34' N. 59°09' W.; Lundbeck; 8. 4. 1890; 1 spec. — 63°56' N. 52°41' W.; 100 m. w.; "Dana" St. 2314; 8. 6. 1925; 2 spec.

Coastal waters: Chape Chalon; (81°44' N.). — Etah. — Godhavn; Olrik; about 35 spec. — 69°44' N. 51°22' W.; 480 m.; "Godthaab" St. 154; 7. 9. 1928; 1 spec. — Egedesminde; Levinsen; 1877; 2 spec. — Ikerasak, near Agto; Poul M. Hansen; 27. 5. 1938; 1 spec. — Off the Isortoq Fjord; Poul M. Hansen; 12. 6. 1935; 1 spec. — Nordre Isortoq; Poul M. Hansen; 18. 5. 39; 4 spec. — Holsteinsborg; "Dana"; 24. 5. 1925; 1 spec. — Holsteinsborg harbour; 66°55'5 N. 53°40' W.; 50 m. w.; "Dana" St. 2355; 25. 6. 1925; 1 spec. — East of Hellefiskebanke, off Ikertôq; 66°45' N. 53°45' W.; 50 m. w.; "Dana" St. 2350; 23. 6. 1925; 2 spec. — Store Hellefiskebanke; Holm; 1886; 2 spec. — Ikertôq Fjord; Poul M. Hansen; 5. 6. 1934; 1 spec. — Amerdloq; 100 m. w.; Poul M. Hansen; 20. 5. 1939; 1 spec. — Atangmik; Poul M. Hansen; 27. 6. 1934; 1 spec. — Off Atangmik; Poul M. Hansen; 12. 6. 1935; 1 spec. — The harbour of Sukkertoppen; Holm; 5. 7. 1884; 1 spec. — Just outside the harbour of Sukkertoppen; "Tjalfe" St. 358; 14. 5. 1908; 10 spec. — Kapisigdlit; 100 m. w.; Poul M. Hansen; 25. 5. 1936; 5 spec. — Godthaab harbour; Holm; 27. 6. 1884; 1 spec. — Godthaabsfjord; 70 m. w.; "Tjalfe" St. 43 B; 10. 6. 1908; 1 spec. — Off Fiskenaesfjord; Poul M. Hansen; 13. 7. 1939; 1 spec. — At Storøen, about 62°07' N.; Poul M. Hansen; 20. 7. 1934; 1 spec. — Julianehaab; Poul M. Hansen; 27. 7. 1934; 1 spec.

The fjords: Kvanefjord; St. 28; 400 m. w.; 5. 7. 1912; 1 spec.

Remarks: The find at Cape Chalon is remarkable, on account of its high-arctic character (81°44' N. Lat.) and because the species was never found along the well-explored coast from Etah to Kap York (78°—76° N. Lat.). From Disko and southwards the species is, however, by far the most common *Autolytus*-species in the littoral area. — All three places are known from West-Greenland.

Distribution: Mainly arctic and boreal.
 In Greenlandic: Sengiarak.

65. *Autolytus verrilli* MARENZELLER 1892.
(Chart 13).

West-Greenland records:

1867. *Autolytus alexandri* MALMGREN, p. 37.
 1883. *Autolytus alexandri* LEVINSEN, p. 302.
 1883. *Autolytus newtoni* LEVINSEN, p. 302.
 1897. *Autolytus verrilli* VANHÖFFEN, p. 223.
 1897. *Autolytus newtoni* VANHÖFFEN, p. 223.
 1914. *Autolytus alexandri* DITLEVSEN, p. 701.
 1914. *Autolytus newtoni* DITLEVSEN, p. 701.
 1947. *Autolytus verrilli* E. WESENBERG-LUND, p. 33.
 1950. *Autolytus verrilli* E. WESENBERG-LUND, p. 18.

Occurrence:

The open sea: 64°45' N. 52°52' W.; 100 m. w.; "Dana" St. 2334; 29. 6. 1925; 4 spec. — 63°56' N. 52°41' W.; 100 m. w.; Riis-Carstensen; 8. 6. 1925; 2 spec. — Davisstrædet; Møller; 8 spec.

Coastal waters: Godhavn; Olrik; 15 spec. — 66°45' N. 52°45' W.; 50 m. w.; "Dana" St. 2350; 23. 6. 1925; 1 spec. — Qaquk; Godthaabsfjord; Poul M. Hansen; 15. 6. 1939; 1 spec.

Remarks: Fairly common in West-Greenland waters. *A. alexandri* MLMGR. which is identic with *A. verrilli* was originally established on a specimen from Davisstrædet.

Distribution: Mainly arctic; is one of the polychætes which extends farthest north (N. of Spitsbergen).

66. *Autolytus groenlandicus* E. WESENBERG-LUND 1947.
(Chart 13).

West-Greenland records:

1947. *Autolytus groenlandicus* E. WESENBERG-LUND, p. 32.
 1950. *Autolytus groenlandicus* E. WESENBERG-LUND, p. 17.

Occurrence:

Coastal waters: Godthaab harbour; "Ingolf" 1 spec. — Kangeq; Poul M. Hansen; 1 spec.

Remarks: The species was described from Godthaab and hitherto not refund.

[*Autolytus incertus* MALMGREN 1867.

West-Greenland records:

1875. *Autolytus incertus* LÜTKEN, p. 170.

Remarks: In his "Arctic Manual" LÜTKEN mentions this species as a West-Greenland species referring to MALMGREN 1867. This author,

however, who in the quoted paper erects the species, reports it from Spitsbergen and not from Greenland.]

Family *Nereidæ* QUATREFAGES.

67. *Leptonereis glauca* CLAPARÈDE. (Chart 14).

West-Greenland records:

1950. *Leptonereis glauca* E. WESENBERG-LUND, p. 18.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 25. 6. 1895; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Remarks: Hitherto only these three specimens from the deep area in Davisstrædet are known from arctic waters.

Distribution: Lusitanian; mostly in shallow waters; a fairly scarce species.

68. *Ceratocephala borealis* E. WESENBERG-LUND 1950. (Chart 14).

West-Greenland records:

1950. *Ceratocephala borealis* E. WESENBERG-LUND, p. 18.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 3 spec.

Remarks: The species is only known from the deeper parts of Davisstrædet, and hitherto only the here mentioned four specimens.

69. *Nereis pelagica* (LINNÉ) 1758. (Chart 14; V; E.).

West-Greenland records:

- 1780. *Nereis verrucosa* FABRICIUS, p. 292.
- 1843. *Nereis pelagica* ØRSTED, p. 175.
- 1865. *Heteronereis grandifolia* MALMGREN, p. 108.
- 1867. *Nereis pelagica* MALMGREN, p. 47.
- 1875. *Nereis pelagica* LÜTKEN, p. 170.
- 1877. *Nereis pelagica* Mc'INTOSH, p. 503.
- 1883. *Nereis pelagica* LEVINSEN, p. 300.

1889. *Nereis pelagica* HOLM, p. 156; p. 158.
 1897. *Nereis pelagica* VANHÖFFEN, p. 222.
 1898. *Nereis pelagica* MICHAELSEN, p. 126.
 1914. *Nereis pelagica* DITLEVSEN, p. 698.
 1937. *Nereis pelagica* DITLEVSEN, p. 27.
 1950. *Nereis pelagica* E. WESENBURG-LUND, p. 19.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 26. 7. 1928; 1 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec. — Store Hellefiskebanke; Lundbeck; 1 spec. — 24 miles W. S. W. of Rifkol; 40 m; sand and gravel; Bornemann; 10. 7. 1912; 5 spec. — 66°52'5 N. 54°48' W.; 35 m; "Godthaab" St. 34; 2. 7. 1928; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 3 spec. — 65°27' N. 54°45' W.; 110 m; Wandel; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 64°19' N. 54°01' W.; the surface; "Tjalfe" St. 78 a; 25. 6. 1908; 1 spec. — 64°11' N. 52°47' W.; 55 m; "Dana" St. 2318; 9. 6. 1925; 10 spec. — 64°02' N. 52°25' W.; 120 m; Riis-Carstensen; 23. 7. 1926; 1 spec. — 64°01' N. 52°45' W.; 51 m; Riis-Carstensen; 28. 7. 1926; 3 spec. — Fyllas Banke, off Godthaab; Bornemann; 26. 7. 1912; 3 spec. — 63°58' N. 53°08' W.; 70 m. w.; "Tjalfe" St. 70; 25. 6. 1908; 3 spec. — 63°56' N. 52°41' W.; 48 m; 100 m. w.; "Dana" St. 2314; 8. 6. 1925; 10 spec. — 63°56' N. 53°00' W.; 72 m; 150 m. w.; "Dana" St. 2315; 8. 6. 1925; 5 spec. — 63°56' N. 52°24' W.; 100 m. w.; "Dana" St. 2319; 9. 6. 1925; 10 spec. — 63°40' N. 52°41' W.; 130 m; 70 m. w.; "Tjalfe" St. 35 b; 9. 6. 1908; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 1 spec. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 10. 10. 1928; 1 spec. — The entrance to Davisstrædet; Lundbeck; 1890; 1 spec.

Coastal waters: Upernavik; Ryder; 1886; 1 spec. — Prøven; Olrik; 1 spec. — Umanak; Ørsted. — Qarajaqs Isfjord. — Ritenbenk; Andersen; 2 spec. — Godhavn; Olrik; 5 spec.; Fr. Johansen; IX. 1931; 2 spec. — Egedesminde; Olrik; 2 spec. — Off Holsteinsborg; Bergendal; 3 spec. — Holsteinsborg Fjord; Traustedt; 1 spec. — Ikertôq Fjord; 50 m; Holm; 1. 8. 1886; 1 spec. — Sukkertoppen; Holm; Holbøll; 2 spec.; Hastrup; 1885; 1 spec. — 65°09' N. 53°33' W.; 55 m; "Tjalfe" St. 419; 6. 6. 1909; 1 spec. — Godthaab harbour; 25 m; Holm; 22. 6. 1886; 2 spec. — Godthaab off Hernhuterpynt; 10—20 m; "Godthaab" St. 18. 6. 1928; 1 spec. — Godthaab; Hollbøll; 6 spec. — Ivigtut; Nielsen; 2 spec. — Julianehaab Fjord; the beach; Poul M. Hansen; 21. 7. 1929; 1 spec. — Julianehaab; Sørensen; 7. 9. 1902; 1 spec.

The fjords: Nordre Strømfjord: St. 3 a; 17 miles from the mouth; 325—230 m; 25. 6. 1911; 1 spec. — St. 4; 25 miles from the mouth; 400—410 m; 27. 6. 1911; 1 spec. — Bredefjord: St. 32; 35—37 m; 16. 7. 1912; 1 spec.

Remarks: Already according to MALMGREN common everywhere in West-Greenland; in shallow waters and on the off-shore banks.

Distribution: Cosmopolitan.

In Greenlandic: Sengiarsoak.

70. *Nereis zonata* MALMGREN 1867.

(Chart 15; V; E; d).

West-Greenland records:

- ?1780. *Nereis diversicolor* FABRICIUS, p. 291.
 1843. *Heteronereis arctica* ØRSTED, p. 176.
 1867. *Nereis zonata* MALMGREN, p. 47.
 1875. *Nereis zonata* LÜTKEN, p. 170.
 1877. *Nereis zonata* Mc'INTOSH, p. 503.
 1883. *Nereis zonata* LEVINSEN, p. 300.
 1897. *Nereis arctica* VANHÖFFEN, p. 222.
 1898. *Nereis arctica* MICHAELSEN, p. 124.
 1902. *Nereis zonata* MOORE, p. 274.
 1914. *Nereis zonata* DITLEVSEN, p. 697.
 1937. *Nereis zonata* DITLEVSEN, p. 20.
 1950. *Nereis zonata* E. WESENBERG-LUND, p. 20.
 1950. *Nereis zonata* VIBF, p. 96.

Occurrence:

The open sea: 77°05'5 N. 71°13' W.; 790 m; "Godthaab" St. 87; 4. 8. 1928. — 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928. — 76°37'4 N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928. — 75°54' N. 81°01' W.; 610 m; "Godthaab" St. 119; 17. 8. 1928. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1912. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 1 spec. — 65°00' N. 53°00' W.; 60 m.

Coastal waters: 77°28' N. 68°46' W.; 875 m; "Godthaab" St. 94; 6. 8. 1928. — Uvdle, Thule; 30 m; Chr. Vibe; 30. 7. 1939; 1 spec. — Prøven; Olrik; 3 spec. — Qarajaqs Isfjord. — Godhavn harbour; 10—40 m. — 62°56' N. 50°25' W.; 50 m; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; mud with a few stones; 23. 6. 1911; 1 spec. — St. 3 c; 17 miles from the mouth; 200—240 m; 25. 6. 1911; 1 spec. — St. 9 B; 37 miles from the mouth; 44—64 m; stones and rocks; 6. 7. 1911; 1 spec. — St. 11 B; 53 miles from the mouth; 67—50 m; coarse sand with pebbles; 6. 7. 1911; 1 spec. — Kvanefjord: St. 13; 34—40 m; algæ

with Hydroids; 26. 6. 1912; 1 spec. — St. 25; 115 m; clay with stones, much shell-gravel; 3. 7. 1912; 1 spec. — Bredefjord: St. 32; 37—35 m; stones with algæ; 15. 7. 1912; 1 spec.

Remarks: More arctic and more frequently found in the open sea than the preceding species.

Distribution: Widely spread in the arctic; most probably circumpolar; boreal.

71. *Nereis diversicolor* O. FR. MÜLLER 1771.

(Chart 15).

West-Greenland records:

1914. *Nereis diversicolor* DITLEVSEN, p. 696.

Occurrence:

Coastal waters: Godthaab harbour; 12 m; Holm; 3. 7. 1886; 1 spec.

Remarks: DITLEVSEN (op. cit.) presumes that MÖBIUS's statement (1872) of the occurrence of the species at the Shannon Ø N. E. Greenland must be erroneous, because it is not known from Greenland. In the collections examined by me, there is, however, a specimen from Godthaab; but, undoubtedly, the species is very scarce in Greenland waters.

Distribution: Boreal; boreo-arctic; lusitanian.

72. *Nereis paradoxa* (ØRSTED) 1843.

(Chart 15).

West-Greenland records:

1843. *Heteronereis paradoxa* ØRSTED, p. 177.

1867. *Eunereis paradoxa* MALMGREN, p. 58.

1875. *Eunereis paradoxa* LÜTKEN, p. 170.

1914. *Nereis paradoxa* DITLEVSEN, p. 696.

Occurrence:

Coastal waters: Godthaab; Ørsted; 1 spec.

Remarks: Only known from a single specimen, the type of the species.

73. *Nereis longissima* JOHNSTON 1840.

West-Greenland records:

1865. *Eunereis longissima* MALMGREN, p. 183.

1867. *Eunereis longissima* MALMGREN, p. 57.

1883. *Nereis longissima* LEVINSEN, p. 300.

1897. *Nereis longissima* VANHÖFFEN, p. 222.

1911. *Nereis longissima* HEINEN, p. 57.

1914. *Nereis longissima* DITLEVSEN, p. 696.

Remarks: LEVINSEN (and HEINEN referring to him) gives no further locality than Greenland; according to DITLEVSEN a confusion of this and the preceding species most probably has taken place. Neither DITLEVSEN nor I have been able to find the original statement of the occurrence of *N. longissima* in Greenland. In the old collections in the Museum no specimen is present from Greenland.

Distribution: Boreo-arctic; boreal; lusitanian.

Family Nephthydidæ GRUBE.

74. *Nephthys coeca* (O. FABRICIUS) 1780.

(Chart 15; VI; F.).

West-Greenland records:

1780. *Nereis coeca* FABRICIUS, p. 304.

1843. *Nephthys coeca* ØRSTED, p. 193.

1865. *Nephthys coeca* MALMGREN, p. 105.

1875. *Nephthys coeca* LÜTKEN, p. 169.

1877. *Nephthys coeca* Mc'INTOSH, p. 501.

1883. *Nephthys voeca* LEVINSEN, p. 298.

1897. *Nephthys coeca* VANHÖFFEN, p. 222.

1914. *Nephthys coeca* DITLEVSEN, p. 693.

1950. *Nephthys coeca* E. WESENBERG-LUND, p. 20.

Occurrence:

The open sea: Store Hellefiskebanke; Holm; 1886; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 2 spec.

Coastal waters: Ritenbenk; Olrik; 1 spec. — Godhavn; the shore after a storm; Porsild; 23. 8. 1919; 2 spec. — Godhavn; Olrik; 1 spec. — Jakobshavn; 150 m; clay; Bergendal; 2 spec. — Egedesminde; Olrik; 4 spec. and Bergendal; clay; 10 spec. — 67°50' N. 55°27' W.; "Valorous", 30 m. — Holsteinsborg; Rink; 2 spec. — Holsteinsborg harbour; "Ingolf"; 9. 7. 1895; 3 spec. — Ikertôq Fjord; 50 m; Holm; 1. 8. 1886; 1 spec. — Godthaab; Ryder; 1 spec. — Godthaab harbour; 7—5 m; Holm; 13. 7. 1886; 1 spec. — The skerries off Frederikshaab; 15—45 m; Holm; 17. 8. 1886; 1 spec. — Julianehaab; Brummerstedt; 28. 9. 1901; 1 spec. — Frederiksdal.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with stones; 23. 6. 1911; 2 spec. — St. 4 A; 25 miles from the mouth; 400—410 m; mud with stones; 27. 6. 1911; 3 spec. — St. 9 A; 37 miles from the mouth; 550—500 m; ooze; 6. 7. 1911; 2 spec.

— Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — St. 127; 10—15 m; gravel, clay; 26. 8. 1912; 5 spec.

Remarks: This species is not true arctic; in West-Greenland it does not surpass the 70° N. Lat. It is nearly everywhere littoral, only in the fjords is it found in considerable depths (about 500 m).

Distribution: Common in the boreal and lusitanian area; in the true arctic region evidently only sporadic or in areas influenced by the Gulf Stream.

75. *Nephtys coeca* var. *ciliata* Mc'INTOSH 1908.

(Chart 15; VI).

West-Greenland records:

1950. *Nephtys coeca* var. *ciliata* VIBE, p. 96.

Occurrence:

Coastal waters: Uvdle, Thule; 30 m; Chr. Vibe; 30. 7. 1939; 1 spec. — Godthaab harbour; "Ingolf" St. vac.; 28. 6. 1895; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with stones; 23. 6. 1911; 2 spec. — St. 27; the bay at Itivdliarsuk; 75—75 m; fine grey clay; 24. 7. 1911; 3 spec. — St. 28; the bay at Itivdliarsuk; 20—36 m; clay with stones; 24. 7. 1911; 2 spec. — St. 29; the head of the western branch of the broad of Ugssuit; 16—16 m; sandy clay with stones; 1 spec. — St. 30; the western branch of the broad of Ugssuit; 80—80 m; 26. 7. 1911; 1 spec.

Remarks: Some of the *Nephtys ciliata* specimens in the present collections should in my opinion be referred to Mc'INTOSH's variety.

Distribution: Originally described from Scotland; reported from Plymouth and the North Sea.

76. *Nephtys hombergi* AUD. & EDWARDS 1834.

West-Greenland records:

1883. *Nephtys hombergi* LEVINSEN, p. 298.

1889. *Nephtys hombergi* HOLM, p. 159.

1914. *Nephtys hombergi* DITLEVSEN, p. 694.

Occurrence:

Davisstrædet; about 200 m; Holm; 7. 7. 1884; 1 spec.

Remarks: In the older collections of the museum there is a single specimen, evidently determined by LEVINSEN, but without any further statement of locality than Davisstrædet. This is of interest, as it appears to be the single find from arctic waters. THÉEL's report from the Kara Sea proved to be a confusion of *N. longosetosus*.

Distribution: Boreal; lusitanian. Littoral.

77. *Nephtys ciliata* O. FR. MÜLLER 1789.

(Chart 16; VI; F; d).

West-Greenland records:

1875. *Nephtys ciliata* LÜTKEN, p. 168.
 1877. *Nephtys ciliata* Mc'INTOSH, p. 501.
 1883. *Nephtys ciliata* LEVINSEN, p. 298.
 1897. *Nephtys ciliata* VANHÖFFEN, p. 222.
 1898. *Nephtys ciliata* MICHAELSEN, p. 126.
 1914. *Nephtys ciliata* DITLEVSEN, p. 692.
 1937. *Nephtys ciliata* DITLEVSEN, p. 20.
 1950. *Nephtys ciliata* E. WESEBERG-LUND, p. 21.
 1950. *Nephtys ciliata* VIBE, p. 96.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 2 spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 4 spec. — 69°31' N. 56°10' W.; 200 m; "Valorous".

Coastal waters: Neqé, Thule; Chr. Vibe; 11. 12. 1939; 5 spec. — Saunders Ø, Thule; 45 m; Chr. Vibe; 31. 7. 1939; 1 spec. — Wolstenholme Fjord, Thule; 60 m; Freuchen; 24. 2. 1919; 1 spec. — Uvdle, Thule; 12—45 m; Chr. Vibe; 30. 7. 1939; 8 spec. — Qarajaqs Isfjord. — 70°30' N. 54°41' W.: "Valorous". — Jakobshavn at the Isfjord; 30 m; Ad. S. Jensen; 27. 6. 1906; 4 spec. — Jakobshavn; Traustedt; 3 spec. — Godhavn; Olrik; 3 spec. — Egedesminde; Zimmer; 3 spec. — The skerries off Holsteinsborg; 35 m; "Godthaab" St. 33 a; 2. 7. 1928; 3 spec. — Sangmissoq at Sârdloq; Poul M. Hansen; 8. 9. 1937; 4 spec. — Kapisigdlit; 5—6 m; 15 spec. — The head of the Kapisigdlit Fjord, W. of the Lakseelv; "Dana" St. 2324; 15. 6. 1925; 2 spec. — 64°02' N. 52°25' W.; 85 m; 27. 7. 1926; 1 spec. — Godthaab harbour; "Ingolf"; 4 spec. — Julianehaab. — Sigssarigsoq Fjord, Julianehaab district; Bernburg; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 100—160 m; ooze with stones; 23. 6. 1911; 2 spec. — St. 11 B; 53 miles from the mouth; 67—56 m; coarse sand with pebbles; 6. 7. 1911; 2 spec. — St. 16; opposite of Ujaragsugsuit; 100—160 m; grey clay; 11. 7. 1911; 2 spec. — St. 23; the broad of Ugssuit; 50—52 m; fine grey clay; 16. 7. 1911; 5 spec. — St. 24; the broad of Ugssuit; 6—48 m; grey, fat clay; 16. 7. 1911; 5 spec. — St. 25; the broad of Ugssuit; 175—175 m; grey clay; 16. 7. 1911; 5 spec. — St. 27; the bay at Itivdliarsuk; 75—75 m; fine grey clay; 24. 7. 1911; 1 spec. — St. 35; bay at the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 2 spec. — Kvanefjord: St. 3; 210 m; clay; 22. 6. 1912; 1 spec. — St. 6; 45 m; shell-gravel; 23. 6. 1911; 2 spec. — St. 11; 290 m; stony clay; 26. 6. 1911; 2 spec. — Bredefjord: St. 40; 170—180 m; shell-gravel with stones; 17. 7. 1912; 2 spec. —

St. 46; 30—20 m; shell-gravel with big stones; 18. 7. 1912; 3 spec. — St. 48; 500 m. w.; 19. 7. 1912; 2 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 2 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 2 spec. — St. 109; 125—140 m; stones, mud with shell-gravel; 7. 8. 1912; 2 spec. — St. 113; > 565 m; 9. 8. 1912; 1 spec. — St. 117; 100—120 m; stones, little clay; 10. 8. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 2 spec.

Remarks: Very common in the littoral zone, extending from the highest North to Kap Farvel; furthermore it extends to the very heads of both the large fjord areas.

Distribution: Circumpolar and high arctic, contrary to *N. coeca*; boreal and lusitanian; mostly littoral.

78. *Nephtys longosetosa* ØRSTED 1843.

(Chart 16).

West-Greenland records:

1843. *Nephtys longosetosus* ØRSTED, p. 195.
 1865. *Nephtys longosetosus* MALMGREN, p. 106.
 1897. *Nephtys longosetosus* VANHÖFFEN, p. 222.
 1914. *Nephtys longosetosus* DITLEVSEN, p. 691.
 1937. *Nephtys longosetosus* DITLEVSEN, p. 20.
 1950. *Nephtys longosetosus* E. WESENBURG-LUND, p. 21.

Occurrence:

The open sea: 66°45' N. 56°30' W.; 240 m; "Tjalfe" St. 369; 20. 5. 1909; ∞ spec. — 66°42' N. 56°12' W.; 245 m; "Tjalfe" St. 397; 31. 5. 1908; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 3 spec. — 64°01' N. 52°45' W.; 44 m; Riis-Carstensen; 28. 7. 1926; 3 spec. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 10. 10. 1928; 1 spec.

Coastal waters: Godthaab; Ørsted.

Remarks: The species is described from West-Greenland. It seems to occur only accidentally in the littoral area, and it does not enter the fjords.

Distribution: Arctic; boreal; southwards to the Channel.

79. *Nephtys incisa* MALMGREN 1865.

(Chart 16).

West-Greenland records:

1883. *Nephtys incisa* LEVINSSEN, p. 298.
 1897. *Nephtys incisa* VANHÖFFEN, p. 222.
 1914. *Nephtys incisa* DITLEVSEN, p. 692.

Occurrence:

Coastal waters: Godhavn; Orlík; 7 spec.

Distribution: Very scarce in the Arctic; boreal, lusitanian; may occur at great depths (more than 1000 m west of Norway).

80. *Nephtys paradoxa* MALM 1874.

(Chart 16; VI; F; d).

West-Greenland records:

1883. *Nephtys paradoxa* LEVINSSEN, p. 298.
 1897. *Nephtys paradoxa* VANHÖFFEN, p. 222.
 1914. *Nephtys paradoxa* DITLEVSEN, p. 691.
 1937. *Nephtys paradoxa* DITLEVSEN, p. 19.
 1950. *Nephtys paradoxa* E. WESENBERG-LUND, p. 22.

Occurrence:

The open sea: 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 1 spec. — 68°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec. — 64°02' N. 52°25' W.; 85 m; 27. 7. 1926; 1 spec. — 61°50' N. 56°21' W.; 7202 m; "Ingolf" St. 36; 1. 7. 1895; 1 spec.

Coastal waters: Jakobshavn; Olsen; 21. 11. 1905; 2 spec. — Julianehaab Fjord; 280 m; 26. 4. 1930; 1 spec.

The fjords: Nordre Strømfjord: St. 27; the bay at Itivdliarsuk; 75—75 m; fine grey clay; 24. 7. 1911; 2 spec. — Kvanefjord: St. 3; 225 m; clay with stones; 22. 6. 1912; 1 spec. — St. 6; 37 m; shell-gravel; 23. 6. 1912; 1 spec. — Bredefjord: St. 70; 290—225 m; stones and clay; 24. 7. 1912; 1 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; 1 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 1 spec. — St. 121; 700 m; clay; 25. 8. 1912; 1 spec. — St. 135; 225—240 m; stony clay; 29. 8. 1912; 1 spec. — Skovfjord: St. 139; 280—300 m; clay without stones; 2. 9. 1912; 1 spec. — St. 141; 35—70 m; stones with barnacles; 2. 9. 1912; 1 spec. — St. 144; 250—300 m; stones and clay; 3. 9. 1912; 1 spec. — St. 146; 305—310 m; stony clay; 5. 9. 1912; 1 spec.

Remarks: The species is fairly common in Bredefjord; where it is found rather far headwards, although not in the innermost part, the Sermilik; along the coast and in the open sea it is only occasionally found; once at a great depth: 7200 m.

Distribution: Widely distributed in arctic and boreal waters, Ellesmereland, Jones Sound; mostly an abyssal species.

81. *Nephtys malmgreni* THÉEL 1879.

(Chart 16; F.).

West-Greenland records:

1911. *Nephtys malmgreni* HEINEN, p. 29.
 1914. *Nephtys malmgreni* DITLEVSEN, p. 691.

1937. *Nephtys malmgreni* DITLEVSEN, p. 19.

1950. *Nephtys malmgreni* E. WESENBERG-LUND, p. 22.

Occurrence:

The open sea: 75°54' N. 81°01' W.; 610 m; "Godthaab" St. 119; 17. 8. 1928; 1 spec. — 74°52' N. 62°12' W.; 450 m; "Godthaab" St. 73; 30. 7. 1928; 1 spec. — 74°41' N. 70°30' W.; 1200 m; "Godthaab" St. 135; 23. 8. 1928; 5 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 5 spec. — 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 1 spec. — 68°23' N. 56°12' W.; 480 m; "Godthaab" St. 159; 12. 9. 1928; 2 spec. — 67°48' N. 60°48' W.; 1600 m; "Godthaab" St. 162 a; 13. 9. 1928; 1 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1928; 1 spec. — 63°57' N. 52°51' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec. — 62°19' N. 56°00' W.; 2550 m; "Godthaab" St. 24; 14. 6. 1928; 1 spec. — 61°50' N. 56°21' W.; 7202 m; "Ingolf" St. 36; 28. 7. 1895; 1 spec.

The fjords: Bredefjord: St. 55; 330—310 m; clay with a few small stones; 20. 7. 1912; 1 spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 1 spec. — St. 98; 520—560 m; fine clay with a few stones; 4. 8. 1912; 1 spec. — St. 116; 80—95 m; stony clay; 9. 8. 1912; 1 spec. — Skovfjord: St. 139; 280—300 m; clay; 2. 9. 1912; 2 spec.

Remarks: Widely spread in the open sea, often in abyssal parts, and on the off-shore banks, but never found along the coast or on the shelf; strangely enough widely inside Bredefjord.

Distribution: Widely distributed in the waters west of Greenland from 80° N. Lat. Arctic; boreo-arctic; wide bathymetrical range.

[*Nephtys lactea* MALMGREN 1867.

West-Greenland records:

1867. *Nephtys lactea* MALMGREN, p. 18.

1875. *Nephtys lactea* LÜTKEN, p. 169.

1914. *Nephtys lactea* DITLEVSEN, p. 692.

Occurrence:

Coastal waters: Narssâraq; Amdonsen.

Remarks: MALMGREN (op. cit.) only mentions the name which has remained in the literature as a nomen nudum; he gives no description, and it is hardly possible to decide to what species the name refers. As finding-place MALMGREN mentions Narssâraq in South-Greenland. TAUBER (1879) refers to one of MALMGREN's figures, but this latter represents *Nephtys incisa*.]

Family Sphærodoriidæ MALMGREN.

82. *Ephesia gracilis* RATHKE 1843.

(Chart 17).

West-Greenland records:

1867. *Ephesia gracilis* MALMGREN, p. 79.
 1875. *Ephesia gracilis* LÜTKEN, p. 172.
 1883. *Ephesia gracilis* LEVINSEN, p. 302.
 1897. *Ephesia gracilis* VANHÖFFEN, p. 223.
 1898. *Ephesia gracilis* MICHAELSEN, p. 126.
 1914. *Ephesia gracilis* DITLEVSEN, p. 702.
 1937. *Ephesia gracilis* DITLEVSEN, p. 21.
 1950. *Ephesia gracilis* E. WESENBERG-LUND, p. 22.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114;
 16. 8. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32;
 11. 7. 1895; 1 spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34;
 18. 7. 1895; 1 spec.

Coastal waters: Prøven; Olrik; 1 spec. — Julianehaab. — Grønland; Holbøll; 2 spec.

Distribution: Widely distributed in arctic and boreal areas; southwards to Great Britain; Mediterranean.

83. *Ephesia peripatus* CLAPARÈDE 1863.

(Chart 17).

West-Greenland records:

1937. *Ephesia peripatus* DITLEVSEN, p. 21.
 1950. *Ephesia peripatus* E. WESENBERG-LUND, p. 22.

Occurrence:

The open sea: 74°41' N. 70°30' W.; 1200 m; "Godthaab" St. 135;
 23. 8. 1928; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24;
 25. 6. 1895; 3 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36;
 28. 7. 1895; 2 spec. — 61°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25;
 26. 6. 1895; 1 spec.

Remarks: Evidently an abyssal form in West-Greenland waters where it is widely spread.

Distribution: Scarce in arctic regions, from which it previously has been reported only from West-Greenland and the Kara Sea; the Channel and the Mediterranean.

84. *Sphærodorum claparèdei* GREFF 1866.

(Chart 17).

West-Greenland records:

1950. *Sphærodorum claparèdei* E. WESENBERG-LUND, p. 23.

Occurrence:

The open sea: 65°58' N. 55°13' W.; "Tjalfe" St. 359; 14. 5. 1909;
1 spec.

Remarks: Very scarce in arctic regions; the present specimen was secured in a pelagic haul. The above mentioned locality and one east of Iceland, published in the "Ingolf" report, are the hitherto known northernmost localities.

Distribution: Boreal; lusitanian.

Family **Chrysopetalidæ** EHLERS.85. *Dysponetus pygmæus* LEVINSEN 1879.

(Chart 17).

West-Greenland records:

1879. *Dysponetus pygmæus* LEVINSEN, p. 9.1883. *Dysponetus pygmæus* LEVINSEN, p. 289.1897. *Dysponetus pygmæus* VANHÖFFEN, p. 222.1914. *Dysponetus pygmæus*, DITLEVSEN, p. 701.

Occurrence:

Coastal waters: Egedesminde; Levinsen; 3 spec.

Distribution: Only known from the said locality and one in East-Greenland, not yet published.

Family **Glyceridæ** GRUBE.86. *Glyceria capitata* ØRSTED 1843.

(Chart 17).

West-Greenland records:

1843. *Glyceria capitata* ØRSTED, p. 196.1843. *Glyceria setosa* ØRSTED, p. 198.1867. *Glyceria capitata* MALMGREN, p. 70.1877. *Glyceria capitata* Mc'INTOSH, p. 503.1877. *Glyceria cetosa* Mc'INTOSH, p. 503.1883. *Glyceria capitata* LEVINSEN, p. 298.1883. *Glyceria setosa* LEVINSEN, p. 298.1897. *Glyceria capitata* VANHÖFFEN, p. 223.

1897. *Glycera setosa* VANHÖFFEN, p. 223.
 1898. *Glycera capitata* MICHAELSEN, p. 127.
 1914. *Glycera capitata* DITLEVSEN, p. 694.
 1937. *Glycera capitata* DITLEVSEN, p. 25.
 1948. *Glycera capitata* STØP-BOWITZ, p. 6.
 1950. *Glycera capitata* E. WESENBERG-LUND, p. 23.

Occurrence:

The open sea: 77°28' N. 68°46' W.; 875 m; "Godthaab" St. 94; 6. 8. 1928; 1 spec. — 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 2 spec. — 76°37' N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — 76°24' N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 2 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 85; 4. 8. 1928; 1 spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 1 spec. — 73°30' N. 59°36' W.; 225 m; "Godthaab" St. 65; 28. 7. 1928; 2 spec. — 72°33' N. 57°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — Store Hellefiskebanke; 24 miles W. S. W. of Rifkol; 40 m; Bornemann; 10. 7. 1912; 3 spec. — Store Hellefiskebanke; 35 m; Holm; 1886. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 3 spec. — 65°22' N. 54°02' W.; Wandel; 1889. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 8. 1895; 4 spec. — 64°01' N. 52°40' W.; 54 m; Riis-Carstensen; 28. 7. 1926; 2 spec. — 63°03' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 4 spec. — 63°06' N. 56°00' W.; 2258 m' "Ingolf" St. 24; 25. 6. 1895; 3 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 3 spec. — 59°10' N. 50°25' W.; 3400 m; "Valorous".

Coastal waters: Kraulshavn; 74°08' N.; Fr. Johansen; 24. 7. 1931; 1 spec. — Upernavik; Møller. — Prøven. — Umanak. — Vaigat. — Qarajaqs Isfjord. — South coast of Hareøen; Porsild; 5. 4. 1921. — Ritenbenk; Andersen; 2 spec. — Jakobshavn; Traustedt; 1892. — Godhavn; Olrik; Andersen; 4 spec. — Christianshaab; 15—50 m; Holm; 25. 7. 1884; 1 spec. — 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 2 spec. — Egedesminde; Bergendal; Zimmer; 6 spec. — Holsteinsborg. — Holsteinsborg harbour; 50 m; "Ingolf"; 1895. — Ikertôq Fjord; 50 m; Holm; 1. 8. 1896; 1 spec. — Agpamiut; Poul M. Hansen; 25. 8. 1927; — Sukkertoppen. — Godthaab. — At Ravns Storø; 20—30 m; Godthaab" St. 29 e; 16. 6. 1928; 1 spec. — Julianehaab.

Remarks: Widely spread all over the West-Greenland coast and in Baffins Bugt and Davisstrædet. Not found inside the fjords.

Distribution: Common everywhere in the Arctic. Boreal; Lusitanian; Mediterranean; wide bathymetrical range.

87. *Goniada maculata* ØRSTED 1843.

(Chart 17).

West-Greenland records:

1950. *Goniada maculata* E. WESENBERG-LUND, p. 24.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 225 m; "Ingolf" St. 24;
25. 6. 1895; 1 spec.

Remarks: Not common in the arctic region.

Distribution: Mainly boreal and lusitanian.

Family **Eunicidæ** GRUBE.Subfamily **Eunicinæ** KINBERG.88. *Eunice pennata* (O. FR. MÜLLER) 1776.

(Chart 18; G.).

West-Greenland records:

1937. *Eunice pennata* DITLEVSEN, p. 25.1950. *Eunice pennata* E. WESENBERG-LUND, p. 25.

Occurrence:

The open sea: 66°37' N. 56°37' W.; 450 m; "Dana" St. 2346;
22. 6. 1925; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32;
11. 7. 1895; ∞ spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34;
18. 7. 1895; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35;
18. 7. 1895; 12 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28;
1. 7. 1895; 4 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27;
1. 7. 1895; 10 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 26;
26. 6. 1895; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 25;
26. 6. 1895; 2 spec. — 62°07' N. 55°00' W.; 275 m; "Godthaab" St. 180;
6. 10. 1928; 1 spec. — 60°17' N. 54°05' W.; 3229 m; "Ingolf" St. 37;
29. 7. 1895; 1 spec.

The fjords: Bredefjord: St. 55; 330—310 m; clay with a few small
stones; 20. 7. 1912; 1 spec. — St. 67; 310—220 m; stony clay; 24. 7.
1912; 5 spec. — St. 70; 290—225 m; stones; 24. 7. 1912; 2 spec. —
St. 77; 470—245 m; stony clay; 27. 7. 1912; 3 spec. — Skovfjord:
St. 155; 220—400 m; stones without clay; 15. 9. 1912; 3 spec.

Remarks: In the area under consideration only in the part of
Davisstrædet which is influenced by the Gulf Stream and in the outer
part of Bredefjord. Mainly abyssal.

Distribution: Mainly boreo-arctic, boreal and lusitanian.

Subfamily **Onuphidiinæ** LEVINSEN.89. *Onuphis conchylega* M. SARS 1835.

(Chart 18; VII; G.).

West-Greenland records:

1843. *Onuphis eschrichti* ØRSTED, p. 172.
 1867. *Nothria conchylega* MALMGREN, p. 66.
 1875. *Nothria conchylega* LÜTKEN, p. 171.
 1877. *Nothria conchylega* MC'INTOSH, p. 503.
 1883. *Onuphis conchylega* LEVINSEN, p. 299.
 1889. *Onuphis conchylega* HOLM, p. 158; p. 159.
 1897. *Onuphis conchylega* VANHÖFFEN, p. 222.
 1902. *Nothria conchylega* MOORE, p. 274.
 1914. *Onuphis conchylega* DITLEVSEN, p. 695.
 1937. *Onuphis conchylega* DITLEVSEN, p. 26.
 1950. *Onuphis conchylega* E. WESENBERG-LUND, p. 26.
 1950. *Onuphis conchylega* VIBE, p. 97.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114;
 16. 8. 1928; 4 spec. — 76°08' N. 80°53' W.; 85 m; "Godthaab" St. 116;
 17. 8. 1928; 2 spec. — 75°54' N. 81°01' W.; 610 m; "Godthaab" St. 119;
 17. 8. 1928; 2 spec. — 74°52' N. 62°12' W.; 450 m; "Godthaab" St. 73;
 30. 7. 1928; 1 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131;
 22. 8. 1928; ∞ spec. — 72°35' N. 57°36' W.; 190 m; "Godthaab" St. 61;
 21. 7. 1928; 6 spec. — 73°30' N. 59°36' W.; 225 m; "Godthaab" St. 65;
 28. 7. 1928; 6 spec. — 72°30' N. 59°02'5 W.; 245 m; "Godthaab" St. 60;
 21. 7. 1928; 1 spec. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50;
 13. 7. 1928; 10 spec. — 69°42' N. 57°22' W.; 215 m; "Godthaab" St. 49;
 13. 7. 1928; 2 spec. — 66°51' N. 57°40' W.; 680 m; "Godthaab" St. 39;
 3. 7. 1928; 10 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32;
 11. 7. 1895; 1 spec. — 66°21' N. 56°54' W.; 600—700 m; "Tjalfe" St.
 365; 18. 5. 1909; 10 spec. — 66°12' N. 57°16' W.; 686 m; "Tjalfe" St.
 366; 19. 5. 1909; ∞ spec. — 65°34' N. 54°31' W.; 128 m; "Ingolf"
 St. 29; 5. 7. 1895; 3 spec. — Exeter Sound, Totnes road; "Godthaab"
 St. 166; 17. 9. 1928; ∞ spec. — 65°16' N. 55°05' W.; 682 m; "Godthaab"
 St. 35; 18. 7. 1895; 20 spec. — 55°00' N. 56°34' W.; 314 m; "Godthaab"
 St. 14; 6. 6. 1928; ∞ spec.

Coastal waters: Olrik Fjord. — Granville Bugt. — Uvdle, Thule;
 32—45 m; Chr. Vibe; 30. 7. 1939; 2 spec. — Wolstenholme Fjord; Thule;
 70 m; Freuchen; 24. 7. 1912; 1 spec. — 76°24' N. 69°38' W.; 165 m;
 "Godthaab" St. 107; 15. 8. 1928; 1 spec. — 76°36' N. 68°34' W.; 180—
 80 m; "Godthaab" St. 86; 3. 8. 1928; 3 spec. — Upernavik; Olrik;
 4 spec. — Prøven; Olrik; 4 spec. — Umanak; Arsuq Fjord; Olrik;
 350 m; 4 spec. — Spraglebugt, Umanak; "Godthaab" St. vac.; ∞ spec.

— 70°51' N. 52°01' W.; 733 m; "Godthaab" St. 144; 5. 9. 1968; 680 m; ∞ spec. — Ritenbenk; Andersen; 6 spec. — Jakobshavn; Traustedt; 1892; 1 spec. — Godhavn; about 175 m; Andersen; 1 spec. — 69°41' N. 55°30' W.; 160 m; "Godthaab" St. 48; 13. 7. 1928; 5 spec. — Holsteinsborg; 60 m; Holm; 15. 7. 1884; 4 spec. — Ikertôq Fjord; 60 m; Holm; 1. 8. 1886; 6 spec. — Ameralik; 40 m; "Ingolf"; 23. 7. 1895; 4 spec. — Ameralik; Nûgârssûnguaq; "Ingolf"; 23. 7. 1895; 5 spec. — 64°07' N. 52°40' W.; 46 m; Riis-Carstensen; 28. 7. 1924; 4 spec. — Godthaab; Ørsted.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; 22. 6. 1911; 10 spec. — St. 4 B; 25 miles from the mouth; 48—26 m; stones; 27. 6. 1911; 6 spec. — St. 10 A; 44 miles from the mouth, at the entrance of a little bay; 58—58 m; 6. 7. 1911; ∞ spec. — St. 11 A; 53 miles from the mouth; 380—380 m; grey clay; 6. 7. 1911; 1 spec. — St. 11 B; 67—56 m; 6. 7. 1911; coarse sand with stones; 15 spec. — St. 19; the Sánerut bay; 40—20 m; grey clay with stones; 12. 7. 1911; 1 spec. — St. 22; the Ipiutarssuaq bay; 95—24 m; 14. 7. 1911; 3 spec. — St. 26; the bay at Itivdliarsuk; 33—50 m; stones; 24. 7. 1911; 3 spec. — St. 32; 5 miles W. S. W. of Sarfarssuaq; 35—20 m; 27. 7. 1911; 6 spec. — St. 33; 5 miles W. S. W. of Sarfarssuaq; 150—150 m; 27. 7. 1911; ∞ spec. — St. 34; a bay on the N.-side of Ipiutarssuaq; 8—21 m; clayei sand with algæ; 28. 7. 1911; 10 spec. — St. 35; a bay on the N.-side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 5 spec. — Bredefjord: St. 33; 220—100 m; stones without algæ; 16. 7. 1912; 10 spec. — St. 44; 190—165 m; pebbles with clay; 18. 7. 1912; 10 spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 5 spec. — St. 70; 290—225 m; stones and clay; 24. 7. 1912; ∞ spec. — St. 74; 200—90 m; stones and clay; 25. 7. 1912; 4 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 6 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; 4 spec. — St. 80; 365 m; fine clay with a few stones; 30. 7. 1912; 1 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; ∞ spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 15 spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 20 spec. — St. 96; 410 m; fine clay; 3. 8. 1912; 3 spec. — St. 97; 250—280 m; stony clay; 4. 8. 1912; 10 spec. — St. 103; 90—100 m; stones; 5. 8. 1912; ∞ spec. — St. 109; 125—140 m; stones, mud; 7. 8. 1912; 15 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 5 spec. — St. 111; 115—115 m; stony clay; 8. 8. 1912; 5 spec. — St. 117; 100—120 m; stones with a little clay; 10. 8. 1912; ∞ spec. — St. 134; 85—140 m; stones with a little clay; 29. 8. 1912; 3 spec. — Skovfjord: St. 138; 300—360 m; 1. 9. 1912; 5 spec. — St. 139; 280—300 m; clay without stones; 2. 9. 1912; 1 spec. — St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 15 spec. — St. 155; 220—about 400 m; stones, without clay; 15. 9. 1912; 1 spec.

Remarks: The species is very common all over the area, except in the southern part; it is noteworthy that it has not been taken along the coast south of Godthaab; it seems to avoid the deep parts of Davisstrædet and the Baffins Bugt. In both the fjord areas it penetrates to the very bottom of the fjords.

Distribution: Widely spread, horizontally as well as vertically and common all over the arctic and boreal, lusitanian and Atlantic area.

90. *Hyalinoecia tubicola* (O. FR. MÜLLER) 1789.

(Chart 18).

West-Greenland records:

1950. *Hyalinoecia tubicola* E. WESENBERG-LUND, p. 27.

Occurrence:

The open sea: 65°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 3 spec.

Remarks: Only found at one locality in the abyssal region of Davisstrædet.

Distribution: Not arctic; Atlantic and lusitanian.

Subfamily **Lumbriconereinæ** GRUBE.

91. *Lumbriconereis fragilis* (O. FR. MÜLLER) 1776.

(Chart 19; VIII; H; d.).

West-Greenland records:

1867. *Lumbrinereis fragilis* MALMGREN, p. 63.

1875. *Lumbrinereis fragilis* LÜTKEN, p. 171.

1883. *Lumbrinereis fragilis* LEVINSEN, p. 298.

1897. *Lumbriconereis fragilis* VANHÖFFEN, p. 222.

1914. *Lumbrinereis fragilis* DITLEVSEN, p. 694.

1937. *Lumbriconereis fragilis* DITLEVSEN, p. 27.

1950. *Lumbriconereis fragilis* E. WESENBERG-LUND, p. 27.

Occurrence:

The open sea: 77°17' N. 69°59' W.; 930 m; "Godthaab" St. 90; 5. 8. 1928; 1 spec. — 76°37' N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 1 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 1 spec. — 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 4 spec. — 72°33' N. 57°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 72°28' N. 60°42' W.; 730 m; "Godthaab" St. 57; 18. 7. 1928; 1 spec. — 69°51' N. 57°40' W.; 680 m; "Godthaab" St. 39; 3. 7. 1928; 5 spec. — 69°45' N. 58°25' W.; 320 m; "Godthaab" St. 51;

14. 7. 1928; 2 spec. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50;
 13. 7. 1928; 1 spec. — 66°37' N. 56°37' W.; 450 m; "Dana" St. 2346;
 22. 6. 1925; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32;
 11. 7. 1895; ∞ spec. — 63°09' N. 56°43' W.; 2000 m; Wandel; 1882;
 3 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895;
 ∞ spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895;
 3 spec.

Coastal waters: Discovery Bay; 10 m. — Off Hareøen; about 350 m. — Qarajaqs Isfjord. — Jakobshavn; Traustedt; 4 spec. — Godhavn; Orlík; 1 spec. — Ritenbenk; Andersen; 1 spec. — Disko, Godhavn harbour; about 30 m. — 69°41' N. 55°01' W.; 80 m; "Godthaab" St. 47; 13. 7. 1928; 1 spec. — 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 17. 1928; 1 spec. — Godthaab. — Julianehaab.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze, a few stones and rocks; 23. 6. 1911; 2 spec. — St. 9 B; 37 miles from the mouth; 535—500 m; ooze; 6. 7. 1911; 2 spec. — St. 11 B; 53 miles from the mouth; 67—56 m; coarse sand with pebbles; 6. 7. 1911; 4 spec. — St. 21 B; 63 miles from the mouth; 325—325 m; stones; 14. 7. 1911; 1 spec. — St. 35; bay at the N.-side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 1 spec. — Kvanefjord: St. 5; 420 m; ooze, a few stones; 23. 6. 1912; 1 spec. — St. 6; 45 m; shell-gravel; 23. 6. 1912; 3 spec. — Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — St. 49; 490—490 m; ooze; 19. 7. 1912; 2 spec. — St. 76; 320—360 m; stony clay; 25. 7. 1912; 1 spec. — St. 84; 200 m. w.; 31. 7. 1912; 1 spec. — St. 96; 410 m; fine clay; 3. 8. 1912; 2 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 1 spec.

Remarks: All over the area, mainly inside the 1.000 m line; enters the fjords and penetrates almost to their heads.

Distribution: In all arctic regions; boreal; lusitanian.

92. *Lumbriconereis impatiens* CLAPARÈDE 1868.

(Chart 19).

West-Greenland records:

1950. *Lumbriconereis impatiens* E. WESENBERG-LUND, p. 27.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 3 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 61°50' N. 56°21' W.; 7202 m; "Ingolf" St. 36; 28. 7. 1895; 3 spec.

Remarks: The species is scarce in the arctic; the here published localities are the hitherto only known.

Distribution: Lusitanian; Mediterranean.

93. *Lumbriconereis minuta* THÉEL 1879.

(Chart 19; H.).

West-Greenland records:

1937. *Lumbriconereis minuta* DITLEVSEN, p. 28.

1950. *Lumbriconereis minuta* E. WESENBERG-LUND, p. 28.

Occurrence:

The open sea: 69°46' N. 59°43' W.; 930 m; "Godthaab" St. 52; 14. 7. 1928; 1 spec. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 1 spec. — 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 10 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 3 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166 b; 16. 9. 1928; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec.

Coastal waters: 69°17' N. 52°50' W.; about 400 m; "Tjalfe" St. 117; 15. 7. 1908; ∞ spec.

The fjords: Bredefjord: St. 44; 190—165 m; small stones and clay; 18. 7. 1912; 2 spec. — St. 120; about 750 m; clay with pebbles; 25. 8. 1912; 1 spec. — Skovfjord: St. 146; 305—310 m; stony clay; 5. 9. 1912; 5 spec.

Remarks: Not found north of the 70° N. Lat.; a few localities in the Bredefjord area.

Distribution: Formerly reported from the arctic, from Spitsbergen; boreal and lusitanian.

94. *Lumbriconereis latreilli* (AUDOUIN & EDWARDS) 1834.

(Chart 19; VIII; H.).

West-Greenland records:

1950. *Lumbriconereis latreilli* E. WESENBERG-LUND, p. 28.

Occurrence:

The open sea: 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec. — 66°50' N. 54°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; 2 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 2 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 2 spec. — 63°48' N. 52°23' W.; 194 m; "Tjalfe" St. 40 c; 10. 6. 1908;

1 spec. — 63°30' N. 54°24' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895;
 ∞ spec.

The fjords: Nordre Strømfjord: St. 21 B: 63 miles from the mouth; 325—325 m; stones; 14. 7. 1911; 1 spec. — Bredefjord: St. 40; 170—180 m; shell-gravel with stones; 17. 7. 1912; 1 spec. — St. 43; the surface; 17. 7. 1912; 1 spec. — St. 55; 330—310 m; clay with pebbles; 20. 7. 1912; 3 spec. — St. 70; 290—225 m; stones and clay; 24. 7. 1912; 1 spec.

Remarks: Not north of the 67° N. Lat.; nowhere in really abyssal depths; in the outermost part of Bredefjord.

Distribution: Boreal; lusitanian.

95. *Lumbriconereis vanhoeffeni* MICHAELSEN 1898.

West-Greenland records:

1898. *Lumbriconereis vanhoeffeni* MICHAELSEN, p. 123.

1914. *Lumbriconereis vanhoeffeni* DITLEVSEN, p. 695.

Occurrence:

Qarajaqs Isfjord.

Distribution: Only known from the above mentioned locality.

96. *Drilonereis filum* (CLAPARÈDE) 1868.

(Chart 19).

West-Greenland records:

1950. *Drilonereis filum* E. WESEBERG-LUND, p. 28.

Occurrence:

The open sea: 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec.

Remarks: The single locality in Greenland waters.

Distribution: Atlantic; lusitanian.

97. *Paracticus littoralis* LEVINSEN 1879.

(Chart 19).

West-Greenland records:

1879. *Paracticus littoralis* LEVINSEN, p. 11.

1883. *Paracticus littoralis* LEVINSEN, p. 299.

1897. *Paracticus littoralis* VANHÖFFEN, p. 222.

1914. *Paracticus littoralis* DITLEVSEN, p. 695.

Occurrence:

Egedesminde.

Remarks: The hitherto only known specimens are from the above mentioned locality and from Jan Mayen, east of Greenland.

POLYCHÆTA SEDENTARIA

Family *Ariciidæ* AUDOUIN & EDWARDS.

98. *Scoloplos armiger* (O. FR. MÜLLER) 1776.

(Chart 20; IX; J.).

West-Greenland records:

1843. *Scoloplos armiger* ØRSTED, p. 201.
1867. *Scoloplos armiger* MALMGREN, p. 72.
1875. *Scoloplos armiger* LÜTKEN, p. 201.
1877. *Scoloplos armiger* Mc'INTOSH, p. 504.
1883. *Arica armiger* LEVINSEN, p. 304.
1897. *Aricia armiger* VANHÖFFEN, p. 223.
1914. *Aricia armiger* DITLEVSEN, p. 705.
1937. *Scoloplos armiger* DITLEVSEN, p. 28.
1950. *Scoloplos armiger* E. WESENBERG-LUND, p. 29.

Occurrence:

The open sea: 69°44'4" N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 1 spec. — 69°41'3" N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — 67°50' N. 55°27' W.; 40 m; "Valorous"; shells with sand. — 64°02' N. 52°25' W.; 38 m; Riis-Carstensen; 27. 7. 1926; 3 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 2 spec. — 63°09' N. 56°43' W.; 2000 m; "Valorous"; mud.

Coastal waters: Umanak. — 69°17' N. 52°50' W.; 430 m; fat clay; "Tjalfe" St. 117; 15. 7. 1908; 3 spec. — Jakobshavn; Bergendal; 5 spec. — Jakobshavn, near the Isfjord; 30 m; Ad. S. Jensen; 27. 6. 1906; 1 spec. — Godhavn; Bergendal; 10 spec. — Egedesminde; Bergendal; 10 spec. — Holsteinsborg. — Færingehavn, at Godthaab; "Godthaab"; 17. 6. 1928; 2 spec. — Julianehaab. — Sigssarigsoq Fjord at Nanortalik; Bernburg; 1 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with a few stones and rocks; 23. 6. 1911; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 1 spec.

Remarks: Not north of Umanak (about 71° N. Lat.) mainly on the shelf and the off-shore banks and inside the skerries.

Distribution: Evidently circumpolar; one of the most widely spread polychætes of all.

99. *Nainereis quadricuspida* (O. FABRICIUS) 1780.

(Chart 20).

West-Greenland records:

1780. *Nais quadricuspida* O. FABRICIUS, p. 315.
 1843. *Scoloplos quadricuspida* ØRSTED, p. 200.
 1867. *Naidonereis quadricuspida* MALMGREN, p. 73.
 1875. *Naidonereis quadricuspida* LÜTKEN, p. 171.
 1877. *Naidonereis quadricuspida* Mc'INTOSH, p. 504.
 ?1897. *Aricia quadricornis* ØRSTED (= *A. quadricuspida* ØRST.; LEV.) VANHÖFFEN
 p. 223.
 1914. *Aricia quadricuspida* DITLEVSEN, p. 706.
 1950. *Nainereis quadricuspida* E. WESENBERG-LUND, p. 29.

Occurrence:

The open sea: 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec. — 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 2 spec. — 63°09' N. 56°43' W.; "Valorous"; ooze.

Coastal waters: Ritenbenk; Andersen; 10 spec. — Godhavn; Olrik; Kruise; 10 spec. — Holsteinsborg; Traustedt; ∞ spec. — Kapisigdlit; 5—6 m; Fr. Johansen; 16. 10. 1930; 3 spec. — At Qagssimiut; 60°45' N. 44°10' W.; 1,5 m; Fr. Johansen; 4. 11. 1931; 1 spec.

Remarks: South of 70° N. Lat. mainly outside the abyssal regions.

Distribution: Widely distributed in the Arctic, but not so abundant as the preceding species. Boreal, lusitanian.

In Greenlandic: Pullateriak.

100. *Aricia kupfferi* EHLERS 1874.

(Chart 20).

West-Greenland records:

1905. *Aricia kupfferi* Mc'INTOSH, p. 50.
 1950. *Aricia kupfferi* E. WESENBERG-LUND, p. 29.

Occurrence:

The open sea: 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 25. 6. 1895; 2 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Remarks: Both finding places in the southern, abyssal part of Davisstrædet.

Distribution: Arctic, boreal; lusitanian and Mediterranean.

101. *Aricia norvegica* Sars 1873.

(Chart 20).

West-Greenland records:

1877. *Aricia groenlandica* Mc'INTOSH, p. 504.
 1883. *Aricia norvegica* LEVINSEN, p. 304.
 1897. *Aricia norvegica* VANHÖFFEN, p. 223.
 1914. *Aricia norvegica* DITLEVSEN, p. 706.

Occurrence:

The open sea: 67°50' N. 55°27' W.; about 20 m; sand with shells; "Valorous".

Remarks: The single find on Store Hellefiskebanke is published by Mc'INTOSH.

Distribution: Arctic; North America; Scandinavia.

Family **Spionidæ** Sars.102. *Laonice cirrata* (M. Sars) 1850.

(Chart 21; IX; J.).

West-Greenland records:

1867. *Scolecoplepis cirrata* MALMGREN, p. 91.
 1875. *Scolecoplepis cirrata* LÜTKEN, p. 173.
 1877. *Scolecoplepis cirrata* Mc'INTOSH, p. 506,
 1883. *Spio cirrata* LEVINSEN, p. 303.
 1897. *Spio cirrata* VANHÖFFEN, p. 224.
 1914. *Spio cirrata* DITLEVSEN, p. 704.
 1937. *Laonice cirrata* DITLEVSEN, p. 29.

Occurrence:

The open sea: 69°44'4" N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 1 spec. — 64°05' N. 56°47' W.; about 800 m; sandy mud; "Valorous".

Coastal waters: Augpalârtoq, N. of Upernavik. — Umanak. — 70°30' N. 54°41' W.; off Disko; "Valorous". — Off Hareøen, Disko; "Valorous". — Jakobshavn; Bergendal; 1 spec. — Julianehaab.

The fjords: Nordre Strømfjord: St. 9 A; 37 miles from the mouth; 535—500 m; ooze; 6. 7. 1911; 4 spec. — St. 11 A; 53 miles from the mouth; 380—380 m; grey clay; 6. 7. 1911; 2 spec. — St. 11 D; 380—360 m; 29. 7. 1911; 4 spec. — St. 21 B; 63 miles from the mouth; 325—325 m; stones; 14. 7. 1911; 5 spec. — St. 35; bay at the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 1 spec. — Bredefjord: St. 111; 115—115 m; stony clay; 8. 8. 1912; 1 spec.

Remarks: The species is found from Upernavik to Julianehaab but with very wide interspaces and it does not seem to be common in West-Greenland.

Distribution: The species has a wide range in the Arctic; it occurs often in considerable depths. Boreal, Atlantic; Mediterranean.

103. *Pygospio elegans* CLAPARÈDE 1863.

West-Greenland records:

1940. *Pygospio elegans* H. MADSEN, p. 10.

Remarks: MADSEN (loc. cit.) mentions: "the frequent occurrence of the polychæte *Pygospio elegans*, which he it said, seems to be new to Greenland" without giving further details as regards localities.

Distribution: Scarce in the Arctic; boreo-arctic; boreal; lusitanian.

104. *Spio filicornis* (O. FR. MÜLLER) 1776.
(Chart 21; IX; J.).

West-Greenland records:

1780. *Nereis filicornis* O. FABRICIUS, p. 307.

1843. *Spio filicornis* ØRSTED, p. 205.

1867. *Spio filicornis* MALMGREN, p. 91.

1875. *Spio filicornis* LÜTKEN, p. 173.

1883. *Spio filicornis* LEVINSEN, p. 303.

1897. *Spio filicornis* VANHÖFFEN, p. 224.

1898. *Spio filicornis* MICHAELSEN, p. 128.

1914. *Spio filicornis* DITLEVSEN, p. 703.

1950. *Spio filicornis* E. WESEBERG-LUND p. 30.

Occurrence:

The open sea: 64°01' N. 52°40' W.; 48 m; Riis-Carstensen; 28. 7. 1926; 6 spec.

Coastal waters: Kingigtoq, Qaersorssuaq; 22 m; Salomonsen; 5. 7. 1936; 1 spec. — The harbour, Langø, off Upernavik; 13 m; Salomonsen; 12. 6. 1936; 1 spec. — Sigridshavn, Langø; 19,5 m; Salomonsen; 21. 7. 1936; 1 spec. — The harbour, Upernavik; 20,5 m; Salomonsen; 18. 6. 1936; 1 spec. — The strait between Langø and the Upernavik island, Fuglehullet; 20 m; stones, mud, algæ; Fr. Johansen; 2. 8. 1931; 4 spec. — Qarajaqs Isfjord. — Godhavn; Olrik; 2 spec. — Egedesminde; Bergendal; 1890; ∞ spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with a few stones and rocks; 23. 6. 1911; 1 spec. — Bredefjord: St. 82; 80—90 m; glacier-clay; 30. 7. 1912; 20 spec.

Remarks: Especially common in the neighbourhood of Upernavik;

otherwise some few sporadic finds along the coast, everywhere in shallow waters. A single find in each of the fjords.

Distribution: Most probably circumpolar; boreal; lusitanian.
In Greenlandic: Iglolualik.

105. *Spio seticornis* (O. FABRICIUS) 1780.

West-Greenland records:

1780. *Nereis seticornis* FABRICIUS, p. 306.
1843. *Spio seticornis* ØRSTED, p. 203.
1867. *Spio seticornis* MALMGREN, p. 92.
1875. *Spio seticornis* LÜTKEN, p. 173.
1883. *Spio seticornis* LEVINSEN, p. 303.
1897. *Spio seticornis* VANHÖFFEN, p. 224.
1914. *Spio seticornis* DITLEVSEN, p. 703.

Occurrence:

Greenland.

Remarks: This species has been described by FABRICIUS on specimens from West-Greenland; he gives, however, no further particulars of localities, and as far as I can see the recent literature does not mention new finds. In the collections examined by me it was not present.

Distribution: Boreal; lusitanian.

In Greenlandic: Iglolualik.

106. *Spio jeffreysi* (Mc'INTOSH) 1877.
(Chart 21).

West-Greenland records:

1877. *Scolecopsis jeffreysi* Mc'INTOSH, p. 506.
1914. *Spio jeffreysi* DITLEVSEN, p. 703.

Occurrence:

The open sea: 67°50' N. 55°27' W.; about 40 m; "Valorous".

Remarks: The species is only known from the afore-mentioned locality.

107. *Spiophanes krøyeri* GRUBE 1860.
(Chart 21).

West-Greenland records:

1867. *Spiophanes krøyeri* MALMGREN, p. 94.
1875. *Spiophanes krøyeri* LÜTKEN, p. 173.
1883. *Spiophanes krøyeri* LEVINSEN, p. 302.
1897. *Spiophanes krøyeri* VANHÖFFEN, p. 223.
1914. *Spiophanes krøyeri* DITLEVSEN, p. 703.

Occurrence:

Coastal waters: Julianehaab.

Remarks: Only this single find in West-Greenland, published by MALMGREN.

Distribution: Scandinavia.

108. *Polydora ciliata* JOHNSTON 1865.

(Chart 21).

West-Greenland records:

1883. *Polydora ciliata* LEVINSEN, p. 302.1897. *Polydora ciliata* VANHÖFFEN, p. 224.1914. *Polydora ciliata* DITLEVSEN, p. 702.

Occurrence:

Coastal waters: ?Qarajaq.

Remarks: In the collections of the museum are kept a shell of *Pecten islandicus* and another of *Saxicava arctica* both labelled Greenland. They are both pierced by *Polydora ciliata*, determined by LEVINSEN.

Distribution: Boreal; lusitanian.

109. *Polydora coeca* (ØRSTED) 1843.

(Chart 21).

West-Greenland records:

1950. *Polydora coeca* E. WESENBURG-LUND, p. 30.

Occurrence:

The open sea: 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 5 spec.

Coastal waters: The harbour, Langø, off Upernavik; 13 m and 19,5 m; Salomonsen; St. A₄ and St. A₆; 12. 6. 1936; clay with stones; about 20 spec. — Sigridshavn; Langø; 12 m and 10 m; Salomonsen; St. F₂ and F₆; clay mixed with sand; 21. 7. 1936; about 30 spec.

Remarks: The species seems to be common in the tract round Upernavik; furthermore a single find off Godthaab; everywhere in shallow water.

Distribution: Not common in arctic regions; boreal; lusitanian.

110. *Prionospio cirrifera* WIRÉN 1883.

(Chart 21).

West-Greenland records:

1950. *Prionospio cirrifera* E. WESENBURG-LUND, p. 31.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 3 spec.

Remarks: A single find from deep water in the southern part of Davisstrædet.

Distribution: Arctic; boreal; lusitanian.

111. *Prionospio steenstrupi* MALMGREN 1867.
(Chart 21).

West-Greenland records:

1877. *Prionospio steenstrupi* MC'INTOSH, p. 507.
1883. *Prionospio steenstrupi* LEVINSEN, p. 302.
1897. *Prionospio steenstrupi* VANHÖFFEN, p. 223.
1898. *Prionospio steenstrupi* MICHAELSEN, p. 129.
1914. *Prionospio steenstrupi* DITLEVSEN, p. 702.
1950. *Prionospio steenstrupi* E. WESENBERG-LUND, p. 31.

Occurrence:

The open sea: 69°31' N. 56°10' W.; about 3000 m; Globigerina-clay; "Valorous".

Coastal waters: Godhavn; 3 spec. — 69°17' N. 52°50' W.; 225 m and 450 m; "Tjalfe" St. 117 and "Tjalfe" St. 118; 15. 7. 1908; ∞ spec. — Jakobshavn; Bergendal; 2 spec.

Remarks: This species is hitherto only found in the waters round the southern coast of the Island Disko and at Jakobshavn.

Distribution: Not common in the Arctic; boreal, boreo-arctic; belongs to the fauna of soft bottoms.

Family Paraonidæ CERRUTI.

112. *Aricidea suecica* ELIASON 1920.
(Chart 20).

West-Greenland records:

1950. *Aricidea suecica* E. WESENBERG-LUND, p. 32.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 4 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 4 spec.

Remarks: Two interesting finds in the southern abysal part of Davisstrædet.

Distribution: Danish and Swedish waters.

Family Chætopteridæ AUDOUIN & M. EDWARDS.

113. *Spiochætopterus typicus* M. SARRS 1856.

(Chart 20; IX; J; e.).

West-Greenland records:

1867. *Spiochætopterus typicus* MALMGREN, p. 89.
 1875. *Spiochætopterus typicus* LÜTKEN, p. 173.
 1883. *Spiochætopterus typicus* LEVINSSEN, p. 303.
 1897. *Spiochætopterus typicus* VANHÖFFEN, p. 224.
 1914. *Spiochætopterus typicus* DITLEVSEN, p. 704.
 1937. *Spiochætopterus typicus* DITLEVSEN, p. 30.
 1950. *Spiochætopterus typicus* E. WESENBURG-LUND, p. 33.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 5 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 2 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 3 spec.

Coastal waters: Jakobshavn, near the Isfjord; Ad. S. Jensen; 27. 8. 1906; 1 spec. — Jakobshavn; Bergendal; 5 spec. — 69°17' N. 53°04' W.; 225 m and 450 m; "Tjalfe" St. 117 and 118; fat clay; 15. 7. 1908; ∞ spec. — 63°54' N. 53°15' W.; 988—1400 m; "Tjalfe" St. 429; 8. 6. 1909; 3 spec. — Ameragdla; "Ingolf" St. vac.; 27. 7. 1895; 6 spec. — Julianehaab Fjord, near the colony; 280 m; 26. 7. 1930; 10 spec.

The fjords: Nordre Strømfjord: St. 23; Ugssuit Bredning; 50—52 m; fine, grey, clay; 16. 7. 1911; 1 spec. — Kvanefjord: St. 3; 210—255 m; clay with stones; 22. 6. 1912; 6 spec. — St. 6; 45—37 m; shell-gravel; 23. 6. 1912; ∞ spec. — St. 7; 230—210 m; stones, clay; 25. 6. 1912; ∞ spec. — St. 11; 290—320 m; stony clay; 26. 6. 1912; ∞ spec. — St. 23; 410—200 m; clay with stones; 29. 6. 1912; ∞ spec. — St. 25; 115 m; clay with stones; 3. 7. 1912; 1 spec. — Bredefjord: St. 33; 220—100 m; stones without algæ; 16. 7. 1912; 3 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 3 spec. — St. 74; 200—90 m; stones, clay; 25. 7. 1912; 1 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 6 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 6 spec. — St. 97; 250—380 m; stony clay; 4. 8. 1912; 1 spec. — St. 98; 520—560 m; fine clay with a few stones; 4. 8. 1912; 3 spec. — St. 103; 90—100 m; stones; 5. 8. 1912; 1 spec. — St. 112; 20—30 m; stony clay; 8. 8. 1912; 1 spec. — Skovfjord: St. 146; 305—310 m; stony clay; 5. 7. 1912; 1 spec.

Remarks: In West-Greenland south of Disko both in abyssal and in shallow waters. One single find at the head of Nordre Strømfjord; more evenly spread over Brede- and Kvanefjord.

Distribution: Very common in the arctic; most probably circumpolar; boreo-arctic; boreal; lusitanian; Mediterranean.

Family Cirratulidæ CARUS.

114. *Cirratulus cirratus* O. FR. MÜLLER 1776.

(Chart 22).

West-Greenland records:

1780. *Lumbricus cirratus* FABRICIUS, p. 281.
 1843. *Cirratulus borealis* ØRSTED, p. 206.
 1875. *Cirratulus cirratus* LÜTKEN, p. 173.
 1877. *Cirratulus cirratus* MC'INTOSH, p. 507.
 1883. *Cirratulus cirratus* LEVINSEN, p. 304.
 1897. *Cirratulus cirratus* VANHÖFFEN, p. 223.
 1898. *Cirratulus cirratus* MICHAELSEN, p. 128.
 1914. *Cirratulus cirratus* DITLEVSEN, p. 705.
 1937. *Cirratulus cirratus* DITLEVSEN, p. 30.
 1950. *Cirratulus cirratus* E. WESENBERG-LUND, p. 33.

Occurrence:

The open sea: 75°54' N. 81°01' W.; 610 m; "Godthaab" St. 119;
 17. 8. 1928; 1 spec. — 69°46' N. 59°43' W.; 930 m; "Godthaab" St. 52;
 14. 8. 1928; 1 spec. — 63°30' N. 54°65' W.; 1096 m; "Ingolf" St. 25;
 26. 6. 1895; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24;
 25. 6. 1895; 1 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36;
 28. 7. 1895; 1 spec.

Coastal waters: Thule harbour; 40 m; "Godthaab"; 2. 8. 1928;
 5 spec. — Qarajaqs Isfjord. — Ritenbenk; Andersen; 3 spec. — God-
 havn; Olrik; 5 spec. — Egedesminde; 4 spec. — Holsteinsborg; Bergendal;
 2 spec. — Godthaab; 10 m; Holm; 3. 7. 1886; 4 spec.

Remarks: Distributed from Thule to Godthaab; more arctic and more abyssal than the following species.

Distribution: Most probably circumpolar; boreal and lusitanian.
 In Greenlandic: Nyaurselik.

115. *Chætozone setosa* MALMGREN 1867.

(Chart 22).

West-Greenland records:

1883. *Chætozone setosa* LEVINSEN, p. 303.
 1897. *Chætozone setosa* VANHÖFFEN, p. 223.
 1898. *Chætozone setosa* MICHAELSEN, p. 128.
 1914. *Chætozone setosa* DITLEVSEN, p. 704.

1937. *Chætozone setosa* DITLEVSEN, p. 31.

1950. *Chætozone setosa* E. WESENBERG-LUND, p. 34.

Occurrence:

The open sea: 72°30' N. 59°02'5 W.; 245 m; "Godthaab" St. 60; 21. 7. 1928; 1 spec.

Coastal waters: Qarajaqs Isfjord. — Jakobshavn; Bergendal; 1890; 1 spec. — Godhavn; Olrik; 10 spec. — 64°02' N. 52°40' W.; 180 m; Riis-Carstensen; 27. 7. 1926; 3 spec. — 64°02' N. 52°25' W.; 85 m; Riis-Carstensen; 27. 7. 1926; 5 spec. — 64°01' N. 52°40' W.; 51 m; Riis-Carstensen; 28. 7. 1926; 2 spec.

Remarks: Mainly a low water form from the littoral zone or the off-shore banks; in a rather restricted area; from about 73° to 64° N. Lat. None of the two West-Greenland Cirratulids occur in the fjords.

Distribution: Arctic; boreal, lusitanian.

116. *Flabelligera affinis* SARS 1829.

(Chart 23; IX; J.).

West-Greenland records:

1867. *Flabelligera affinis* MALMGREN, p. 83.

1875. *Flabelligera affinis* LÜTKEN, p. 172.

1877. *Flabelligera affinis* Mc'INTOSH, p. 506.

1883. *Flabelligera affinis* LEVINSEN, p. 305.

1889. *Flabelligera affinis* HOLM, p. 157.

1897. *Flabelligera affinis* VANHÖFFEN, p. 224.

1898. *Flabelligera affinis* MICHAELSEN, p. 129.

1902. *Flabelligera affinis* MOORE, p. 275.

1914. *Flabelligera affinis* DITLEVSEN, p. 708.

1937. *Flabelligera affinis* DITLEVSEN, p. 31.

1939. *Flabelligera affinis* VIBE, p. 10; p. 24.

1948. *Flabelligera affinis* STØP-BOWITZ, p. 32.

1950. *Flabelligera affinis* E. WESENBERG-LUND, p. 35.

Occurrence:

The open sea: 78°15'5 N. 73°29' W.; 290 m; "Godthaab" St. 97; 8. 8. 1928; 10 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 3 spec. — 66°50' N. 57°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; 1 spec. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 4 spec. — 60°22' N. 47°27' W.; 135 m; "Godthaab" St. 188; 18. 8. 1928; 1 spec.

Coastal waters: Thule harbour; 14 m; Salomonsen; 14. 5. 1936; 1 spec. — 76°36' N. 68°54' W.; 80—180 m; "Godthaab" St. 86; 4. 8. 1928; 10 spec. — 76°24' 8 N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 1 spec. — Kap York; about 20 m. — The harbour at the western side of the Qutdlikorssuit Peninsula; 30 m; Fr. Johansen; 10. 8.

1931; 2 spec. — The bay E. of Tasiussaq harbour; N. of Upernavik; 10 m; Fr. Johansen; 20. 8. 1931; 2 spec. — The bay off the inlet of Tasiussaq, Upernavik; 30 m; Fr. Johansen; 8. 8. 1931; 2 spec. — Upernavik. — The harbour, Langø, Upernavik; 3,5 m; Salomonsen; 12. 6. 1936; 4 spec. — Sigridthavn; Langø; 12 m; Salomonsen; 21. 7. 1936; 1 spec. — Prøven harbour; 10—30 m; Holm; 21. 7. 1881; 1 spec. — Augpalârtoq. — Umanak. — Qarajaqs Isfjord. — Smallesund. — Ritenbenk; Andersen; 1 spec. — Kingigtoq, Jakobshavn; Traustedt; 3. 8. 1892; 1 spec. — Godhavn; Olrik; 3 spec. — Egedesminde; 50—70 m; Bergendal; 1890; 6 spec. — Holsteinsborg; "Valorous". — Ikertôq Fjord; 60 m; Holm; 1. 8. 1886; 1 spec. — Godthaab; Ryder; 1 spec. — Godthaab harbour; 30 m; Holm; 22. 8. 1886; 1 spec. — Julianehaab; Poul M. Hansen; 1929; 3 spec. — Narssâraq. — Sigssarigsoq Fjord at Nanortalik; Bernburg; 1903; 1 spec.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 1 spec. — Bredefjord: St. 104; 7—20 m; Laminaria; 5. 8. 1912; 1 spec. — Skovfjord: St. 136; Narssaq harbour; 6 m; black foul mud; 30. 8. 1912; 1 spec. — St. 142; 14—18 m; algæ and gravel; 2. 9. 1912; 1 spec. — St. 156; 70—140 m; stones with barnacles; 15. 9. 1912; 1 spec.

Remarks: Throughout the West-Greenland area, especially in the littoral zone and on the shelf.

Distribution: Circumpolar; very common in the arctic; boreal and boreo-arctic.

117. *Flabelligera infundibularis* JOHNSON 1901.

(Chart 23).

West-Greenland records:

1902. *Flabelligera infundibularum* MOORE, p. 275.

1914. *Flabelligera infundibularum* DITLEVSEN, p. 708.

1948. *Flabelligera infundibularis* STØP-BOWITZ, p. 33.

Occurrence:

Coastal waters: Mc'Cormick Bugt.

Remarks: A single find on the northern side of Inglefield Bredning, published by MOORE.

Distribution: North America.

118. *Stylarioides plumosa* (O. FR. MÜLLER) 1776.

(Chart 23; IX; J.).

West-Greenland records:

1780. *Amphitrite plumosa* FABRICIUS, p. 288.

1867. *Trophonia plumosa* MALMGREN, p. 82.

1875. *Trophonia plumosa* LÜTKEN, p. 172.
 1877. *Trophonia plumosa* Mc'INTOSH, p. 506.
 1883. *Trophonia plumosa* LEVINSEN, p. 305.
 1897. *Trophonia plumosa* VANHÖFFEN, p. 224.
 1914. *Trophonia plumosa* DITLEVSEN, p. 709.
 1937. *Trophonia plumosa* DITLEVSEN, p. 32.
 1948. *Pherusa plumosa* STØP BOWITZ, p. 35.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 73°33'5 N. 57°36' W.; 190 m; "Godthaab" St. 61; 11. 8. 1928; 1 spec. — 73°30' N. 59°02' W.; 245 m; "Godthaab" St. 60; 11. 8. 1928; 1 spec. — Totness Road, Exeter Sound; 100 m; "Godthaab" St. 166 c. 17. 9. 1928; 4 spec.

Coastal waters: 76°24'8 N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 1 spec. — Prøven. — Hareøen, Disko; about 300 m; "Valorous". — Ritenbenk; Andersen; 1868; 2 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with a few stones; 23. 6. 1911; ∞ spec. — St. 3 c; 17 miles from the mouth; 200—240 m; 25. 6. 1911; 1 spec. — Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 1 spec.

Remarks: From Thule to Bredefjord, throughout the area; numerous at a single locality in Nordre Strømfjord.

Distribution: Common in arctic areas; boreal, lusitanian.

In Greenlandic: Merkolualik.

119. *Diplocirrus hirsutus* ARM. HANSEN 1882.

(Chart 23).

West-Greenland records:

1950. *Diplocirrus hirsutus* E. WESEBERG-LUND, p. 35.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 6. 1895; 1 spec. — 64°02' N. 52°25' W.; 85 m; Riis-Carstensen; 27. 7. 1926; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 5. 1895; 1 spec.

Remarks: The species seems to be restricted to the submarine ridge between C. Walsingham and Holsteinsborg-Godthaab; it has not been found in the fjords.

Distribution: Mainly arctic.

120. *Brada villosa* (RATHKE) 1843.

(Chart 22; IX; J.).

West-Greenland records:

1875. *Brada villosa* LÜTKEN, p. 172.
 1883. *Brada villosa* LEVINSEN, p. 305.
 1897. *Brada villosa* VANHÖFFEN, p. 224.
 1898. *Brada villosa* MICHAELSEN, p. 129.
 1914. *Brada villosa* DITLEVSEN, p. 709.
 1937. *Brada villosa* DITLEVSEN, p. 33.
 1939. *Brada villosa* VIBE, p. 10; p. 14.
 1948. *Brada villosa* STØP-BOWITZ, p. 41.
 1950. *Brada villosa* E. WESENBERG-LUND, p. 35.
 1950. *Brada villosa* VIBE p. 97.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 2 spec.

Coastal waters: Qanaq; 20 m; 25. 8. 1930; Vibe. — Olrik Fjord; Thule; 4 m; Vibe; 2. 9. 1939; 2 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 85; 4. 8. 1928; 2 spec. — Qarajaqs Isfjord.

The fjords: Nordre Strømfjord: St. 3 C; 17 miles from the mouth; 325—350 m; 25. 6. 1911; 1 spec. — Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — St. 127; 10—15 m; gravel, clay; 26. 8. 1912; 1 spec.

Remarks: All over the area, mostly in depths beyond 3—400 m; in coastal waters it penetrates much farther northwards than in the open sea. In the outer parts of both Nordre Strømfjord and Bredefjord.

Distribution: Boreal, lusitanian, Mediterranean.

121. *Brada granulata* MALMGREN 1867.

(Chart 22; IX; J.).

West-Greenland records:

1867. *Brada granulata* MALMGREN, p. 85.
 1875. *Brada granulata* LÜTKEN, p. 172.
 1883. *Brada granulata* LEVINSEN, p. 305.
 1897. *Brada granulata* VANHÖFFEN, p. 224.
 1914. *Brada granulata* DITLEVSEN, p. 710.
 1937. *Brada granulata* DITLEVSEN, p. 32.
 1948. *Brada inhabilis* STØP-BOWITZ, p. 44.
 1950. *Brada granulata* E. WESENBERG-LUND, p. 36.

Occurrence:

The open sea: 78°15'5 N. 73°29' W.; 290 m; "Godthaab" St. 97; 8. 8. 1928; 4 spec. — 76°37'4 N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 1 spec. — 69°30' N. 56°32' W.; 202 m; "Dana" St. 2363; 27. 6. 1925; 20 spec. — Totness Road, Exeter Sound; 100 m; "Godthaab" St. 166 c; 17. 9. 1928; 15 spec. — 65°27' N. 54°45' W.; 120 m; Wandel; 1889; 6 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 1 spec. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 1 spec.

Coastal waters: 76°24'8 N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 1 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 15 spec. — Prøven; Olrik; 1 spec. — Sigrids-havn, Langø, Upernavik; 5—15 m; Salomonsen; 21. 7. 1936; 3 spec. — Disko; Traustedt; 1892; 1 spec. — Ritenbenk; Andersen; 1 spec. — Egedesminde; Traustedt; 1892; 1 spec. — Sukkertoppen. — Godthaab.

The fjords: Nordre Strømfjord: St. 4 A; 25 miles from the mouth; 400—410 m; mud with stones; 27. 6. 1911; 1 spec. — Bredefjord: St. 49; 490—490 m; ooze; 19. 7. 1912; 1 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec.

Remarks: All over the area; a few finds in each of the fjords.

Distribution: Common in arctic waters; more restricted to the cold area than the preceding species of the genus; boreal.

122. *Brada inhabilis* (RATHKE) 1843.

West-Greenland records:

1881. *Brada inhabilis* VERRILL, p. 294.
 1883. *Brada inhabilis* LEVINSEN, p. 305.
 1897. *Brada inhabilis* VANHÖFFEN, p. 224.
 1914. *Brada inhabilis* DITLEVSEN, p. 709.

Occurrence:

West-Greenland.

Remarks: No further locality than West-Greenland is given in the available literature. The species is probably identic with *B. granulata* MLMGR.

Family *Scalibregmidæ* MALMGREN.123. *Scalibregma inflatum* RATHKE 1843.

(Chart 24; J.).

West-Greenland records:

1867. *Scalibregma inflatum* MALMGREN, p. 77.
 1875. *Scalibregma inflatum* LÜTKEN, p. 172.

1877. *Scalibregma inflatum* Mc'INTOSH, p. 506.
 1883. *Scalibregma inflatum* LEVINSEN, p. 306.
 1897. *Scalibregma inflatum* VANHÖFFEN, p. 222.
 1898. *Scalibregma inflatum* MICHAELSEN, p. 127.
 1898. *Scalibregma inflatum* var. *corethurus* MICHAELSEN, p. 127.
 1902. *Scalibregma inflatum* MOORE, p. 265.
 1914. *Scalibregma inflatum* DITLEVSEN, p. 711.
 1937. *Scalibregma inflatum* DITLEVSEN, p. 33.
 1948. *Scalibregma inflatum* STØP-BOWITZ, p. 25.
 1950. *Scalibregma inflatum* E. WESENBERG-LUND, p. 36.

Occurrence:

The open sea: 74°41' N. 70°36' W.; 1200 m; "Godthaab" St. 135; 23. 8. 1928; 5 spec. — 74°37' N. 65°51' W.; 275 m; "Godthaab" St. 72; 30. 7. 1928; 1 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 29. 8. 1928; 1 spec. — 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 3 spec. — 72°33' N. 57°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 67°48'5 N. 60°48' W.; 1600 m; "Godthaab" St. 162 b; 13. 9. 1928; 3 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166; 16.—17. 9. 1928; 2 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 4 spec.

Coastal waters: Thule harbour; 14 m; Salomonsen; 14.—15. 8. 1936; 1 spec. — Augpalártoq. — Umanak. — Qarajaqs Isfjord. — Godhavn; 3 spec. — Bredebugt, Jakobshavn; 100—120 m; Traustedt; 1892; 1 spec. — Julianehaab.

The fjords: Skovfjord: St. 143; 65—90 m; clay with large stones; 3. 9. 1912; 1 spec.

Remarks: All along the west coast and in the open sea in Baffins Bugt as well as in Davisstrædet, mainly in deep waters. A single find in the broad connexion between Bredefjord and Skovfjord.

Distribution: Widely distributed in the arctic; boreal.

124. *Pseudoscalibregma longisetosum* THÉEL 1879.

(Chart 24).

West-Greenland records:

1948. *Pseudoscalibregma parvum* STØP-BOWITZ, p. 27.
 1950. *Pseudoscalibregma longisetosum* E. WESENBERG-LUND, p. 36.

Occurrence:

The open sea: 64°05' N. 55°20' W.; 1100 m; "Tjalfe"; 337 m; 8. 5. 1909; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 2 spec.

Remarks: Only in abyssal regions of the southern part of Davisstrædet.

Distribution: East-Greenland; Spitsbergen; the Kara Sea.

125. *Eumenia crassa* ØTSRED 1843.

(Chart 24; J.).

West-Greenland records:

1914. *Eumenia crassa* DITLEVSEN, p. 711.

1950. *Eumenia crassa* E. WESENBERG-LUND, p. 34.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

The fjords: Bredefjord: St. 134; 85—140 m; stones with little clay; 29. 8. 1912; 1 spec.

Remarks: A single find in the abyssal part of the southern part of Davisstrædet, and one in Bredefjord.

Distribution: Arctic; boreo-arctic; boreal; lusitanian.

Family **Opheliidæ** GRUBE.

146. *Ophelia limacina* (RATHKE) 1843.

(Chart 24; J.).

West-Greenland records:

1843. *Ophelia bicornis* ØRSTED, p. 204.

1867. *Ophelia limacina* MALMGREN, p. 74.

1875. *Ophelia limacina* LÜTKEN, p. 171.

1877. *Ophelia limacina* Mc'INTOSH, p. 505.

1883. *Ophelia limacina* LEVINSSEN, p. 305.

1897. *Ophelia limacina* VANHÖFFEN, p. 223.

1898. *Ophelia limacina* MICHAELSEN, p. 127.

1914. *Ophelia limacina* DITLEVSEN, p. 707.

1937. *Ophelia limacina* DITLEVSEN, p. 34.

1939. *Ophelia limacina* VIBE, p. 14.

1948. *Ophelia limacina* STØP-BOWITZ, p. 12.

1950. *Ophelia limacina* E. WESENBERG-LUND, p. 37.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 7 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec. — Store Hellefiskebanke; 35 m; Holm; 5. 8. 1886; 17 spec. — 64°02' N. 52°24' W.; 38 m; Riis-Carstensen; 27. 7. 1926; 4 spec.

Coastal waters: Upernavik, the harbour; 13,5 m; Salomonsen; 16. 6. 1936; 1 spec. — Kingigtoq, Qaersorsuaq; 10—34 m; Salomon-

sen; 5. 7. 1936; about 25 spec. — Upernavik; Møller; 2 spec. — Prøven; about 80 m. — Umanak; 80—about 450 m. — Qarajaqs Isfjord. — Ritenbenk; Olrik; Sørensen; about 10 spec. — Godhavn; Olrik; 2 spec. — Egedesminde; Bergendal; 1890; 1 spec. — Holsteinsborg; Holm; 15. 7. 1884; 1 spec. — Ikertôq; 55 m; Holm; 1. 8. 1886. — Sukkertoppen; 20 m; Holm; 12. 7. 1886; 2 spec. — Godthaab; about 200 m; Ørsted. — Narssâraq. — Julianehaab.

The fjords: Bredefjord: St. 46; 20—30 m; shell-gravel with big stones; 18. 7. 1912; 1 spec.

Remarks: From the northern part of Baffins Bugt to Bredefjord, mainly in coastal waters and on the shelf.

Distribution: Widely spread in the arctic and boreal areas.

127. *Ammotrypane aulogaster* RATHKE 1843.

(Chart 24; X; J.).

West-Greenland records:

1867. *Ammotrypane aulogaster* MALMGREN, p. 73.
 1875. *Ammotrypane aulogaster* LÜTKEN, p. 171.
 1877. *Ammotrypane aulogaster* Mc'INTOSH, p. 504.
 1883. *Ammotrypane aulogaster* LEVINSEN, p. 304.
 1897. *Ammotrypane acuminata* VANHÖFFEN, p. 223.
 1898. *Ammotrypane acuminata* MICHAELSEN, p. 127.
 1914. *Ammotrypane aulogaster* DITLEVSEN, p. 707.
 1948. *Ophelina acuminata* STØP-BOWITZ, p. 14.
 1950. *Ammotrypane aulogaster* E. WESENBERG-LUND, p. 38.
 1950. *Ammotrypane aulogaster* VIBE, p. 97.

Occurrence:

The open sea: 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec.

Coastal waters: Saunders Ø, Thule; 45 m; Vibe; 31. 7. 1939; 1 spec. — Umanak. — Qarajaqs Isfjord. — Godhavn; Olrik; 1 spec.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 2 spec. — St. 19; 53 miles from the mouth; 380 m; grey clay with stones; 6. 7. 1911; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with large stones; 3. 9. 1912; 2 spec.

Remarks: From Thule to Fyllas Banke; fairly scarce; a few finds in the fjords.

Distribution: Widely spread in the arctic; boreal; lusitanian.

128. *Ammotrypane cylindricaudatus* ARM. HANSEN 1879.

(Chart 24).

West-Greenland records:

1950. *Ammotrypane cylindricaudatus* E. WESENBERG-LUND, p. 38.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 2 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 2 spec. — 59°12' N. 51°05' W.; 3521 m; "Ingolf" St. 38; 30. 7. 1895; 1 spec.

Remarks: A few finds in the most abyssal parts of the southern part of Davisstrædet.

Distribution: Canada, Norway, Eurasia; Spitsbergen; North-Atlantic. The species is mainly an abyssal form in arctic waters.

129. *Travisia forbesi* JOHNSTON 1840.

(Chart 24).

West-Greenland records:

1843. *Ophelia mammilata* ØRSTED, p. 205.
 1867. *Travisia forbesi* MALMGREN, p. 75.
 1875. *Travisia forbesi* LÜTKEN, p. 172.
 1883. *Travisia forbesi* LEVINSEN, p. 305.
 1914. *Travisia forbesi* DITLEVSEN, p. 707.
 1948. *Travisia forbesi* STØP-BOWITZ, p. 11.
 1950. *Travisia forbesi* E. WESENBURG-LUND, p. 38.

Occurrence:

The open sea: 64°01' N. 52°40' W.; 48 m; Riis-Carstensen; 28. 7. 1936; 1 spec. — 63°59' N. 53°03' W.; 119 m; Riis-Carstensen; 28. 7. 1936; 10 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 5 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 1 spec.

Coastal waters: Sabine Ø. — Upernavik; Møller; 3 spec. — The harbour, Upernavik Ø; 30 m; sand; Salomonsen; 16. 6. 1936; 1 spec. — Kingigtoq, Qaersorssuaq; 10 m; sand; Salomonsen; 5. 7. 1936; 4 spec. — Prøven. — Vaigat. — Ritenbenk; Andersen; 1 spec. — Godthaab; Ørsted.

Remarks: From the Sabine Ø (75°30' N. Lat.) to the southern part of Davisstrædet.

Distribution: Widely spread and fairly common in the arctic; boreal; lusitanian.

130. *Tachytrypane jeffreysi* Mc'INTOSH 1877.

(Chart 24).

West-Greenland records:

1877. *Tachytrypane jeffreysi* Mc'INTOSH, p. 505.
 1883. *Tachytrypane jeffreysi* LEVINSEN, p. 304.

1897. *Tachytrypane jeffreysi* VANHÖFFEN, p. 223.
 1914. *Tachytrypane jeffreysi* DITLEVSEN, p. 706.
 1948. *Tachytrypane jeffreysi* STØP-BOWITZ, p. 24.

Occurrence:

The open sea: 59°10' N. 50°25' W.; about 3200 m; mud; "Valorous" St. 9; 1 spec.

Remarks: The species is only known from the above mentioned locality in the abyssal part of the entrance to Davisstrædet.

Family Capitellidæ GRUBE.

131. *Notomastus latericius* M. Sars 1846.

(Chart 25; J.).

West-Greenland-records

1867. *Notomastus latericius* MALMGREN, p. 97.
 1875. *Notomastus latericius* LÜTKEN, p. 173.
 ?1883. *Notomastus latericius* LEVINSSEN, p. 307.
 ?1897. *Notomastus latericius* VANHÖFFEN, p. 223.
 1914. *Notomastus latericius* DITLEVSEN, p. 712.
 1937. *Notomastus latericius* DITLEVSEN, p. 34.
 1950. *Notomastus latericius* E. WESENBERG-LUND, p. 39.

Occurrence:

The open sea: 77°05' N. 71°13' W.; 790 m; "Godthaab" St. 87; 4. 8. 1928; 4 spec. — 74°41' N. 70°30' W.; 1200 m; "Godthaab" St. 135; 23. 8. 1928; 1 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 2 spec. — 69°43' N. 59°43' W.; 930 m; "Godthaab" St. 52; 14. 7. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 3 spec.

Coastal waters: Umanak.

The fjords: Bredefjord: St. 55; 330—310 m; clay with a few small stones; 20. 7. 1912; 10 spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 97; 410 m; fine clay (glacier clay); 3. 8. 1912; 1 spec. — St. 121; 700 m; clay; 25. 8. 1912; 10 spec.

Remarks: Practically only in the open sea in Baffins Bugt.

Distribution: In arctic regions rather sporadically; here it seems to be an abyssal form; boreal, lusitanian; in these regions more restricted to shallow waters.

132. *Capitella capitata* (O. FABRICIUS) 1780.

(Chart 25; J; f.).

West-Greenland records:

1780. *Lumbricus capitata* O. FABRICIUS, p. 279.
 1867. *Capitella capitata* MALMGREN, p. 97.

1875. *Capitella capitata* LÜTKEN, p. 173.
 1877. *Capitella capitata* Mc'INTOSH, p. 507.
 1883. *Capitella capitata* LEVINSEN, p. 307.
 1897. *Capitella capitata* VANHÖFFEN, p. 223.
 1898. *Capitella capitata* MICHAELSEN, p. 127.
 1914. *Capitella capitata* DITLEVSEN, p. 712.
 1950. *Capitella capitata* E. WESENBURG-LUND, p. 39.

Occurrence:

The open sea: 69°31' N. 56°10' W. — 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 2 spec.

Coastal waters: Discovery Bay; 81°44' N. — Thule harbour; 14 m; Salomonsen; 15. 6. 1936; 1 spec. — The Bay at Tasiussaq, N. of Upernavik; 30 m; Fr. Johansen; 10. 8. 1931; ∞ spec. — The harbour, Upernavik; 6 m; Salomonsen; 16. 6. 1936; 1 spec. — Umanak; S. Hansen; 1 spec. — Qarajaqs Isfjord. — Godhavn; Olrik; 10 spec. — Egedesminde; Bergendal; 2 spec. — Ulkebugt, Holsteinsborg; 3 spec. — 66°50' N. 54°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; 2 spec. — Godthaab harbour; 6—8 m; Holm; 3. 7. 1886; 2 spec. — Julianehaab harbour; "Rink" St. vac.; 24. 8. 1912; 1 spec. — Sydprøven; low tide; Fr. Johansen; 31. 10. 1931; 1 spec. — Narssâraq. — Ikeq; Poul M. Hansen; 1 spec. — Ikeq, Sangmissoq; Poul M. Hansen; 2 spec. — Qagssimiut; 60°45' N. 49°10' W.; 1,5 m; Fr. Johansen; 7. 11. 1931; 2 spec.

The fjords: Kvanefjord: St. 25; 115 m; clay with some stones, much shell-gravel; 3. 7. 1912; 1 spec. — Bredefjord: St. 123; 5—10 m; algæ and some gravel; 25. 8. 1912; 1 spec. — Skovfjord: St. 136; 6 m; black, putrid ooze with decaying algæ; 30. 8. 1912; 1 spec.

Remarks: Along the whole coast from Thule to Kap Farvel almost exclusively in shallow waters.

Distribution: West- and East-Greenland, Spitsbergen, the Kara Sea; boreal, lusitanian.

In Greenlandic: Pullateriak.

Family *Maldanidæ* MALMGREN.

Subfamily *Lumbriclymeninæ* ARWIDSSON.

133. *Praxillura longissima* ARWIDSSON 1906.
 (Chart 25).

West-Greenland records:

1948. *Praxillura longissima* E. WESENBURG-LUND, p. 8.
 1950. *Praxillura longissima* E. WESENBURG-LUND, p. 39.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24;
25. 6. 1895; 1 spec.

Remarks: A single find in the middle part of Davisstrædet.

Distribution: East-Greenland; Spitsbergen; the Kara Sea.

134. *Lumbriclymene nasuta* E. WESENBERG-LUND 1948.
(Chart 25).

West-Greenland records:

1948. *Lumbriclymene nasuta* E. WESENBERG-LUND, p. 10.

1950. *Lumbriclymene nasuta* E. WESENBERG-LUND, p. 39.

Occurrence:

The open sea: 65°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24;
25. 6. 1895; 4 spec.

Remarks: A single find in the deep part of Davisstrædet.

Distribution: West of Iceland; most probably a pronounced
abyssal form.

135. *Lumbriclymene constricta* E. WESENBERG-LUND 1948.
(Chart 25).

West-Greenland records:

1948. *Lumbriclymene nasuta* E. WESENBERG-LUND, p. 12.

1950. *Lumbriclymene nasuta* E. WESENBERG-LUND, p. 40.

Occurrence:

The open sea: 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25;
26. 6. 1895; 3 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24;
25. 6. 1895; 1 spec.

Remarks: Two single finds in the deepest parts of Davisstrædet.

Distribution: South of Iceland; exclusively abyssal.

136. *Lumbriclymene minor* ARWIDSSON 1906.
(Chart 25).

West-Greenland records:

1948. *Lumbriclymene minor* E. WESENBERG-LUND, p. 15.

1950. *Lumbriclymene minor* E. WESENBERG-LUND, p. 40.

Occurrence:

Coastal waters: 66°45' N. 53°45' W.; Store Hellefiskebanke at
Ikerdtôq; 420 m; "Dana" St. 2350; 23. 6. 1925; 1 spec.

Remarks: A single find off Ikertôq near Holsteinsborg.
Distribution: West coast of Sweden; the Channel.

137. *Notoproctus oculatus* var. *minor* ARWIDSSON 1906.
(Chart 25).

West-Greenland records:

1948. *Notoproctus oculatus* var. *minor* E. WESEBERG-LUND, p. 17.
1950. *Notoproctus oculatus* var. *minor* E. WESEBERG-LUND, p. 40.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 10 spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 366; 19. 5. 1909; 10 spec.

Remarks: The species was originally described from the Norwegian west Coast and does not seem to have been refound until 1948 when it was found in Davisstrædet.

Distribution: Norway; north of Iceland.

138. *Notoproctus oculatus* var. *arctica* ARWIDSSON 1906.
(Chart 25).

West-Greenland records:

1906. *Notoproctus oculatus* var. *arctica* ARWIDSSON, p. 57.
1914. *Notoproctus oculatus* var. *arctica* DITLEVSEN, p. 713.
1937. *Notoproctus oculatus* var. *arctica* DITLEVSEN, p. 36.
1948. *Notoproctus oculatus* var. *arctica* E. WESEBERG-LUND, p. 18.
1950. *Notoproctus oculatus* var. *arctica* E. WESEBERG-LUND, p. 40.

Occurrence:

The open sea: 73°30'8 N. 59°36' W.; 225 m; "Godthaab" St. 65; 28. 7. 1928; 3 spec. — 69°45' N. 58°25' W.; 320 m; "Godthaab" St. 51; 14. 7. 1928; 6 spec. — 66°51' N. 57°40' W.; 680 m; "Godthaab" St. 39; 3. 7. 1928; ∞ spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 10 spec.

Coastal waters: Godhavn; mud; 125 m; 1 spec.

Remarks: Four finds in the open sea from 73° N. Lat. to 63° N. Lat.; only a single find from the shelf.

Distribution: East-Greenland, Finmarken, Spitsbergen.

139. *Notoproctus scutiferus* E. WESEBERG-LUND 1948.
(Chart 25).

West-Greenland records:

1948. *Notoproctus scutiferus* E. WESEBERG-LUND, p. 19.
1950. *Notoproctus scutiferus* E. WESEBERG-LUND, p. 40.

Occurrence:

The open sea: 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 10 spec. — 60°17' N. 54°05' W.; 3229 m; "Ingolf" St. 37; 29. 7. 1895; 10 spec.

Remarks: Two finds in the abyssal parts of the southern Davisstræde.

Distribution: Hitherto only known from the above mentioned localities.

Subfamily **Rodininae** ARWIDSSON 1906.140. *Rhodine lovéni* MALMGREN 1865.
(Chart 25).

West-Greenland records:

1877. *Rhodine lovéni* Mc'INTOSH, p. 507.
1883. *Rhodine lovéni* LEVINSEN, p. 307.
1897. *Rhodine lovéni* VANHÖFFEN, p. 223.
1914. *Rhodine lovéni* DITLEVSEN, p. 713.
1948. *Rhodine lovéni* E. WESENBERG-LUND, p. 23.

Occurrence:

Coastal waters: A single find in Holsteinsborg harbour reported by Mc'INTOSH.

Distribution: Boreal.

Subfamily **Nicomachinae** ARWIDSSON 1906.141. *Nicomache lumbricalis* (O. FABRICIUS) 1780.
(Chart 26; K; f.).

West-Greenland records:

1780. *Sabella lumbricalis* FABRICIUS, p. 374.
1865. *Nicomache lumbricalis* MALMGREN, p. 190.
1867. *Nicomache lumbricalis* MALMGREN, p. 98.
1875. *Nicomache lumbricalis* LÜTKEN, p. 173.
1877. *Nicomache lumbricalis* Mc'INTOSH, p. 507.
1883. *Nicomache lumbricalis* LEVINSEN, p. 307.
1897. *Nicomache lumbricalis* VANHÖFFEN, p. 223.
1906. *Nicomache lumbricalis* ARWIDSSON, p. 86.
1914. *Nicomache lumbricalis* DITLEVSEN, p. 714.
1937. *Nicomache lumbricalis* DITLEVSEN, p. 36.
1948. *Nicomache lumbricalis* E. WESENBERG-LUND, p. 23.
1950. *Nicomache lumbricalis* E. WESENBERG-LUND, p. 41.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 84 m; "Godthaab" St. 114; 16. 8. 1928; 3 spec. — 76°37' N. 74°18' W.; 580 m; "Godthaab" St. 112;

16. 8. 1928; 2 spec. — $69^{\circ}44'4''$ N. $57^{\circ}22'$ W.; 215 m; "Godthaab" St. 50;
 13. 7. 1928; 1 spec. — $67^{\circ}57'$ N. $55^{\circ}30'$ W.; 66 m; "Ingolf" St. 33;
 12. 7. 1895; 1 spec. — $66^{\circ}35'$ N. $56^{\circ}30'$ W.; 599 m; "Ingolf" St. 32;
 11. 7. 1895; 3 spec. — $65^{\circ}36'$ N. $56^{\circ}20'$ W.; about 600 m; Wandel, 1889;
 3 spec. — $65^{\circ}16'$ N. $55^{\circ}05'$ W.; 682 m; "Ingolf" St. 35; 18. 7. 1895;
 2 spec. — $64^{\circ}53'$ N. $53^{\circ}06'$ W.; about 500 m; Wandel; 1889; 3 spec. —
 $63^{\circ}56'$ N. $53^{\circ}12'$ W.; Wandel; 1889; 2 spec.

Coastal waters: $76^{\circ}24,8'$ N. $69^{\circ}38'$ W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 2 spec. — Sigridshavn; Langø; Upernavik; 12 m; sandy clay; Salomonsen; 21. 7. 1936; 1 spec. — Augpalártoq; about 500 m. — $70^{\circ}30'$ N. $54^{\circ}41'$ W.; off Hareöen; Disko; 325 m; "Valorous". — Prøven; Olrik; 2 spec.

The fjords: Kvanefjord: St. 1; 84 m; stones without algæ; 21. 6. 1912; 3 spec. — Bredefjord: St. 33; 220—100 m; stones without algæ; 16. 7. 1912; 2 spec. — St. 70; 290—225 m; stones, clay; 24. 7. 1912; 2 spec. — St. 74; 200—90 m; stones only little clay; 25. 7. 1912; 1 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 1 spec.

Remarks: From Thule and the entrance of Smith Sund to about 64° N. Lat.; nowhere true abyssal. In the outer parts of Brede- and Kvanefjord; not in Nordre Strømfjord; seems to prefer a stony bottom.

Distribution: Exclusively arctic; in boreal regions replaced by the closely related *N. borealis* Arw.

142. *Nicomache quadrispinata* ARWIDSSON 1906.

(Chart 26).

West-Greenland records:

1948. *Nicomache quadrispinata* E. WESEBERG-LUND, p. 27.

1950. *Nicomache quadrispinata* E. WESEBERG-LUND, p. 41.

Occurrence:

The open sea: $66^{\circ}35'$ N. $56^{\circ}38'$ W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; ∞ spec. — $65^{\circ}16'$ N. $55^{\circ}05'$ W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 10 spec.

Remarks: Two finds in the middle part of Davisstrædet outside the great off-shore banks.

Distribution: Exclusively arctic.

143. *Nicomache* sp. E. WESEBERG-LUND 1948.

(Chart 26).

West-Greenland records:

1948. *Nicomache* sp. E. WESEBERG-LUND, p. 29.

1950. *Nicomache* sp. E. WESEBERG-LUND, p. 42.

Occurrence:

The open sea: 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec.

Remarks: This problematic species is only known from the above mentioned locality in Davisstrædet.

Subfamily **Euclymeninae** ARWIDSSON 1906.144. *Leiochone polaris* (THEÉL) 1879.

(Chart 26).

West-Greenland records:

1948. *Leiochone polaris* E. WESENBERG-LUND, p. 31.

1950. *Leiochone polaris* E. WESENBERG-LUND, p. 42.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°06' N. 56°00' W.; 2250 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Remarks: Only these two finds in the middle part of Davisstrædet.

Distribution: Exclusively arctic.

145. *Leiochone borealis* ARWIDSSON 1906.

(Chart 26).

West-Greenland records:

1948. *Leiochone borealis* E. WESENBERG-LUND, p. 33.

1950. *Leiochone borealis* E. WESENBERG-LUND, p. 42.

Occurrence:

The open sea: 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 4 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 64°08' N. 55°20' W.; 1100 m; "Tjalfe" St. 337; 8. 5. 1909; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Remarks: A few finds in the deep southern part of Davisstrædet.

Distribution: Only sporadic in the arctic (Finmarken, N.E. of Iceland); boreal; often abyssal.

146. *Maldanella davisi* E. WESENBERG-LUND 1948.

(Chart 26).

West-Greenland records:

1948. *Maldanella davisi* E. WESENBERG-LUND, p. 35.

1950. *Maldanella davisi* E. WESENBERG-LUND, p. 43.

Occurrence:

The open sea: 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 60°17' N. 54°05' W.; 3229 m; "Ingolf" St. 37; 29. 7. 1895; 6 spec.

Remarks: Both finding places are in Davisstrædet.

Distribution: Furthermore only known from a single locality south of Iceland.

147. *Praxillella gracilis* (M. Sars) 1881.

(Chart 26; X; K; f.).

West-Greenland records:

1906. *Praxillella gracilis* ARWIDSSON, p. 183.
 1914. *Praxillella gracilis* DITLEVSEN, p. 715.
 1948. *Praxillella gracilis* E. WESENBURG-LUND, p. 39.
 1950. *Praxillella gracilis* E. WESENBURG-LUND, p. 43.

Occurrence:

The open sea: 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec.

Coastal waters: Sukkertoppen; 350 m.

The fjords: Nordre Strømfjord St. 11 B; 53 miles from the mouth; 67—56 m; 6. 7. 1911; 2 spec. — Kvanefjord: St. 23; 410—200 m; clay with big stones; 29. 6. 1912; 1 spec. — Bredefjord: St. 45; 430—450 m; mud; 18. 7. 1912; 1 spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 2 spec. — St. 80; 365 m; fine clay (glacier clay?) with a few stones; 30. 7. 1912; 1 spec. — St. 98; 520—560 m; fine clay with a few stones; 1 spec.

Remarks: Only in the southern part of Davisstrædet; not abyssal. A few finds in the outer and central parts of Brede- and Nordre Strømfjord.

Distribution: Mainly arctic.

148. *Praxillella prætermissa* (MALMGREN) 1865.

(Chart 26).

West-Greenland records:

1877. *Praxilla arctica* Mc'INTOSH, p. 507.
 1883. *Clymene prætermissa* LEVINSEN, p. 307.
 1906. *Praxillella prætermissa* ARWIDSSON, p. 192.
 1914. *Praxillella prætermissa* DITLEVSEN, p. 716.
 1948. *Praxillella prætermissa* E. WESENBURG-LUND, p. 41.
 1950. *Praxillella prætermissa* E. WESENBURG-LUND, p. 43.

Occurrence:

The open sea: 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 63°09' N. 56°43' W.; mud; about 2000 m; "Valorous".

Coastal waters: Skibshavnen; Langø; Upernavik; 19,5 m; Salomonsen; 12. 6. 1936; 1 spec. — 70°40' N. off Umanak.

Remarks: From Upernavik to about 63° N. Lat. in the deep sea as well as along the coast. It does not enter the fjords.

Distribution: Arctic; boreal.

149. *Axiothella catenata* (MALMGREN) 1865.

(Chart 27; K.).

West-Greenland records:

1865. *Axiiothea catenata* MALMGREN, p. 190.

1867. *Axiiothea catenata* MALMGREN, p. 99.

1875. *Axiiothea catenata* LÜTKEN, p. 174.

1877. *Axiiothea catenata* Mc'INTOSH, p. 507.

1883. *Clymene catenata* LEVINSEN, p. 307.

1897. *Clymene catenata* VANHÖFFEN, p. 223.

1902. *Axiiothea catenata* MOORE, p. 275.

1906. *Axiiothella catenata* ARWIDSSON, p. 209.

1914. *Axiiothella catenata* DITLEVSEN, p. 716.

1937. *Axiiothella catenata* DITLEVSEN, p. 37.

1948. *Axiiothella catenata* E. WESENBERG-LUND, p. 44.

1950. *Axiiothella catenata* E. WESENBERG-LUND, p. 44.

1950. *Axiiothella catenata* VIBE, p. 94.

Occurrence:

The open sea: 72°35,5' N. 57°56' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 2 spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 366; 19. 5. 1909; 1 spec. — 65°36' N. 56°24' W.; 650 m; Wandel; 1889; 2 spec.

Coastal waters: Barden Bugt; 20—80 m. — Uvdle; Thule; 12 m; Chr. Vibe; 30. 7. 1939; 12 m; 2 spec. — Saunders Ø; Thule; 45 m; Chr. Vibe; 31. 7. 1939; 1 spec. — Thule harbour; 14 m; very fine clay; Salomonsen; 14. 8. 1936; 1 spec. — Sigridshavn; Langø; Upernavik; 10 m; clay; Salomonsen; 21. 7. 1936; 1 spec. — Disko Fjord. — Off Hareøen, Disko; 175 m; sandy mud. — 70°30' N. 54°41' W. — Godhavn harbour; 10—40 m. — Godhavn; 35 m; sandy mud; Andersen, Olrik. — Ikamiut island; 27—35 m. — Sukkertoppen.

The fjords: Bredefjord St. 55; 330—310 m; clay with a few small stones; 20. 7. 1912; 1 spec. — St. 74; 200—90 m; stones with little clay; 25. 7. 1912; 1 spec. — St. 110; 125—140 m; stones with little mud and shell-gravel. 7. 8. 1912; 1 spec.

Remarks: One of the most common maldanids in West-Greenland,

especially on the shelf and the off-shore banks. In Bredefjord it penetrates to the very head of the Sermilik.

Distribution: Circumpolar; mainly arctic; boreal.

150. *Heteroclymene robusta* ARWIDSSON 1906.

(Chart 27).

West-Greenland records:

?1937. *Heteroclymene robusta* DITLEVSEN, p. 37.

1948. *Heteroclymene robusta* E. WESEBERG-LUND, p. 47.

Occurrence:

The open sea: 55°00' N. 56°34' W.; 314 m; "Godthaab" St. 14; 6. 6. 1928; 1 spec.

Remarks: With some reservation DITLEVSEN (op. cit.) refers three hindmost segments to this species, originating from the entrance of Davisstrædet.

Distribution: Boreal and lusitanian.

Subfamily **Maldaninæ** ARWIDSSON 1906.

151. *Maldane sarsi* MALMGREN 1865.

(Chart 27; X; K.).

West-Greenland records:

1877. *Maldane sarsi* Mc'INTOSH, p. 507.

1883. *Maldane sarsi* LEVINSEN, p. 307.

1897. *Maldane sarsi* VANHÖFFEN, p. 223.

1898. *Maldane sarsi* MICHAELSEN, p. 128.

1906. *Maldane sarsi* ARWIDSSON, p. 251.

1914. *Maldane sarsi* DITLEVSEN, p. 717.

1937. *Maldane sarsi* DITLEVSEN, p. 38.

1948. *Maldane sarsi* E. WESEBERG-LUND, p. 48.

1950. *Maldane sarsi* E. WESEBERG-LUND, p. 44.

Occurrence:

The open sea: 72°33,5' N. 57°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 71° 10' N. 58° 56' W.; 355 m. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec.

Coastal waters: 70°40' N., off Umanak Fjord; 216 m; mud. — Diskofjord; 180 m; mud, sand. — Qarajaqs Isfjord; 60—80 m. — Holsteinsborg harbour; 60 m. — 63°35' N. 52°57' N.; 76 m; sand, shells.

The fjords: Nordre Strømfjord: St. 21 B; 63 miles from the mouth; 325—325 m; stones; 14. 7. 1911; 2 spec. — Bredefjord: St. 45; 430—450 m; mud; 18. 7. 1912; 6 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 3 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec.

Remarks: All the finds were made from the 71° to 63° N. Lat. in rather shallow waters. Furthermore in the outer and central parts of both the fjord areas.

Distribution: Mainly arctic; boreal, and lusitanian; nearly cosmopolitan.

152. *Maldane glebifex* GRUBE 1860.
(Chart K)..

West-Greenland records:

1948. *Maldane glebifex* E. WESENBERG-LUND, p. 50.

Occurrence:

The fjords: Tunugdliarfik St. 139; 280—300 m; clay without stones; 2. 9. 1912; 2 spec.

Remarks: The two specimens from the head of the Skovfjord are with some reservation referred to this species otherwise unknown from the Arctic.

Distribution: Atlantic, Mediterranean.

153. *Asychis biceps* (M. SARS) 1861.
(Chart 27; K.).

West-Greenland records:

1877. *Maldane biceps* Mc'INTOSH, p. 507.

1883. *Maldane biceps* LEVINSEN, p. 307.

1897. *Clymene biceps* VANHÖFFEN, p. 223.

1906. *Asychis biceps* ARWIDSSON, p. 263.

1914. *Maldane biceps* DITLEVSEN, p. 718.

1937. *Asychis biceps* DITLEVSEN, p. 38.

1948. *Asychis biceps* E. WESENBERG-LUND, p. 52.

1950. *Asychis biceps* E. WESENBERG-LUND, p. 45.

Occurrence:

The open sea: 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 151; 22. 8. 1928; 3 spec. — 73°30' N. 59°36' W.; 225 m; "Godthaab" St. 65; 28. 7. 1928; 1 spec. — 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 4 spec. — 72°28' N. 60°42' W.; 730 m; "Godthaab" St. 57; 18. 7. 1928; 4 spec. — 71°37' N. 59°58' W.; 825 m; "Godthaab" St. 56; 17. 7. 1928; 1 spec. — 70°30' N. 54°41' W.; 325 m; "Valorous" St. 1. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 5 spec. — 66°21' N. 56°54' W.; 600—700 m; "Tjalfe" St. 365; 18. 5. 1909; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 5 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 10 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27;

1. 7. 1895; 2 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 22; 26. 6. 1895; 6 spec.

The fjords: Bredefjord St. 77; 470—245 m; stony clay; 27. 7. 1912; 1 spec. — Skovfjord: St. 139; 280—300 m; clay without stones; 2. 9. 1912; 2 spec.

Remarks: Fairly common in the area under consideration, everywhere inside the 1000 m line. In Bredefjord it is found at the entrance of Tunugdliarfik and in the central part of the fjord.

Distribution: Boreal, Lusitanian; by DITLEVSEN, AUGENER (1928) and the present author reported from arctic waters.

Family Oweniidæ RIOJA.

154. *Owenia fusiformis* DELLE CHIAJE 1841.

(Chart 28; XI; L; f.).

West-Greenland records:

1867. *Ammochares assimilis* MALMGREN, p. 101.
 1875. *Ammochares assimilis* LÜTKEN, p. 174.
 1877. *Owenia fusiformis* MC'INTOSH, p. 707.
 1883. *Owenia assimilis* LEVINSEN, p. 308.
 1897. *Owenia assimilis* VANHÖFFEN, p. 223.
 1897. *Owenia filiformis* VANHÖFFEN, p. 223.
 1898. *Owenia fusiformis* MICHAELSEN, p. 128.
 1914. *Owenia assimilis* DITLEVSEN, p. 718.
 1914. *Owenia filiformis* DITLEVSEN, p. 719.
 1914. *Owenia fusiformis* DITLEVSEN, p. 719.
 1937. *Owenia fusiformis* DITLEVSEN, p. 35.
 1939. *Owenia fusiformis* VIBE, p. 14.
 1950. *Owenia fusiformis* E. WESENBURG-LUND, p. 45.

Occurrence:

The open sea: 73°30,8' N. 59°36' W.; 450 m; "Godthaab" St. 65; 30. 7. 1928; 1 spec. — 66°59' N. 55°27' W.; 110 m; sand with shells; "Valorous" St. 5.

Coastal waters: West coast of the Qutdlakorssuit island; 73°55' N. 56°04' W.; 10 m; stones, mud; Fr. Johansen; 20. 8. 1931, 4 spec. — Kingigtoq; Qaersorsuaq, off the mouth of the river; 8,5—6,4 m; sand with stones; Salomonsen; 5. 7. 1936; ∞ spec. — The bay off the entrance to Tasiussaqaq W. of Upernavik; 30 m; stones, mud; Fr. Johansen; 8. 8. 1931; 2 spec. — The harbour of Upernavik; 24 m; Salomonsen; 16. 6. 1936; 1 spec. — Qarajaqs Isfjord—Ritenbenk; Andersen; 3 spec. — Godhavn; Olrik; 6 spec. — Arsuk Fjord, N. of Ivigtut.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 2 spec. — St. 33; 5 miles W.S.W. of Sarfarssuaq; 150—150 m; 27. 7. 1911; 10 spec. — Kvanefjord: St. 6; 45 m; shell-gravel; 23. 6. 1912; 1 spec. — Bredefjord: St. 49; 490—490 m; mud; 19. 7. 1912; 1 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 3 spec. — St. 80; 365 m; fine clay with a few stones (glacier clay?); 30. 7. 1912; 1 spec. — St. 81; 110 m; glacier clay; 30. 7. 1912; ∞ spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec. — St. 90; 100—110 m; fine clay; 31. 7. 1912; 1 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 6 spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 10 spec. — St. 96; 410 m; glacier clay; 3. 8. 1912; 2 spec. — St. 103; 90—100 m; stones; 5. 8. 1912; 1 spec. — St. 127; 10—15 m; gravel with little clay; 26. 8. 1912; 10 spec. — Tunugdliarfik St. 139; 280—300 m; clay without stones; 2. 9. 1912; 10 spec. — Skovfjord: St. 146; 305—310 m; stony clay; 5. 9. 1912; 3 spec.

Remarks: From about 74° to Ivigtut, mostly in littoral waters and on the shelf. All over the Bredefjord area except in the Sermilik section.

Distribution: Circumpolar, boreal; lusitanian; mainly littoral and restricted to sandy or clayey bottoms.

155. *Myriochele heeri* MALMGREN 1867.

(Chart 28; XI; L; f.).

West-Greenland records:

1867. *Myriochele heeri* MALMGREN, p. 101.
 1875. *Myriochele heeri* LÜTKEN, p. 174.
 1883. *Myriochele heeri* LEVINSÉN, p. 308.
 1897. *Myriochele heeri* VANHÖFFEN, p. 223.
 1898. *Myriochele heeri* MICHAELSEN, p. 128.
 1914. *Myriochele heeri* DITLEVSEN, p. 718.
 1937. *Myriochele heeri* DITLEVSEN, p. 35.
 1950. *Myriochele heeri* E. WESENBERG-LUND, p. 46.
 1950. *Myriochele heeri* VIBE, p. 97.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 3 spec. — 68°23,5' N. 56°12' W.; 480 m; "Godthaab" St. 159; 12. 9. 1928; 4 spec. — 54°53' N. 53°06' W.; 400 m; Wandel; 1889; 3 spec.

Coastal waters: Uvdle, Thule; 32—45 m; Chr. Vibe; 30. 7. 1939; 6 spec. — Neqé; 12. 10. 1939; 40 m; Vibe. — Qarajaqs Isfjord. — Umanak. — 69°44' N. 51°22' W.; 540 m; "Godthaab" St. 154; 7. 9. 1928; ∞ spec. — Julianehaabsfjord; 280 m; Poul M. Hansen; 26. 7. 1929; 4 spec.

The fjords: Nordre Strømfjord: St. 23; the Ugssuit broad; 50—

52 m; fine, grey clay; 16. 7. 1911; ∞ spec. — St. 24; the Ugssuit broad; 6—18 m; grey, fat clay; 16. 7. 1911; 3 spec. — St. 25; the Ugssuit broad; 175—175 m; grey clay; 16. 7. 1911; 4 spec. — St. 27; the bay at Itivdliarsuk; 75—75 m; fine, grey clay; ∞ spec. — St. 30; the western branch of the Ugssuit broad; 80—80 m; grey clay; 4 spec. — St. 33; 5 miles W.S.W. of Sarfarssuaq; 150—150 m; 27. 7. 1911; 10 spec. — Kvanefjord: St. 3; 210 m; clay, stones; 22. 6. 1912; 1 spec. — St. 23; 410—200 m; clay, big stones; 29. 6. 1912; ∞ spec. — Bredefjord: St. 33; 220—100 m; stones without algæ; 16. 7. 1912; 6 spec. — St. 44; 190—165 m; small stones, clay; 18. 7. 1912; 3 spec. — St. 48; 500 m. w.; 19. 7. 1912; 4 spec. — St. 70; 290—225 m; stones, clay; 24. 7. 1912; 10 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 6 spec. — St. 80; 365 m; fine clay; 30. 7. 1912; 5 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 10 spec. — St. 90; 100—110 m; fine clay; 31. 7. 1912; 2 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 6 spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 5 spec. — St. 96; 410 m; glacier clay; 3. 8. 1912; 2 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 4 spec. — St. 111; 115—115 m; stony clay; 8. 8. 1912; 2 spec. — St. 113; 565 m; 9. 8. 1912; 1 spec. — St. 116; 80—95 m; stony glacier clay; 9. 8. 1912; 2 spec. — St. 117; 100—120 m; stones; little clay; 10. 8. 1912; ∞ spec. — St. 121; 700 m; clay; 25. 8. 1912; ∞ spec. — St. 127; 10—15 m; gravel with a little clay; 26. 8. 1912; 2 spec. — St. 135; 225—240 m; stony clay; 29. 8. 1912; 1 spec. — Skovfjord: St. 137; 6 m; black, putrid mud with decaying algæ; 30. 8. 1912; 1 spec. — Tunugdliarfik St. 139; 280—300 m; clay without stones; 2. 9. 1912; ∞ spec.

Remarks: From Thule and north of the entrance to Jones Sound to off Egedesminde. In West-Greenland this species, curiously enough, has a more arctic distribution than the preceding one; it is more abyssal too. In both the large fjord areas it is fairly common, and it extends to the very head of the Sermilik as well as of the Ugssuit broad.

Distribution: Not so widely distributed in the Arctic as the preceding species, and more abyssal than the latter; boreal, lusitanian.

Family *Sternaspidæ* MALMGREN.

156. *Sternaspis scutata* (RANZANI) 1817.

(Chart 28).

West-Greenland records:

1875. *Sternaspis fossor* LÜTKEN, p. 173.

1883. *Sternaspis fossor* LEVINSEN, p. 314.

1926. *Sternaspis fossor* E. WESEBERG-LUND, p. 142.

1950. *Sternaspis scutata* E. WESEBERG-LUND, p. 46.

Occurrence:

Coastal waters: 69°17' N. 52°50' W.; 450 m; "Tjalfe" St. 117; 15. 7. 1908; 1 spec. — Godhavn; 120 m; Holbøll.

Remarks: In West-Greenland only found in the neighbourhood of Godhavn. — In South-East-Greenland a single find in the Lindenows Fjord.

Distribution: Very common throughout the boreo-arctic area; boreal; Atlantic; Mediterranean.

Family **Arenicolidæ** JOHNSTON.157. *Arenicola marina*.

(Chart 28).

West-Greenland records:

1780. *Lumbricus marinus* FABRICIUS, p. 279.
 1780. *Lumbricus papillosus* FABRICIUS, p. 283.
 1843. *Arenicola piscatorum* ØRSTED, p. 207.
 1875. *Arenicola marina* LÜTKEN, p. 172.
 1883. *Arenicola marina* LEVINSEN, p. 306.
 1889. *Arenicola marina* HOLM, p. 156.
 1897. *Arenicola marina* VANHÖFFEN, p. 223.
 1914. *Arenicola marina* DITLEVSEN, p. 711.

Occurrence:

Coastal waters: Umanak. — Godhavn; 26. 6. 1919; 1 spec. — Egedesminde; Levinsen; 1 spec. — Agpamiut; Poul M. Hansen; 25. 8. 1927; 1 spec. — Sukkertoppen; Holm 1884; Bisted 1896; Hagerup; 8. 8. 1925; 3 spec. — Godthaab; Holbøll; 1 spec. — Nerutussoq Fjord, N. of Frederikshaab; on the shore; Poul M. Hansen; 1 spec.

Remarks: This species does not seem to be common in West-Greenland; yet it cannot at the present be decided whether it is actually missing in N.W. Greenland (North of Umanak), since until now suitable sedimental habitats have not been found.

Distribution: Arctic; boreal; lusitanian; Mediterranean.

In Greenlandic: Inellualerak.

Family **Amphictenidæ** MALMGREN.158. *Cistenides granulata* (LINNÉ) 1767.

(Chart 29).

West-Greenland records:

1780. *Amphitrite auricoma* FABRICIUS, p. 289.
 1865. *Cistenides granulata* MALMGREN, p. 359.
 1867. *Cistenides granulata* MALMGREN, p. 103.
 1875. *Cistenides granulata* LÜTKEN, p. 174.
 1877. *Cistenides granulata* Mc'INTOSH, p. 105.

1883. *Pectinaria granulata* LEVINSEN, p. 308.
 1889. *Pectinaria granulata* HOLM, p. 155; p. 156; p. 159; p. 161.
 1897. *Pectinaria granulata* VANHÖFFEN, p. 224.
 1898. *Pectinaria granulata* MICHAELSEN, p. 129.
 1902. *Cistenides granulata* MOORE, p. 275.
 1914. *Pectinaria granulata* DITLEVSEN, p. 719.
 1937. *Pectinaria granulata* DITLEVSEN, p. 39.
 1939. *Pectinaria granulata* VIBE, p. 10, p. 14, p. 18, p. 24, p. 26.
 1950. *Pectinaria granulata* VIBE, p. 97.

Occurrence:

Coastal waters: Discovery Bay; "Valorous". — Uvdle; 30.7. 1939; 12—32 m; Vibe — Saunders Ø; 31. 7. 1939; 38 m; Vibe — Nordstjernebugt; Thule; 14 m; Chr. Vibe; 14. 8. 1936; clay; 1 spec. — Qanaq; 25. 8. 1939; 5—20 m; Vibe. — Olrik Fjord; 2. 9. 1939; 4—30 m; Vibe. — Prøven. — Umanak. — Qarajaqs Isfjord. — Godhavn; 30—75 m. — Christianshaab; Holm. — Holsteinsborg; Holm. — Sårdloq; 18 m. — Sukkertoppen; 80—150 m. — Godthaab; 15 m. — Arsuk Fjord. — Julianehaab.

Remarks: Common along the whole coast. Not in the fjords.

Distribution: Arctic; boreal.

In Greenlandic: Imab-Polia.

159 *Cistenides hyperborea* MALMGREN 1865.

(Chart 29; X; M; g.).

West-Greenland records:

1865. *Cistenides hyperborea* MALMGREN, p. 360.
 1867. *Cistenides hyperborea* MALMGREN, p. 103.
 1875. *Cistenides hyperborea* LÜTKEN, p. 174.
 1877. *Cistenides hyperborea* MC'INTOSH, p. 508.
 1883. *Pectinaria hyperborea* LEVINSEN, p. 308.
 1897. *Pectinaria hyperborea* VANHÖFFEN, p. 224.
 1898. *Pectinaria hyperborea* MICHAELSEN, p. 129.
 1902. *Pectinaria hyperborea* MOORE, p. 275.
 1914. *Pectinaria hyperborea* DITLEVSEN, p. 720.
 1937. *Pectinaria hyperborea* DITLEVSEN, p. 39.
 1939. *Pectinaria hyperborea* VIBE, p. 24.
 1950. *Cistenides hyperborea* E. WESENBERG-LUND, p. 46.

Occurrence:

The open sea: 69°41' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 3 spec. — 67°34' N. 55°29' W.; 442 m; Wandel; 1889; 3 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 6 spec. — Totness Road, Exeter Sound; "Godthaab" St. 166; 16. 7. 1928; 6 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 2 spec. — 65°00' N. 56°34' W.; 314 m; "Godthaab" St. 14; 14. 6. 1928; 1 spec.

Coastal waters: Barden Bugt. — Nordstjerne Bugt, Thule; 14 m; clay; Vibe; 14. 8. 1936; 1 spec. — Thule harbour; 14 m; very fine clay; Salomonsen; 14—15. 8. 1936; ∞ spec. — Savigsivik; 23 m; Salomonsen; 17. 8. 1936; 2 spec. — The harbour at the western side of the Qutdlikorssuit Island; $73^{\circ}55' N. 50^{\circ}40' W.$; Fr. Johansen; 20. 8. 1931; ∞ spec. — The bay at the entrance to Tasiussaq, N. of Upernavik; 30 m; stones, mud; Fr. Johansen; 8. 8. 1931; ∞ spec. — The entrance to the harbour of Tasiussaq; Fr. Johansen; 13. 8. 1931; ∞ spec. — Kingegtoq, Qaersorssuaq; 8,5—32 m; sand; Salomonsen; 5. 7. 1936; 4 spec. — Sigridshavn; Langø; Upernavik; 15 m; Salomonsen; 21. 7. 1936; 2 spec. — Prøven, the harbour; 10—19 m; Salomonsen; 17. 7. 1936; ∞ spec. — $70^{\circ}30' N. 54^{\circ}41' W.$; off Hareøen; about 300 m; sandy mud; "Valorous" St. 1. — $71^{\circ}21' N. 54^{\circ}27' W.$; 47 m; "Godthaab" St. 139; 3. 9. 1928; 15 spec. — Umanak; S. Hansen; 5. 8. 1888; 1 spec. — Umanak island; Olrik; 1 spec. — $69^{\circ}44' N. 51^{\circ}22' W.$; 540 m; "Godthaab" St. 154; 7. 9. 1928; 1 spec. — $69^{\circ}41' N. 55^{\circ}01,2' W.$; 80 m; "Godthaab" St. 47; 13. 7. 1928; 1 spec. — Hunde Ejland; Traustedt; 1892; 10 spec. — Godhavn harbour; 14 m; Holm; 27. 7. 1886; 6 spec. — Jakobshavn; Fleischer; 2 spec. — Christianshaab; 50 m; Holm; 25. 7. 1884; 4 spec. — Egedesminde; Zimmer, and others; ∞ spec. — Eqaugs-suit, N. of Holsteinsborg; Bernburg; 1903; 8 spec. — Holsteinsborg harbour; "Ingolf" 9. 7. 1895; ∞ spec. — Ulkebugt at Holsteinsborg; Traustedt; 1892; 1 spec. — Holsteinsborg; Traustedt; 1892; 10 spec. — Marraq, Kangerdluarssuk, at Holsteinsborg; Bernburg; 1903; 1 spec. — Ikertôq Fjord; 10—35 m; Holm; 2. 8. 1886; 4 spec. — The strait at Ikertôq; 30 m; Holm; 2. 8. 1886; ∞ spec. — Between the mouth of Amerdloq and Ikertôq; 30 m; Holm; 3. 8. 1886; 3 spec. — Tatsip atâ; Bendixen; 20. 8. 1916, 2 spec. — Sukkertoppen; 20 m; Holm; 12. 7. 1886; 5 spec. — Kapisigdlit; 16. 10. 1930; 6 spec. — Godthaab harbour; 15 m; Holm; 3. 7. 1886; 6 spec. — Godthaab; Ryder; 1883; 10 spec. — Ameragdla; "Ingolf" 22. 7. 1895; 1 spec. — The Strait at Igaussaq, S. of Frederikshaab; 20 m; Holm; 17. 8. 1886; 3 spec. — Kobbermineøen, Julianehaab; Bernburg; 1903; 3 spec. — Igaliko Fjord, Julianehaab; Bernburg; 1903; 5 spec. — Julianehaab; Sørensen; 1902; 3 spec. — Nanortalik Fjord; Bernburg; 1903; 5 spec. — Off Qagssimiut; $60^{\circ}45' N. 47^{\circ}10' W.$; 1,5 m; Fr. Johansen; 4. 11. 1931; 4 spec.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 12 spec. — St. 2; 12 miles from the mouth; 375—380 m; ooze, a few stones; 23. 6. 1911; 7 spec. — St. 4 B; 25 miles from the mouth; 48—46 m; 27. 6. 1911; 2 spec. — St. 8; $15\frac{1}{2}$ miles from the mouth; 12—29 m; 27. 6. 1911; ∞ spec. — St. 9 A; 37 miles from the mouth; 535—500 m; ooze; 6. 7. 1911, 15 spec. — St. 16; opposite to Ujaragsugssuit; 100—160 m; grey clay; 11. 7. 1911; 7 spec. —

St. 17; between Ipiutarssuaq and Ujaragsugssuit; 56 m; grey clay, a few stones; 3 spec. — St. 19; the Sánerut bay; 14—20 m; grey clay, stones; 12. 7. 1911. — St. 21 B; 63 miles from the mouth; 325—325 m; stones; 14. 7. 1911; 3 spec. — St. 23; the Ugssuit broad; 50—52 m; fine grey clay; 16. 7. 1911; 5 spec. — St. 25; the Ugssuit broad; 175—175 m; grey clay; 16. 7. 1911; 4 spec. — St. 26; the bay at Itivdliarssuk; 33—50 m; stones; 24. 7. 1911; 6 spec. — St. 27; the bay at Itivdliarssuk; fine, grey clay; 24. 7. 1911; ∞ spec. — St. 28; the bay at Itivdliarssuk; 20—36 m; clay with stones; 24. 7. 1911; 4 spec. — St. 29; the head of the western branch of the Ugssuit broad, 16—16 m; sandy clay with stones; 4 spec. — St. 30; the western branch of the Ugssuit broad; 80—80 m; grey clay; 26. 7. 1911; 5 spec. — St. 31; the mouth of the Ugssuit broad; 46—35 m; gravel; 26. 7. 1911; 1 spec. — St. 34; a bay at the northern side of Ipiutarssuaq; 8—21 m; clayey sand with algæ; 28. 7. 1911; 10 spec. — St. 35; a bay at the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 4 spec. — Kvanefjord: St. 11; 290—320 m; stony clay; 26. 6. 1912; 1 spec. — St. 23; 410—200 m; clay with large stones; 29. 6. 1912; 2 spec. — Bredefjord: St. 32; 37—35 m; stones with algæ; 16. 7. 1912; 1 spec. — St. 36; 100—29 m; shell-gravel; 16. 7. 1912; 5 spec. — St. 45; 30—20 m; shell gravel, large stones; 18. 7. 1912; 7 spec. — St. 48; 500 m. w.; shell-gravel; 19. 7. 1912; 7 spec. — St. 62; 10—15 m; mud; 22. 7. 1912; 1 spec. — St. 70; 290—225 m; stones; 24. 7. 1912; 10 spec. — St. 72; 400 m. w.; 25. 7. 1912; 1 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 3 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; 6 spec. — St. 79; 30—50 m; shell-gravel; 27. 7. 1912; 2 spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec. — St. 90; 100—110 m; fine clay; 31. 7. 1912; ∞ spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 2 spec. — St. 103; 90—100 m; stones; 5. 8. 1912; 1 spec. — St. 104; 7—20 m; *Laminaria*; 5. 8. 1912; 5 spec. — St. 109; 125—140 m; stones, little mud; 7. 8. 1912; 3 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 1 spec. — St. 123; 5—10 m; algæ, some gravel; 25. 8. 1912; 3 spec. — St. 127; 10—15 m; gravel with little clay; 26. 8. 1912; 15 spec. — St. 134; 85—140 m; stones with little clay; 29. 8. 1912; 4 spec. — St. 135; 225—240 m; stony clay; 29. 8. 1912; 1 spec. — Skovfjord: St. 136; 6 m; black, putrid mud with decaying algæ; 30. 8. 1912; 6 spec. — St. 142; Tunugdliarfik; 14—18 m; algæ and gravel; 2. 9. 1912; 6 spec. — St. 143; Skovfjord; 65—90 m; clay with large stones; 3. 9. 1912; 12 spec. — St. 145; 10—35 m; stones and *Laminaria*; 5. 9. 1912; 2 spec.

Remarks: One of the most common polychætes in West-Greenland shallow waters and on the shelf; only occasionally found in the open sea; nowhere abyssal; common throughout the two big fjord areas.

Distribution: Circumpolar; boreal.

Family *Ampharetidæ* MALMGREN.

160. *Ampharete acutifrons* (GRUBE) 1860.

(Chart 30; XII; N.).

West-Greenland records:

1865. *Ampharete grubei* MALMGREN, p. 363.
 1867. *Ampharete grubei* MALMGREN, p. 104.
 1875. *Ampharete grubei* LÜTKEN, p. 174.
 1883. *Ampharete grubei* LEVINSEN, p. 308.
 1897. *Ampharete grubei* VANHÖFFEN, p. 224.
 1914. *Ampharete grubei* DITLEVSEN, p. 720.
 1950. *Ampharete grubei* VIBE, p. 97.

Occurrence:

Coastal waters: Saunders Ø; 31. 7. 1939; 45m; Vibe. — Augpa-lârtoq; about 500 m. — Godhavn; Olrik; 3 spec. — Egedesminde; Bergendal; ∞ spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with a few stones and rocks; 23. 6. 1911; 3 spec. — St. 19; the Sánerut bay; 40—20 m; grey clay with stones; 12. 7. 1911; 2 spec. — Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec.

Remarks: Only sporadically found along the coast.

Distribution: Arctic; boreal; lusitanian; not entering the deep sea.

161. *Ampharete finmarchica* (M. SARS) 1864.

(Chart 30; XII; N; g.).

West-Greenland records:

1897. *Ampharete arctica* VANHÖFFEN, p. 224.
 1898. *Ampharete arctica* MICHAELSEN, p. 129.
 1914. *Ampharete arctica* DITLEVSEN, p. 721.

Occurrence:

Coastal waters: Qarajaqs Isfjord. — Egedesminde; Bergendal; 2 spec.

The fjords: Nordre Strømfjord: St. 3 A; 17 miles from the mouth; 325—330 m; ooze?; 25. 6. 1911; 3 spec. — St. 23; the Ugssuit broad; 50—52 m; fine, grey clay; 16. 7. 1911; 1 spec. — St. 27; the bay at Itivdliarssuk; 20—36 m; clay with stones; 24. 7. 1911; 1 spec. — St. 29; the head of the western branch of the Ugssuit broad; 16—16 m; sandy clay with stones; 26. 7. 1911; 1 spec. — St. 35; a bay on the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 6 spec. — Kvanefjord: St. 3; 210 m; clay with big stones; 22. 6. 1912; 1 spec. — Bredefjord: St. 49; 490—490 m; mud; 19. 7. 1912; 1 spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 77; 470—245 m; stony clay;

27. 7. 1912; 1 spec. — St. 90; 100—110 m; fine clay; 31. 7. 1912; 1 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 1 spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 2 spec. — St. 97; 250—280 m; stony clay; 4. 8. 1912; 1 spec. — St. 117; 100—120 m; stones, little clay; 10. 8. 1912; 1 spec. — Skovfjord: St. 139; 280—300 m; clay without stones; 2. 9. 1912; 1 spec. — Tunugdliarfik; St. 140; 125—145 m; stones; 2. 9. 1912; 1 spec.

Remarks: The species seems to be rare along the coast, but fairly common in both fjord areas, in which it is found right to the head of both of them.

Distribution: Mainly arctic, but also known from the west coast of Scandinavia.

162. *Ampharete goësi* MALMGREN 1865.

(Chart 30).

West-Greenland records:

1875. *Ampharete goësi* LÜTKEN, p. 174.
 1883. *Ampharete goësi* LEVINSEN, p. 308.
 1897. *Ampharete goësi* VANHÖFFEN, p. 224.
 1914. *Ampharete goësi* DITLEVSEN, p. 721.
 1950. *Ampharete goësi* E. WESENERG-LUND, p. 47.

Occurrence:

The open sea: 64°02' N. 52°25' W.; 160 m; Riis-Carstensen; 27. 7. 1926; 1 spec.

Coastal waters: Godhavn; Olrik; ∞ spec. — Egedesminde; Levinssen; 3 spec.

Remarks: The species is only occasionally found in West-Greenland waters.

Distribution: Circumpolar and exclusively arctic.

[*Anobothrus gracilis* (MALMGREN) 1865.

West-Greenland records:

1883. *Anobothrus gracilis* LEVINSEN, p. 309.
 1897. *Anobothrus gracilis* VANHÖFFEN, p. 224.
 1914. *Anobothrus gracilis* DITLEVSEN, p. 721.

Occurrence:

According to DITLEVSEN op. cit.: Greenland without any further data.

Remarks: It is doubtful whether this species really occurs in West-Greenland; the specimens in the collection of the museum labelled *A. gracilis* proved to be *Samythella neglecta* Wollebæk.

Distribution: The Kara Sea, Scandinavia, Denmark; east coast of North America.]

163. *Sabellides borealis* M. Sars 1856.

(Chart 30; N.).

West-Greenland records:

1865. *Sabellides borealis* MALMGREN, p. 368.
 1867. *Sabellides borealis* MALMGREN, p. 106.
 1875. *Sabellides borealis* LÜTKEN, p. 174.
 1883. *Sabellides borealis* LEVINSEN, p. 309.
 1897. *Sabellides borealis* VANHÖFFEN, p. 224.
 1898. *Sabellides borealis* MICHAELSEN, p. 129.
 1914. *Sabellides borealis* DITLEVSEN, p. 722.
 1937. *Sabellides borealis* DITLEVSEN, p. 40.
 1950. *Sabellides borealis* E. WESENBERG-LUND, p. 47.

Occurrence:

The open sea: 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec. — Totness Road, Exeter Sound; 75—200 m; "Godthaab" St. 166 a; 17. 9. 1928; ∞ spec.

Coastal waters: The western side of Qutdlikorssuit island; 73°55' N. 56°40' W.; 10—25 m; Fr. Johansen; 20. 8. 1931; spec. — Augpalârtoq. — Qarajaqs Isfjord. — Arsuk Fjord. — Julianehaab.

The fjords: Bredelfjord: St. 95; 115—155 m; stony clay; 3. 8. 1912; 1 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 1 spec. — St. 127; 10—15 m; gravel with little clay; 26. 8. 1912; 1 spec.

Remarks: A few finds from about 74° to 61° N. Lat.; mainly in littoral waters. In Bredelfjord from the mouth to the head from three widely separated localities.

Distribution: Widely spread in the Arctic; Norway; Great Britain.

164. *Amphicteis gunneri* M. Sars 1835.

(Chart 30; N.).

West-Greenland records:

1865. *Amphicteis gunneri* MALMGREN, p. 365.
 1867. *Amphicteis gunneri* MALMGREN, p. 105.
 1875. *Amphicteis gunneri* LÜTKEN, p. 174.
 1883. *Amphicteis gunneri* LEVINSEN, p. 309.
 1914. *Amphicteis gunneri* DITLEVSEN, p. 727.
 1937. *Amphicteis gunneri* DITLEVSEN, p. 39.
 1950. *Amphicteis gunneri* E. WESENBERG-LUND, p. 47.

Occurrence:

The open sea: 76°37,4' N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 1 spec. — 75°58' N. 81° 01' W.; 610 m; "Godthaab" St. 119;

17. 8. 1928; ∞ spec. — $74^{\circ}12'$ N. $77^{\circ}00'$ W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 1 spec. — $67^{\circ}48'$ N. $60^{\circ}48'$ W.; 1600 m; "Godthaab" St. 162 a; 13. 9. 1928; 2 spec. — $66^{\circ}35'$ N. $56^{\circ}38'$ W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 10 spec. — $66^{\circ}21'$ N. $56^{\circ}54'$ W.; 600—700 m; "Tjalfe" St. 365; 18. 5. 1909; 6 spec. — $65^{\circ}36'$ N. $56^{\circ}24'$ W; Wandel; 1889; 1 spec. — $65^{\circ}16'$ N. $55^{\circ}05'$ W., 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — $63^{\circ}56'$ N. $53^{\circ}12'$ W.; 200 m; Wandel St. 2; 1 spec.

Coastal waters: Umanak. — Julianehaab.

The fjords: Bredefjord: St. 34; 460—550 m; clay; 16. 7. 1912; 2 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 10 spec. — St. 55; 330—310 m; clay, a few small stones; 20. 7. 1912; ∞ spec. — St. 67; 310—220 m; stony clay; 24. 7. 1912; 1 spec. — St. 69; 355—290 m; mud; 24. 7. 1912; 10 spec. — St. 70; 290—225 m; stones and clay; 24. 7. 1912; 1 spec. — St. 76; 320—260 m; stones and clay; 25. 7. 1912; 1 spec. — St. 91; 180—110 m; stony clay; 1. 8. 1912; 1 spec. — St. 97; 250—380 m; stony clay; 4. 8. 1912; 4 spec. — St. 98; 520—560 m; fine clay with a few stones; 1 spec. — St. 121; 700 m; clay; 25. 8. 1912; 5 spec. — Skovfjord: St. 156; 305—310 m; stony clay; 5. 9. 1912; 1 spec.

Remarks: Widely spread from the entrances of both Smith's Sound, Jones' Sound and Lancaster Sound to Julianehaab, both in the open sea and along the coast, not pronouncedly abyssal; fairly common in the outer parts of Bredefjord.

Distribution: Widely distributed in the Arctic; furthermore Scandinavia, Denmark; lusitanian; Mediterranean.

165. *Amphicteis sundevalli* MALMGREN 1865.

(Chart 30; N.).

West-Greenland records:

1879. *Amphicteis sundevalli* Mc'INTOSH, p. 132.
 1914. *Amphicteis sundevalli* DITLEVSEN, p. 722.
 1950. *Amphicteis sundevalli* E. WESENBERG-LUND, p. 47.

Occurrence:

The open sea: $63^{\circ}57'$ N. $52^{\circ}41'$ W.; 64 m; "Ingolf" St. 36; 26. 6. 1895; 1 spec.

Coastal waters: Discovery Bay.

The fjords: Bredefjord: St. 110; 55—90 m; stony clay; 8. 8. 1912; 1 spec.

Remarks: A single find on Fylla's Banke, and one at the head of the Sermilik. Mc'INTOSH op. cit. has reported a find from the highest north.

Distribution: Exclusively arctic. Not common anywhere except in the Spitsbergen area.

166. *Lysippe labiata* MALMGREN 1865.

(Chart 30; XII;).

West-Greenland records:

1875. *Lysippe labiata* LÜTKEN, p. 174.
 1883. *Lysippe labiata* LEVINSEN, p. 309.
 1897. *Lysippe labiata* VANHÖFFEN, p. 224.
 1914. *Lysippe labiata* DITLEVSEN, p. 722.
 1937. *Lysippe labiata* DITLEVSEN, p. 40.
 1950. *Lysippe labiata* E. WESENBERG-LUND, p. 48.

Occurrence:

The open sea: 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 1 spec. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 1 spec.

Coastal waters: 69°41,3' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — Jakobshavn; Traustedt; 1 spec. — Ikertôq Fjord; 60 m; Holm; 1. 8. 1886; 1 spec.

The fjords: Nordre Strømfjord: St. 11 A; 53 miles from the mouth; 380—380 m; grey clay; 6. 7. 1911; 1 spec. — St. 23; the Ugssuit broad; 50—52 m; fine, grey clay; 16. 7. 1911; 1 spec. — St. 24; the Ugssuit broad; 6—18 m; grey, fat clay; 16. 7. 1911; 3 spec. — St. 25; the Ugssuit broad; 175—175 m; grey clay; 16. 7. 1911; 3 spec. — St. 27; the bay at Itivdliarssuk; 75—75 m; fine, grey clay; 24. 7. 1911; 1 spec. — Skovfjord: St. 146; 305—310 m; stones and Laminaria; 5. 9. 1912; 3 spec.

Remarks: Only between 70° and 65° N. Lat. in the open sea; at the head of the Ugssuit broad of Nordre Strømfjord; mainly a low water form inhabiting soft bottoms.

Distribution: Widely distributed in the Arctic.

167. *Samythella neglecta* WOLLEBÆK 1912.

(Chart 30; M.).

West-Greenland records:

1937. *Samytha sexcirrata* DITLEVSEN, p. 41.
 1950. *Samythella neglecta* E. WESENBERG-LUND, p. 50.

Occurrence:

The open sea: 69°46,3' N 59°43,4' W.; 930 m; "Godthaab" St. 52; 6 spec. — 66°22 N. 57°16' W.; 686 m; "Tjalfe" St. 366; 19. 5. 1909; 1 spec.

The fjords: Bredefjord: St. 34; 460—550 m; clay; 16. 7. 1912; 3 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 3 spec. — St. 121; 700 m; clay; 25. 8. 1912; 1 spec.

Remarks: Only between 70° and 65° N. Lat. in the open sea, and in depths from about 700 to 1000 m.

Distribution: Previously only known from the Norwegian Sea between the Faroes and Norway.

168. *Glyphanostomum palescens* (THÉEL) 1879.

(Chart 31; N.).

West-Greenland records:

1950. *Glyphanostomum palescens* E. WESENBURG-LUND, p. 48.

Occurrence:

The open sea: 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 1 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 3 spec.

The fjords: Bredefjord St. 46; 30—20 m; shell-gravel with fairly big stones; 18. 7. 1912; 2 spec. — Skovfjord: St. 146; 305—310 m; stony clay; 5. 9. 1912; 1 spec.

Remarks: A few finds outside the off-shore banks, one of them in real abyssal depth. A single find in Bredefjord and Skovfjord.

Distribution: Arctic; mainly abyssal.

169. *Amage auricula* MALMGREN 1865.

(Chart 31).

West-Greenland records:

1877. *Amage auricula* Mc'INTOSH, p. 508.

1883. *Amage auricula* LEVINSEN, p. 309.

1897. *Amage auricula* VANHÖFFEN, p. 224.

1914. *Amage auricula* DITLEVSEN, p. 723.

Occurrence:

The open sea: 67°50' N. 55°27' W.; 40 m; "Valorous" St. 2.

Coastal waters: Jakobshavn; 20 m; Bergendal; 1 spec.

Remarks: Two finds in low water between 59° and 68° N. Lat.

Distribution: Arctic; boreal; most frequently in littoral waters.

170. *Melinna cristata* (M. SARS) 1856.

(Chart 31; O; g.).

West-Greenland records:

1867. *Melinna cristata* MALMGREN, p. 106.

1875. *Melinna cristata* LÜTKEN, p. 174.

1883. *Melinna cristata* LEVINSEN, p. 309.

1897. *Melinna cristata* VANHÖFFEN, p. 224.
 1914. *Melinna cristata* DITLEVSEN, p. 723.
 1937. *Melinna cristata* DITLEVSEN, p. 41.
 1950. *Melinna cristata* E. WESENBERG-LUND, p. 49.

Occurrence:

The open sea: 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 3 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 1 spec. — 64°02' N. 52°25' W.; 85 m; Riis-Carstensen; 27. 7. 1926; 1 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 1 spec.

Coastal waters: Julianehaab.

The fjords: Kvanefjord: St. 23; 410—200 m; clay with big stones; 29. 6. 1912; 10 spec. — Bredefjord: St. 45; 430—450 m; mud; 18. 7. 1912; 1 spec. — St. 55; 330—310 m; clay with a few, small stones; 20. 7. 1912; 1 spec. — St. 69; 355—290 m; mud; 24. 7. 1912; 2 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 1 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; ∞ spec. — St. 87; 230 m; stony clay; 31. 7. 1912; 1 spec. — St. 97; 250—380 m; stony clay; 4. 8. 1912; 2 spec. — St. 121; 700 m; clay; 25. 8. 1912; 3 spec. —

Remarks: Both true abyssal and inside the 1000 m line, mainly in the open sea. Common in the outer and central parts of Bredefjord.

Distribution: Widely distributed in the arctic; generally not abyssal; in all parts of the boreo-arctic area; lusitanian.

171. *Melinnides rostrata* E. WESENBERG-LUND 1950.

(Chart 31).

West-Greenland records:

1950. *Melinnides rostrata* E. WESENBERG-LUND, p. 49.

Occurrence:

The open sea: 60°17' N. 54°05' W.; 3229 m; "Ingolf" St. 37; 27. 7. 1895; 1 spec.

Remarks: This genus (and species) was established upon the single specimen from the abyssal region at the entrance of Davisstrædet.

Distribution: Only known from the above mentioned locality.

Family Terebellidæ GRUBE.

Subfamily Amphitritinæ MALMGREN.

172. *Amphitrite cirrata* (O. FR. MÜLLER) 1776. (Chart 32; XIII; O; h.).

West-Greenland records:

1780. *Amphitrite cirrata* FABRICIUS, p. 285.
 1865. *Amphitrite cirrata* MALMGREN, p. 365.
 1867. *Amphitrite cirrata* MALMGREN, p. 107.
 1875. *Amphitrite cirrata* LÜTKEN, p. 174.
 1877. *Amphitrite cirrata* MCINTOSH, p. 508.
 1883. *Amphitrite cirrata* LEVINSEN, p. 310.
 1889. *Amphitrite cirrata* HOLM, p. 156.
 1897. *Amphitrite cirrata* VANHÖFFEN, p. 224.
 1898. *Amphitrite cirrata* MICHAELSEN, p. 129.
 1902. *Amphitrite cirrata* MOORE, p. 276.
 1914. *Amphitrite cirrata* DITLEVSEN, p. 725.
 1937. *Amphitrite cirrata* DITLEVSEN, p. 41.
 1950. *Amphitrite cirrata* E. WESENBERG-LUND, p. 50.

Occurrence:

The open sea: 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec. — Store Hellefiskebanke; 35 m; Holm; 5. 8. 1886; 1 spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec. — 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 4 spec. — 63°06' N. 56°00' W.; 2258 m; "Ingolf" St. 24; 25. 6. 1895; 5 spec. — 62°07' N. 55°00' W.; 2750 m; "Godthaab" St. 180; 6. 10. 1928; 3 spec. — 61°50' N. 56°21' W.; 2702 m; "Ingolf" St. 36; 28. 7. 1895; 2 spec.

Coastal waters: Foulke Fjord. — Barden Bugt. — The northern side of Thule bay; "Godthaab" 14. 8. 1928; 1 spec. — Thule harbour; 14 m; Salomonsen; 14-15. 8. 1936; 2 spec. — Prøven; Olrik; 1 spec. — Qarajaqs Isfjord. — Ritenbenk; Andersen; 4 spec. — Godhavn; Olrik; 1 spec. — Egedesminde; Bergendal, Olrik a. o.; about 10 spec. — Holsteinsborg; Bergendal; 4 spec. — Sukkertoppen; 20 m; Holm; 5. 7. 1884; 1 spec. — Godthaab; 25 m; Holm; 30. 6. 1884; 1 spec. — Godthaab; Ryder; Holbøll a. o.; 10 spec. — The head of the Kapisigdlitfjord, W. of the Lakseelv; "Dana" St. 2324; 15. 6. 1925; 1 spec. — At Ravns Storø; 10-20 m; "Godthaab" St. 29 b; 1 spec. — Ivigtut; Nielsen; 1 spec. — Narssåraq.

The fjords: Nordre Strømfjord: St. 3 B; 17 miles from the mouth; 14-38 m; ooze; 25. 6. 1911; 1 spec. — St. 7; 51-54 m; clayey sand; 27. 6. 1911; 1 spec. — St. 35; bay at the northern side of Ipiutarssuaq; 225-210 m; 28. 7. 1911; 2 spec. — Kvanefjord: St. 23; 410-200 m;

clay with big stones; 29. 6. 1912; 1 spec. — Bredefjord: St. 40; 170—180 m; shell-gravel with stones; 17. 7. 1912; 2 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 1 spec. — St. 70; 290—225 m; stones; 24. 7. 1911; 3 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; 1 spec. — St. 76; 320—260 m; stony clay; 25. 7. 1912; 2 spec. — St. 97; 250—380 m; stony clay; 4. 8. 1912; 3 spec. — St. 121; 700 m; clay; 25. 8. 1912; 1 spec. — St. 135; 225—240 m; stony clay; 29. 8. 1912; 1 spec. — Skovfjord: St. 155; 220 (240)—400 m; stones without clay; 15. 9. 1912; 3 spec.

Remarks: From Thule to Julianehaab district mainly in shallow, coastal waters and on the banks; a few finds, however, in true abyssal regions too; In the fjords it is only found in the outer and central parts.

Distribution: Widely spread in the arctic and boreal regions; lusitanian, ranging to the Mediterranean.

173. *Amphitrite affinis* MALMGREN 1865.

(Chart 32; O.).

West-Greenland records:

1950. *Amphitrite affinis* E. WESENBERG-LUND, p. 50.

Occurrence:

The open sea: 66°50' N. 54°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; 2 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec.

The fjords: Bredefjord St. 95; 115—155 m; stony clay; 3. 8. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 1 spec.

Remarks: Only at two localities; not abyssal off Holsteinsborg; furthermore a few finds in Bredefjord.

Distribution: In the Arctic only known from West Greenland and Spitsbergen; boreal and lusitanian; but much scarcer than the preceding species.

Greenlandic: Iglulualik.

174. *Amphitrite groenlandica* MALMGREN 1865.

(Chart 32; XIII; O.).

West-Greenland records:

1865. *Amphitrite groenlandica* MALMGREN, p. 376.

1867. *Amphitrite groenlandica* MALMGREN, p. 107.

1875. *Amphitrite groenlandica* LÜTKEN, p. 174.

1883. *Amphitrite groenlandica* LEVINSEN, p. 310.
 1897. *Amphitrite groenlandica* VANHÖFFEN, p. 224.
 1914. *Amphitrite groenlandica* DITLEVSEN, p. 725.
 1950. *Amphitrite groenlandica* E. WESENBURG-LUND, p. 51.

Occurrence:

The open sea: 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 1 spec.

Coastal waters: Augpalârtoq; about 480 m. — Sukkertoppen; about 385 m.

The fjords: Nordre Strømfjord: St. 32; 5 miles W.S.W. of Sarfarsuaq; 35—20 m; 27. 7. 1911; 1 spec. — St. 33; 5 miles W.S.W. of Sarfarsuaq; 150—150 m; 27. 7. 1911; 1 spec. — St. 35; Bay on the northern side of Spiutarssuaq; 225—210 m; 28. 7. 1911; 1 spec. — Bredefjord: St. 33; 220—100 m; stones without algæ; 16. 7. 1912; 1 spec. — St. 135; 225—240 m; stony clay; 29. 8. 1912; 2 spec. — Skovfjord: St. 141; 35—70 m; stones with barnacles; 2. 9. 1912; 2 spec. — St. 144; 250—300 m; stones with clay; 3. 9. 1912; 1 spec.

Remarks: A single find on the submarine ridge in Davisstræde and at three widely spread localities in the Bredefjord; in the Nordre Strømfjord almost at the head of the fjord.

Distribution: A typical arctic species but neither so common nor so abundant as *Amphitrite cirrata*.

175. *Nicolea venustula* (MONTAGU) 1818.

(Chart 32; XIII; O; h.).

West-Greenland records:

1865. *Nicolea arctica* MALMGREN, p. 381.
 1867. *Nicolea arctica* MALMGREN, p. 109.
 1875. *Nicolea arctica* LÜTKEN, p. 174.
 1877. *Nicolea zostericola* Mc'INTOSH, p. 508.
 1877. *Nicolea arctica* Mc'INTOSH, p. 508.
 1883. *Nicolea zostericola* LEVINSEN, p. 309.
 1897. *Nicolea venustula* VANHÖFFEN, p. 224.
 1898. *Nicolea venustula* MICHAELSEN, p. 129.
 1902. *Nicolea zostericola* MOORE, p. 276.
 1914. *Nicolea zostericola* DITLEVSEN, p. 724.
 1914. *Nicolea venustula* DITLEVSEN, p. 724.
 1937. *Nicolea venustula* DITLEVSEN, p. 43.
 1950. *Nicolea venustula* E. WESENBURG-LUND, p. 51.

Occurrence:

The open sea: 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec. — Fyllas Banke; 50 m; O. Hagerup; 1925; 1 spec.

Coastal waters: The Melville Bugt; Northumberland Ø; 20—25 m. — The harbour at the western side of the Qutdlikorssuit island, 73°55' N. 56°40' W.; 10—25 m; Fr. Johansen; 20. 8. 1931; 1 spec. — Sigridshavn, Langø, Upernavik; 10—19, 5m; Salomonsen; 21. 7. 1936; 2 spec. — Upernavik; Ryder; 1889; 1 spec. — Upernavik harbour; 20 m; Holm; 19. 7. 1886; 5 spec. — Prøven; Olrik; 2 spec. — Qarajaqs Isfjord. — Sarqaq at Ritenbenk; Pfaff. — Godhavn; Olrik; 2 spec. — 69°17' N. 52° 50' W.; 450 m; "Tjalfe" St. 118; 10 spec. — Egedesminde; Bergendal; 1890; 2 spec. — Holsteinsborg Harbour. — Godthaab harbour; 45 m; Holm; 19. 6. 1886; 2 spec. — 62°58' N. 50° 52' W.; 45 m; "Tjalfe" St. 465; 21. 6. 1909; 1 spec.

The fjords: Nordre Strømfjord: Bay at the northern side of Ipintarssuaq, St. 34; 8—21 m; clayey sand with *Laminaria* and other algæ; 28. 7. 1911; 1 spec. — St. 19 B; 53 miles from the mouth; 67—56 m; grey clay with stones; 12. 7. 1911; 1 spec. — Kvanefjord: St. 13; 34 m; algæ with hydroids; 26. 6. 1912; 1 spec. — Bredefjord: St. 46; 30—20 m; shell-gravel with big stones; 18. 7. 1912; 1 spec.

Remarks: From Melville Bugt to Fiskenæsset, mainly in shallow waters. In Bredefjord only in the outer part; in Nordre Strømfjord it penetrates into the Sânerut broad.

Distribution: The species has a very wide range in arctic and boreal regions; lusitanian; Mediterranean.

176. *Pista maculata* (DALYELL) 1853.

(Chart 33; XIII; P; h.).

West-Greenland records:

1865. *Scione lobata* MALMGREN, p. 383.
 1867. *Scione lobata* MALMGREN, p. 109.
 1875. *Scione lobata* LÜTKEN, p. 175.
 1883. *Scione lobata* LEVINSSEN, p. 309.
 1897. *Scione lobata* VANHÖFFEN, p. 224.
 1898. *Scione lobata* MICHAELSEN, p. 130.
 1902. *Scione lobata* MOORE, p. 276.
 1914. *Scione lobata* DITLEVSEN, p. 724.
 1937. *Scione lobata* DITLEVSEN, p. 44.
 1950. *Pista maculata* E. WESENBERG-LUND, p. 52.

Occurrence:

The open sea: 78°14' N. 74°10' W.; 672 m; "Godthaab" St. 99; 8. 8. 1928; 2 spec. — 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; ∞ spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; ∞ spec. — 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 6 spec. — 72°33,5' N. 57°36' W.; 314 m; "Godthaab"

St. 14; 6. 6. 1928; 8 spec. — 70°42' N. 54°28' W.; 476 m. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 66°35' N. 55°54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 2 spec. — 63°54' N. 53°15' W.; 988 m.

Coastal waters: Barden Bugt; 20—35 m; 77°17' N. 69°59' W.; 930 m; "Godthaab" St. 90; 5. 8. 1928; 10 spec. — 77°05,3' N. 71°13' W.; 790 m; "Godthaab" St. 87; 4. 8. 1928; 10 spec. — Wolstenholme Fjord, Thule; 70 m; Freuchen; 24. 7. 1917; ∞ spec. — The neighbourhood of Upernavik; Drosvad. — Umanak. — Qarajaqs Isfjord; 40—80 m. — 69°15' N. 53°18' W.; 280 m; "Tjalfe" St. 182; 10. 8. 1908; 3 spec. — Arsuk Fjord.

The fjords: Nordre Strømfjord: St. 31; the mouth of the western branch of the Ugssuit broad; 46—35 m; gravel; 26. 7. 1911; 2 spec. — St. 33; 5 miles W.S.W. of Sarfarssuaq; 150—150 m; 27. 7. 1911; 2 spec.; — St. 35, bay at the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 1 spec. — Kvanefjord St. 1; 84 m; stones without algæ; 21. 6. 1912; 1 spec. — Bredefjord St. 74; 200—90 m; stones with little clay; 25. 7. 1912; 2 spec. — St. 75; 270—200 m; stony clay; 25. 7. 1912; ∞ spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; ∞ spec. — St. 102; 90—100 m; stones; 5. 8. 1912; — St. 111; 115—115 m; stony clay; 8. 8. 1912; ∞ spec. — St. 134; 85—140 m; stones, little clay; 29. 8. 1912; ∞ spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; ∞ spec. — St. 152; 80—120 m; stones with barnacles; 13. 9. 1912; 3 spec.

Remarks: Along the whole coast; especially common and abundant in the northern part of Baffins Bugt and Smith Sund; furthermore in the central part of Nordre Strømfjord. All over Bredefjord even in the innermost branch of the Sermilik at Tasiussaq; vertical branch of the Sermilik at Tasiussaq; vertical range from 80 m to about 1000 m.

Distribution: Pronouncedly arctic.

177. *Pista flexuosa* (GRUBE) 1860.

(Chart 33; XIII).

West-Greenland records:

1865. *Axionice flexuosa* MALMGREN, p. 384.
 1867. *Axionice flexuosa* MALMGREN, p. 109.
 1875. *Axionice flexuosa* LÜTKEN, p. 175.
 1883. *Axionice flexuosa* LEVINSSEN, p. 309.
 1897. *Axione flexuosa* VANHÖFFEN, p. 224.
 1902. *Axionice flexuosa* MOORE, p. 276.
 1914. *Axionice flexuosa* DITLEVSEN, p. 723.
 1937. *Scione flexuosa* DITLEVSEN, p. 44.
 1950. *Pista flexuosa* E. WESENBERG-LUND, p. 52.
 1950. *Scione flexuosa* VIBE, p. 97.

Occurrence:

The open sea: 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 1 spec. — 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 3 spec.

Coastal waters: Saunders Ø; 31. 7. 1939; 43 m; Vibe. — Neqé; 12. 10. 1939; 25—40 m; Vibe. — Prøven; Orlík; 2 spec. — 71°21' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; 3 spec. — Jakobshavn; Traustedt; ∞ spec.

The fjords: Nordre Strømfjord St. 2; 375—380 m; ooze with a few stones or rocks; 23. 6. 1911; 1 spec. — St. 34; Bay at the northern side of Ipiutarssuaq; 8—21 m; 28. 7. 1911; ∞ spec.

Remarks: From about 75° to 64° N. Lat. Two finds in Nordre Strømfjord in the outer and central part resp., not met with in Bredefjord; seems to be restricted to shallow waters.

Distribution: Exclusively arctic and widely distributed inside this area.

178. *Læna abbranchiata* MALMGREN 1865.

(Chart 33; XIII.).

West-Greenland records:

1865. *Læna abbranchiata* MALMGREN, p. 385.
 1867. *Læna abbranchiata* MALMGREN, p. 110.
 1875. *Læana abbranchiata* LÜTKEN, p. 175.
 1877. *Læana abbranchiata* Mc'INTOSH, p. 508.
 1883. *Læana abbranchiata* LEVINSEN, p. 311.
 1897. *Læna abbranchiata* VANHÖFFEN, p. 224.
 1898. *Læna abbranchiata* MICHAELSEN, p. 130.
 1914. *Læna abbranchiata* DITLEVSEN, p. 726.
 1937. *Læna abbranchiata* DITLEVSEN, p. 43.

Occurrence:

The open sea: 77°17' N. 69° 59' W.; 930 m; "Godthaab" St. 87; 5. 8. 1928; 1 spec. — 77°05' N. 71°13' W.; 780 m; "Godthaab" St. 131; 4. 8. 1928; 1 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 90; 22. 8. 1928; 1 spec. — 66°59' N. 55°27' W.; 113 m; "Valorous" St. 5; sand, shells. — 64°05' N. 56°47' W.; 822 m; "Valorous" St. 6; mud with sand.

Coastal waters: Qarajaqs Isfjord. — Egedesminde; 65—98 m; Traustedt; 1 spec. — Ameragdla; "Ingolf" St. vac. 22. 7. 1895; 1 spec.

The fjords: Nordre Strømfjord: St. 11; 53 miles from the mouth; 380—380 m; grey clay; 6. 7. 1911; 1 spec.

Remarks: From about 78° to 64° N. Lat. inside the 1000 m line. In the fjords only found once in the central part of Nordre Strømfjord.

Distribution: Exclusively or almost exclusively arctic.

179. *Baffinia multisetosum* E. WESENBERG-LUND 1950.
(Chart 33).

West-Greenland records:

1950. *Baffinia multisetosum* E. WESENBERG-LUND, p. 53.

Occurrence:

Coastal waters: 70°49' N. 53°16' W.; 489 m; "Tjalfe" St. 159; 30. 7. 1908; 1 spec.

Remarks: Until now only known from the above mentioned locality, from where the type specimen originates.

Subfamily **Thelepinæ** HESSLE.

180. *Thelepus cincinnatus* (O. FABRICIUS) 1780.
(Chart 34; XIV; P; h.).

West-Greenland records:

1780. *Amphitrite cincinnata* O. FABRICIUS, p. 286.

1865. *Thelepus cincinnatus* MALMGREN, p. 387.

1867. *Thelepus cincinnatus* MALMGREN, p. 110.

1875. *Thelepus cincinnatus* LÜTKEN, p. 175.

1877. *Thelepus cincinnatus* Mc'INTOSH, p. 508.

1883. *Thelepus cincinnatus* LEVINSEN, p. 311.

1897. *Thelepus cincinnatus* VANHÖFFEN, p. 224.

1902. *Thelepus cincinnatus* MOORE, p. 276.

1914. *Thelepus cincinnatus* DITLEVSEN, p. 727.

1937. *Thelepus cincinnatus* DITLEVSEN, p. 42.

1950. *Thelepus cincinnatus* E. WESENBERG-LUND, p. 54.

Occurrence:

The open sea: 78°14' N. 74°10' W.; 672 m; "Godthaab" St. 99; 8. 8. 1928; 5 spec. — 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; ∞ spec. — 76°37,4' N. 74°18' W.; 580 m; "Godthaab" St. 112; 16. 8. 1928; 10 spec. — 75°54' N. 81°01' W.; 610 m; "Godthaab" St. 119; 17. 8. 1928; 2 spec. — 74°41' N. 70°30' W.; 1200 m; "Godthaab" St. 135; 23. 8. 1928; 3 spec. — 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; ∞ spec. — 72°33,5' N. 57°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 69°41' N. 55°01,2' W.; 80 m; "Godthaab" St. 47; 13. 7. 1928; 4 spec. — 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 16. 7. 1895; ∞ spec. — 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7. 1895; 1 spec. — 65°00' N. 53°00' W.; 60 m; "Alert" St. 1; rocky, gravelly bottom. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 64°02' N. 52°25' W.; 85 m; Riis-Carstensen; 27. 7. 1926; 1 spec. — 61°11' N. 52°47' W.; 100 m; "Dana" St. 2318; 9. 6. 1925; 3 spec.

Coastal waters: Foulke Fjord; 25 m. — Granville Bugt. — Off Kap Chalon; 70 m. — Robertson Bugt. — Olrik Fjord. — 77°05,5' N. 71°13' W.; 790 m; "Godthaab" St. 87; 4. 8. 1928; 2 spec. — 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 2 spec. — 76°24' N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 5 spec. — Prøven; 40 m. — 70°47,5' N. 52°21' W.; 600 m; "Tjalfe" St. 175; 6. 8. 1908; 1 spec. — 70°30' N. 54°41' W.; 350 m; "Valorous" St. 1; sandy mud. — Off Hareøen; Disko; 350 m. — Godhavn; Olrik; 1 spec. — Egedesminde; Bergendal; 1 spec. — Store Hellefiskebanke; Holm; 5. 8. 1886; 1 spec. — Holsteinsborg; 3 spec. — Ikertôq Fjord; 60 m; Holm; 1. 8. 1886; 4 spec. — Lille Hellefiskebanke; Holm; 10. 7. 1886; 4 spec. — Sukkertoppen; Holbøll; 1 spec. — 65°06' N. 54°10' W.; 80 m; "Tjalfe" St. 422; 7. 6. 1909; 5 spec. — Godthaab. — Fyllas Banke, off Godthaab; 50 m; Bornemann; 26. 6. 1912; 2 spec. — Off Hernhuterpynt, Godthaab; 10—20 m; "Godthaab" St. vac.; 18. 6. 1928; 10 spec. — Off Ravns Storø, 62°42' N. 25 m; "Godthaab" St. 29 b; 16. 8. 1928; 3 spec.

The fjords: Nordre Strømfjord: St. 9 b; 37 miles from the mouth; 44—64 m; stony and rocky bottom; 6. 7. 1911; 1 spec. — St. 36 A; E.S.E. of the Simiutat islands; 170—200 m; shell-bottom; 31. 7. 1911; 1 spec. — Kvanefjord: St. 13; 34 m; algæ with hydroids; 26. 6. 1912; 3 spec. — Bredefjord: St. 70; 290—225 m; stones, clay; 24. 7. 1912; 3 spec. — Skovfjord: St. 152; 80—120 m; stones with barnacles; 13. 9. 1912; 4 spec. — St. 156; 70—140 m; stones with barnacles; 15. 9. 1912; 1 spec.

Remarks: One of the most common polychætes in West-Greenland waters, along the coast as well as in the open sea; curiously enough only scarce in the fjords; in Nordre Strømfjord only at the mouth and in the outer part; in Brede-Skov- and Kvanefjord exclusively in the outermost parts. Mainly in shallow waters.

Distribution: Widely distributed and abundant all over the arctic and boreal parts of the Atlantic Ocean. On the European side it reaches the Mediterranean; on the American side the Gulf of Mexico; most abundant inside the 500 m line, but it may be found in abyssal regions too.

In Greenlandic: Iglulualik.

Subfamily **Polycirrinæ** MALMGREN.

181. *Polycirrus medusa* GRUBE 1855.

(Chart 34; P.).

West-Greenland records:

1865. *Ereutho smitti* MALMGREN, p. 391.

1867. *Ereutho smitti* MALMGREN, p. 111.

1875. *Ereutho smitti* LÜTKEN, p. 175.
 1883. *Leucariste smitti* LEVINSEN, p. 310.
 1897. *Leucariste smitti* VANHÖFFEN, p. 224.
 1914. *Leucariste smitti* DITLEVSEN, p. 726.
 1937. *Polycirrus medusa* DITLEVSEN, p. 44.
 1950. *Polycirrus medusa* E. WESENBURG-LUND, p. 54.

Occurrence:

The open sea: 75°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 3 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 63°57' N. 52° 41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895; 1 spec.

Coastal waters: Thule harbour; 14 m; Salomonsen; 14—15. 8. 1936; 1 spec. — Egedesminde; Bergendal; 1890; 3 spec. — Godthaab harbour; "Ingolf" St. vac.; 28. 6. 1895; 1 spec. — Julianehaab.

The fjords: Bredefjord St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — St. 110; 55—90 m; stony clay; 8. 8. 1912; 1 spec.

Remarks: From Thule to Godthaab a few widely separated localities mainly in shallow waters. In Bredefjord at the mouth and at the innermost branch of of the Sermilik.

Distribution: Widely distributed in the Arctic, but common nowhere.

182. *Polycirrus albicans* (MALMGREN) 1865.

(Chart 34; P.).

West-Greenland records:

1865. *Leucariste albicans* MALMGREN, p. 390.
 1867. *Leucariste albicans* MALMGREN, p. 111.
 1875. *Leucariste albicans* LÜTKEN, p. 175.
 1883. *Leucariste albicans* LEVINSEN, p. 310.
 1897. *Leucariste albicans* VANHÖFFEN, p. 224.
 1914. *Leucariste albicans* DITLEVSEN, p. 726.

Occurrence:

Coastal waters: Egedesminde; Levinsen. — Julianehaab.

The fjords: Bredefjord: St. 121; 700 m; clay; 25. 8. 1912; 1 spec.

Remarks: From off Upernavik to off Holsteinsborg in shallow waters. A single find at the mouth of Bredefjord.

Distribution: More exclusively arctic than the preceding species. In the boreo-arctic area known from Iceland and the Faroes.

Subfamily **Trichobanchinæ** MALMGREN.183. *Trichobranchnus glacialis* MALMGREN 1865.

(Chart 34; P.).

West-Greenland records:

1867. *Trichobranchnus glacialis* MALMGREN, p. 395.
 1875. *Trichobranchnus glacialis* LÜTKEN, p. 175.
 1877. *Trichobranchnus glacialis* Mc'INTOSH, p. 508.
 1883. *Trichobranchnus glacialis* LEVINSEN, p. 311.
 1897. *Trichobranchnus glacialis* VANHÖFFEN, p. 224.
 1898. *Trichobranchnus glacialis* MICHAELSEN, p. 130.
 1914. *Trichobranchnus glacialis* DITLEVSEN, p. 728.
 1937. *Trichobranchnus glacialis* DITLEVSEN, p. 45.
 1950. *Trichobranchnus glacialis* E. WESENBERG-LUND, p. 55.

Occurrence:

The open sea: 72°33,5' N. 57°36' W.; 191 m; "Godthaab" St. 61; 21. 7. 1928; 1 spec. — 69°41,3' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — 66°35' N. 55° 54' W.; 166 m; "Ingolf" St. 31; 11. 7. 1895; 1 spec.

Coastal waters: Qarajaqs Isfjord.

The fjords: Bredefjord: St. 48; 500 m. w.; 19. 7. 1912; 1 spec.

Remarks: From off Upernavik to off Holsteinsborg in rather low water. A single find at the mouth of Bredefjord.

Distribution: Widely spread in arctic and boreal areas, but nowhere common or abundant.

Subfamily **Artacaminæ** MALMGREN.184. *Artacama proboscidea* MALMGREN 1865.

West-Greenland records:

1875. *Artacama proboscidea* LÜTKEN, p. 175.
 1883. *Artacama proboscidea* LEVINSEN, p. 311.
 1897. *Artacama proboscidea* VANHÖFFEN, p. 224.
 1914. *Artacama proboscidea* DITLEVSEN, p. 728.

Remarks: LÜTKEN reports it from Greenland without further locality. Not found in the collections studied by me; but according to the further distribution of the species it may be expected to occur in Greenland waters.

Distribution: Spitsbergen and the Arctic Ocean, arctic America; Norwegian coast.

Subfamily *Canephorinæ* MALMGREN.185. *Terebellides strømi* M. SARS 1835.

(Chart 34; XIV; P.).

West-Greenland records:

1865. *Terebellides strømi* MALMGREN, p. 396.
 1867. *Terebellides strømi* MALMGREN, p. 112.
 1875. *Terebellides strømi* LÜTKEN, p. 175.
 1877. *Terebellides strømi* MC'INTOSH, p. 508.
 1883. *Terebellides strømi* LEVINSEN, p. 311.
 1897. *Terebellides strømi* VANHÖFFEN, p. 224.
 1898. *Terebellides strømi* MICHAELSEN, p. 130.
 1914. *Terebellides strømi* DITLEVSEN, p. 729.
 1937. *Terebellides strømi* DITLEVSEN, p. 45.
 1939. *Terebellides strømi* VIBE, p. 10; p. 24; p. 26.
 1950. *Terebellides strømi* E. WESEBERG-LUND, p. 55.
 1950. *Terebellides strømi* VIBE, p. 97.

Occurrence:

The open sea: 72°30' N. 59°02,5' W.; 245 m; "Godthaab" St. 60; 21. 7. 1928; 1 spec. — 69°44' N. 57°22' W.; 215 m; "Godthaab" St. 50; 13. 7. 1928; 4 spec. — 69°42' N. 56°20' W.; 160 m; "Godthaab" St. 49; 13. 7. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 2 spec. — 65°36' N. 52°24' W.; 600 m; Wandel; 5. 10. 1889; 1 spec. — 65°14' N. 55°42' W.; 791 m; "Ingolf" St. 28; 1. 7. 1895; 10 spec. — 64°50' N. 56°47' W. 800 m; "Valorous" St. 6; mud. — 64°01' N. 52°40' W.; 83 m; Riis-Carstensen; 20. 7. 1926; 1 spec. — 63°06' N. 52°00' W. 2258 m; "Ingolf" St. 24; 25. 6. 1895; 10 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 10 spec. — 63°09' N. 55°43' W.; 2200 m; "Valorous"; St. 7; sandy mud.

Coastal waters: Thule harbour; 14 m; Salomonsen; 14—15. 8. 1936; ∞ spec. — Uvdle, Thule; 12—30 m; Vibe; 30. 7. 1939; 10 spec. — The harbour; Langø at Upernavik; 9—19,5 m; Salomonsen; 12. 6. 1936; 5 spec. — The harbour; Upernavik; 18 m; Salomonsen; 16. 6. 1936; 1 spec. — Sigridshavn, Langø; Upernavik; 19,5 m; Salomonsen; 21. 7. 1936; 1 spec. — 72°35,6' N. 54°36' W.; 190 m; "Godthaab" St. 61; 21. 7. 1928; 4 spec. — 71°20' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; 1 spec. — 70°51' N. 52°01' W.; 703 m; "Godthaab" St. 144; 5. 9. 1928; 2 spec. — Umanak; 500 m. — Qarajaqs Isfjord. — Godhavn; Olrik; 1 spec. — Ritenbenk; Traustedt; 1892; 2 spec. — 69° 41,3' N. 55°30' W.; 120 m; "Godthaab" St. 48; 13. 7. 1928; 1 spec. — 69°41' N. 55°01,2' W.; 80 m; "Godthaab" St. 47; 13. 7. 1928; 2 spec. — Jakobs-havn; Bergendal; 150 m; clay; 1890; ∞ spec. — 69°17' N. 52°50' W.; 225 m; fat clay; "Tjalfe" St. 117; 15. 7. 1908; 1 spec. — Egedesminde; Bergendal; 1890; 1 spec. — Ikertôq; 280 m; Olrik; 2 spec. — Julianehaab; 20—35 m.

The fjords: Nordre Strømfjord: St. 1; 18 miles from the mouth; 41—21 m; clayey sand; 22. 6. 1911; 2 spec. — St. 9 B; 37 miles from the mouth; 44—46 m; stones, rocks; 6. 7. 1911; 1 spec. — St. 17; between Ipiutarssuaq and Ujaragsugssuit; 56—56 m; grey clay, a few stones; 12. 7. 1911; 2 spec. — St. 19; the Sânerut bay; 40—20 m; grey clay; stones; 12. 7. 1911; 2 spec. — St. 34; bay at the northern side of Ipiutarssuaq; 8—21 m; clayey sand with *Laminaria* and other algæ; 28. 7. 1911; 1 spec. — Bredefjord: St. 36; 100—29 m; shell-gravel; 16. 7. 1912; 1 spec. — St. 45; 430—450 m; mud; 18. 7. 1912; 2 spec. — St. 48; 500 m. w.; 19. 7. 1912; 1 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 2 spec. St. 55; 330—310 m; clay with a few small stones; 20. 7. 1912; 1 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; 2 spec. — St. 78; 30—50 m; 27. 7. 1912; 1 spec. — St. 80; 365 m; glacier clay (?) with a few stones; 30. 7. 1912; 1 spec. — St. 97; 250—380 m; stony clay; 4. 8. 1912; 2 spec. — St. 127; 10—15 m; gravel with little clay; 26. 8. 1912; 1 spec. — Skovfjord: St. 143; 65—90 m; clay with big stones; 3. 9. 1912; 3 spec. — St. 156; 70—140 m; stones with barnacles; 15. 9. 1912; 1 spec.

Remarks: Very common and abundant all over the area; especially south of the 72° N. lat. Mainly in shallow waters. In both the big fjord areas; in neither of them, however, it penetrates to the innermost parts.

Distribution: Very widely distributed, most probably cosmopolitan; especially common and abundant in arctic and boreal waters.

Family Sabellidæ MALMGREN.

Subfamily Sabellinæ RIOJA.

186. *Sabella penicillus* LINNÉ 1767.

(Chart 35).

West-Greenland records:

1883. *Sabella pavonia* LEVINSEN, p. 311.
 1897. *Sabella pavonia* VANHÖFFEN, p. 224.
 1898. *Sabella pavonia* MICHAELSEN, p. 130.
 1914. *Sabella pavonia* DITLEVSEN, p. 729.

Occurrence:

Coastal waters: Qarajaqs Isfjord.

Furthermore a single specimen in the collections in the Museum only labelled "Greenland".

Distribution: Rather widely distributed in boreo-arctic regions, yet neither pronouncedly arctic nor abyssal.

187. *Sabella fabricii* KRÖYER 1856.

West-Greenland records:

- 1867? *Laonome fabricii* MALMGREN, p. 113.
 1875. *Sabella crassicornis* LÜTKEN, p. 176.
 1875? *Laonome fabricii* LÜTKEN, p. 175.
 1877. *Sabella crassicornis* Mc'INTOSH, p. 508.
 1883. *Sabella fabricii* LEVINSEN, p. 311.
 1897. *Sabella crassicornis* VANHÖFFEN, p. 224.
 1914. *Sabella fabricii* DITLEVSEN, p. 729.
 1937. *Sabella fabricii* DITLEVSEN, p. 46.

Occurrence:

Coastal waters: Ritenbenk; Andersen; 1 spec. — Godhavn; Olrik; 1 spec. — At Ravns Storø; 62°42' N.; 25 m; "Godthaab" St. 29 b; 16. 6. 1928; 3 spec.

Remarks: This otherwise arctic species seems to be scarce in West-Greenland waters.

Distribution: Arctic, boreal.

188. *Potamilla neglecta* M. SARS 1851.

(Chart 35; Q.).

West-Greenland records:

1937. *Potamilla neglecta* DITLEVSEN, p. 46.
 1950. *Potamilla neglecta* E. WESEBERG-LUND, p. 56.

Occurrence:

The open sea: 76°40' N. 76°20' W.; 85 m; "Godthaab" St. 114; 16. 8. 1928; 1 spec. — 69°50' N. 61°36' W.; 1880 m; "Godthaab" St. 54; 14. 7. 1928; 3 spec. — 68°28' N. 54°47' W.; 450—350 m. — "Tjalfe" St. 199; 18. 8. 1908; 3 spec. — 68°08' N. 57°30' W.; 398 m; "Dana" St. 2361; 26. 6. 1925; 3 spec. — 66°37' N. 56°34' W.; 450 m; "Dana" St. 2346; 22. 6. 1925; 3 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; ∞ spec. — 66°22' N. 57°16' W.; 686 m; "Tjalfe" St. 366; 19. 5. 1909; 10 spec. — 66°21' N. 56°54' W.; 700 m; "Tjalfe" St. 365; 18. 5. 1909; 6 spec. — 65°22' N. 54°02' W.; 120 m; Wandel; 1889; 1 spec. — 65°16' N. 55°05' W.; 682 m; "Ingolf" St. 35; 18. 7. 1895; 10 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec. — 64°36' N. 53°06' W.; 203 m; Wandel; 1889; 1 spec. — 63°48' N. 52°23' W.; 194 m; "Tjalfe" St. 40; 10. 6. 1908; 5 spec. — 63°30' N. 54°25' W.; 1096 m; "Ingolf" St. 25; 26. 6. 1895; 10 spec. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 10.10.1928; 3 spec. — 60°16,5' N. 47°48' W.; 135 m; "Godthaab" St. 187; 10. 10. 1928; 3 spec. — 55°00' N. 56°34' W.; 314 m; "Godthaab" St. 14; 6. 6. 1928; ∞ spec.

Coastal waters: 66°56' N. 53°12' W.; 142 m; Wandel; 1889; 3 spec.

The fjords: Bredefjord St. 45; 430—450 m; mud; 18. 7. 1912; 2 spec. — St. 49; 490—490 m; mud; 19. 7. 1912; 3 spec. — St. 55; 330—310 m; clay; a few small stones; 20. 7. 1912; 6 spec. — St. 69; 355—290 m; mud; 24. 7. 1912; 3 spec.

Remarks: From the entrance of Smith Sund to off Julianehaab, mainly on the ridge across Davisstræde, most frequently in depths below the 1000 m line. A few localities in Bredefjord close to the mouth; not in Nordre Strømfjord.

Distribution: In both hemispheres; in the northern mainly an arctic form.

189. *Potamilla reniformis* (O. FR. MÜLLER) 1771.
(Chart 35).

West-Greenland records:

1856. *Sabella aspersa* KROYER, p. 19.
1875. *Potamilla reniformis* LÜTKEN, p. 175.
1883. *Potamilla reniformis* LEVINSEN, p. 312.
1914. *Potamilla reniformis* DITLEVSEN, p. 729.

Occurrence:

Coastal waters: Godhavn.

Remarks: Only a single specimen originating from the old Royal Museum; without further particulars only labelled: Godhavn.

Distribution: Widely distributed in the Arctic; boreal, lusitanian.

190. *Sabellastarte arctica* DITLEVSEN 1937.
(Chart 35; XV).

West-Greenland records:

1937. *Sabellastarte arctica* DITLEVSEN, p. 47.

Occurrence:

The open sea: 74°12' N. 77°00' W.; 680 m; "Godthaab" St. 131; 22. 8. 1928; 2 spec. — 66°19' N. 62°18' W.; 100 m; "Godthaab" St. 166 b; 17. 9. 1928; 5 spec.

Coastal waters: 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 1 spec. — Jakobshavn; Traustedt 1892; 3 spec.

The fjords: Nordre Strømfjord: St. 2; 12 miles from the mouth; 375—380 m; ooze with a few stones or rocks; 23. 6. 1911; 10 spec.

Remarks: The 7 specimens from the "Godthaab" expedition were all mentioned by DITLEVSEN (1937); on these the description of the

species is based. On examining the older collections of the museum I succeeded in finding some other specimens from the coastal areas. Thus the species seems to be widely distributed along the west coast of Greenland although it is scarce and scattered.

Distribution: Hitherto only known from the above mentioned localities.

191. *Dasychone infarcta* (KRØYER) 1856.

(Chart 35; XV; i.).

West-Greenland records:

1865. *Dasychone infarcta* MALMGREN, p. 40.
 1867. *Dasychone infarcta* MALMGREN, p. 115.
 1875. *Dasychone infarcta* LÜTKEN, p. 175.
 1883. *Dasychone infarcta* LEVINSEN, p. 312.
 1897. *Dasychone infarcta* VANHÖFFEN, p. 224.
 1898. *Dasychone infarcta* MICHAELSEN, p. 130.
 1914. *Dasychone infarcta* DITLEVSEN, p. 730.
 1937. *Dasychone infarcta* DITLEVSEN, p. 50.
 1950. *Dasychone infarcta* E. WESEBERG-LUND, p. 57.

Occurrence:

The open sea: 68°17' N. 58°14' W. 410 m; "Godthaab" St. 160; 12. 9. 1912; 1 spec. — 66°19' N. 62°18' W.; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1912; 3 spec. — 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7. 1895; 1 spec.

Coastal waters: 76°36' N. 68°54' W.; 180—80 m; "Godthaab" St. 86; 4. 8. 1928; 1 spec. — 76°24,8' N. 69°38' W.; 165 m; "Godthaab" St. 107; 15. 8. 1928; 1 spec. — The neighbourhood of Upernavik; "Godthaab"; 3 spec. — Prøven; Olrik; 1 spec. — Qarajaqs Isfjord.

The fjords: Nordre Strømfjord: St. 35; bay on the northern side of Ipiutarssuaq; 225—210 m; 28. 7. 1911; 1 spec. — Kvanefjord: St. 1; 84 m; 21. 6. 1912; stones without algæ; 1 spec.

Remarks: From Thule to about 65° N. Lat., both in coastal waters and in the open sea. A single find in the middle part of Nordre Strømfjord and at the mouth of Kvanefjord.

Distribution: Most probably circumpolar in the Arctic.

Subfamily **Fabriciinae** RIOJA.

192. *Chone duneri* MALMGREN 1867.

(Chart 35).

West-Greenland records:

1867. *Chone duneri* MALMGREN, p. 116.
 1937. *Chone duneri* DITLEVSEN, p. 52.

1939. *Chone duneri* VIBE, p. 14; p. 24.

1950. *Chone duneri* E. WESENBERG-LUND, p. 58.

Occurrence:

The open sea: 73°12' N. 58°08' W.; 850 m; "Godthaab" St. 64; 28. 7. 1928; 10 spec. — 67°48,5' N. 60°48' W.; 1600 m; "Godthaab" St. 162 a; 13. 9. 1928; ∞ spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — Totness Road; Exeter Sound; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1928; 4 spec.

Coastal waters: 70°51' N. 52°01' W.; 733 m; "Godthaab" St. 144; 5. 9. 1928; 10 spec.

Remarks: From about 74° to 66° N. Lat. Seems to be scarce in West-Greenland.

Distribution: Widely distributed in the arctic; boreal; lusitanian. Mediterranean.

193. *Chone infundibuliformis* KRØYER 1856.

(Chart 35; Q.).

West-Greenland records:

1780. *Tubularia penicillus* FABRICIUS, p. 438, non MÜLLER nec *Sabella penicillus* LINNÉ.

1865. *Chone infundibuliformis* MALMGREN, p. 404.

1867. *Chone infundibuliformis* MALMGREN, p. 116.

1875. *Chone infundibuliformis* LÜTKEN, p. 175.

1877. *Chone infundibuliformis* MC'INTOSH, p. 508.

1883. *Chone infundibuliformis* LEVINSEN, p. 312.

1889. *Chone infundibuliformis* HOLM, p. 156; p. 158.

1897. *Chone infundibuliformis* VANHÖFFEN, p. 224.

1898. *Chone infundibuliformis* MICHAELSEN, p. 130.

1902. *Chone infundibuliformis* MOORE, p. 276.

1914. *Chone infundibuliformis* DITLEVSEN, p. 721.

1937. *Chone infundibuliformis* DITLEVSEN, p. 52.

1950. *Chone infundibuliformis* E. WESENBERG-LUND, p. 58.

Occurrence:

The open sea: 76°08' N. 80°53' W.; 80 m; "Godthaab" St. 116; 17. 8. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 2 spec. — 65°26' N. 55°26' W.; 450 m; Wandel; 1889; 1 spec. — 59°12' N. 51°05' W.; 3521 m; "Ingolf" St. 38; 30. 7. 1895; 1 spec.

Coastal waters: Olrik Fjord; 14—40 m. — Prøven; Bolbroe; 1 spec. — Qarajaqs Isfjord. — Godhavn; Olrik; 1 spec. — Egedesminde. — Store Hellefiskebanke; 14 miles W.S.W. of Rifkol; 40 m; Bornemann; 10. 7. 1912; 1 spec. — Godthaab; Ryder; 1893; 1 spec. — Sukkertoppen; 40 m; Holm; 5. 7. 1884; 2 spec. — 64°01' N. 52°40' W.; 54 m; Riis-Carstensen; 28. 7. 1926; 1 spec.

The fjords: Bredefjord St. 48; 500 m. w.; 19. 7. 1912; 1 spec.

Remarks: Widely spread but not common in West-Greenland; a single find at the mouth of Bredefjord; mainly in low water.

Distribution: Most probably circumpolar; boreal; lusitanian.
In Greenlandic: Iglulualik.

194. *Euchone analis* (KROYER) 1856.

(Chart 36; Q.).

West-Greenland records:

1865. *Euchone analis* MALMGREN, p. 406.
1867. *Euchone analis* MALMGREN, p. 114.
1875. *Euchone analis* LÜTKEN, p. 175.
1877. *Euchone analis* Mc'INTOSH, p. 508.
1883. *Euchone analis* LEVINSEN, p. 312.
1897. *Euchone analis* VANHÖFFEN, p. 224.
1914. *Euchone analis* DITLEVSEN, p. 730.
1950. *Euchone analis* E. WESENBERG-LUND, p. 59.

Occurrence:

The open sea: 67°50' N. 55°27' W.; 40 m; "Valorous" St. 4; sand with shells; — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°17' N. 55°05' W.; 662 m; "Ingolf" St. 35; 18. 7. 1895; 3 spec. — 64°01' N. 52°40' W.; 48 m; Riis-Carstensen; 21. 7. 1926; 1 spec.

Coastal waters: Thule harbour; 14 m; Salomonsen; 14—15. 8. 1936; 1 spec. — Kingigtoq; Qaersarssuaq; 22—34 m; Salomonsen; 5. 7. 1936; 16 spec. — Tasiussaq, Nutârmiut; 4 m; Salomonsen; 5. 7. 1936; 1 spec. — Upernavik harbour; 20,5 m; Salomonsen; 16. 6. 1936; 1 spec. — Umanak. — Egedesminde; Levinsen; 5 spec. — Holsteinsborg harbour; 20 m; "Valorous". — Kapisigdlit; 5—6 m; 1 spec. — Godthaab harbour; "Ingolf"; 25. 6. 1895; 1 spec. — Arsuk Fjord.

The fjords: Bredefjord St. 124; 700 m; clay; 25. 8. 1912; 1 spec.

Remarks: From Thule to Bredefjord, exclusively in coastal waters and on the off-shore banks.

Distribution: Exclusively arctic with a circumpolar distribution.

195. *Euchone papillosa* M. SARS 1850.

(Chart 36; Q.).

West-Greenland records:

1856. *Sabella tuberculosa* KROYER, p. 18.
1875. *Euchone tuberculosa* LÜTKEN, p. 175.

1883. *Euchone papillosa* LEVINSEN, p. 312.
 1897. *Euchone papillosa* VANHÖFFEN, p. 224.
 1898. *Euchone papillosa* MICHAELSEN, p. 130.
 1914. *Euchone papillosa* DITLEVSEN, p. 730.
 1937. *Euchone papillosa* DITLEVSEN, p. 52.
 1950. *Euchone papillosa* E. WESENBERG-LUND, p. 59.

Occurrence:

The open sea: 71°21' N. 54°27' W.; 47 m; "Godthaab" St. 139; 3. 9. 1928; ∞ spec. — 68°23,5' N. 56°12' W.; 480 m; "Godthaab" St. 159; 12. 9. 1928; 1 spec. — 66°35' N. 56°38' W.; 599 m; "Ingolf" St. 32; 11. 7. 1895; 1 spec. — 65°51' N. 57°40' W.; 680 m; "Godthaab" St. 39; 3. 7. 1928; 1 spec. — 65°34' N. 54°31' W.; 128 m; "Ingolf" St. 29; 5. 7. 1895; 3 spec.

Coastal waters: Kingigtoq, Qaersarssuaq; 8,5—12 m; Salomonsen; 5. 7. 1936; ∞ spec. — The entrance to Tasiussaq, N. of Upernavik; 10—20 m; Fr. Johansen; 13. 8. 1921; 10 spec. — Tasiussaq, Nutârmiut; 4 m; Salomonsen; 5. 7. 1936; 7 spec. — Qarajaqs Isfjord; 80 m. — 64°01' N. 52°40' W.; 67 m; Riis-Carstensen; 28. 7. 1926; ∞ spec. —

The fjords: Bredefjord: St. 49; 490 m; ooze; 19. 7. 1912; 3 spec. — St. 77; 470—245 m; stony clay; 27. 7. 1912; 1 spec. — St. 81; 110 m; glacier clay; 30. 7. 1912; 10 spec. — St. 90; 100—110 m; glacier clay (?); 31. 7. 1912; 10 spec. — St. 95; 115—155 m; stony clay; 3. 8. 1912; 3 spec. — St. 96; 410 m; glacier clay; 3. 8. 1912; 3 spec. — St. 97; 250—280 m; stony clay; 4. 8. 1912; 4 spec. — St. 116; 80—95 m; stony glacier clay; 9. 8. 1912; 6 spec. — Tunugdliarfik St. 139; 280—300 m; clay without stones; 2. 9. 1912; 1 spec.

Remarks: From Upernavik to Godthaab; not abyssal; often abundant. According to KRØYER common in Greenland waters; furthermore throughout the Bredefjord area, where the bottom is clayey.

Distribution: Arctic, boreal.

196. *Fabricia sabella* EHRENBERG 1837.

(Chart 36).

West-Greenland records:

- 1780? *Tubularia fabricii* FABRICIUS, p. 440.
 1867. *Amphicora fabricii* MALMGREN, p. 117.
 1875. *Amphicora fabricii* LÜTKEN, p. 176.
 1883. *Amphicora fabricii* LEVINSEN, p. 313.
 1897. *Amphicora fabricii* VANHÖFFEN, p. 224.
 1914. *Amphicora fabricii* DITLEVSEN, p. 731.

Occurrence:

Coastal waters: Godhavn; Olrik; 15 spec.

Remarks: MALMGREN reports this species from Greenland without further particulars. In the old collections of the museum some specimens from Godhavn.

Distribution: Boreo-arctic; boreal; lusitanian and Mediterranean.

Subfamily **Myxicolinæ** (RIOJA).

197. *Myxicola infundibulum* (RENIER) 1848.

(Chart 36).

West-Greenland records:

1856. *Myxicola steenstrupi* KROYER, p. 35.
 1865. *Myxicola steenstrupi* MALMGREN, p. 408.
 1867. *Myxicola steenstrupi* MALMGREN, p. 118.
 1875. *Myxicola steenstrupi* LÜTKEN, p. 176.
 1897. *Myxicola (Leptochone) steenstrupi* VANHÖFFEN, p. 224.
 1914. *Leptochone steenstrupi* DITLEVSEN, p. 731.

Occurrence:

Coastal waters: Prøven.

Remarks: In the collections of the museum no specimens from Greenland are available; the above mentioned locality originates from MALMGREN's papers.

Distribution: Arctic and boreal.

Family **Serpulidæ** BURMEISTER.

Subfamily **Serpulinæ** RIOJA.

198. *Serpula vermicularis* LINNÉ 1767.

(Chart 36).

West-Greenland records:

1950. *Serpula vermicularis* E. WESEBERG-LUND, p. 59.

Occurrence:

The open sea: 67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 1 spec.

Remarks: A single find on store Hellefiskebanke in shallow water.

Distribution: East-Greenland; not common in arctic waters; boreal; lusitanian; Mediterranean.

199. *Hydroides norvegica* (GUNNERUS) 1768.
(Chart 36; Q.).

West-Greenland records:

1780. *Serpula triquetra* O. FABRICIUS, p. 379.
1863? *Hydroides groenlandica* MØRCH, p. 375.
1875. *Hydroides norvegica* LÜTKEN, p. 176.
1914. *Hydroides norvegica* DITLEVSEN, p. 733.
1950. *Hydroides norvegica* E. WESENBERG-LUND, p. 60.

Occurrence:

The open sea: 64°54' N. 55°10' W.; 740 m; "Ingolf" St. 27; 1. 7.
1895.

The fjords: Bredefjord: St. 75; 270—200 m; stony clay; 25. 7.
1912.

Remarks: A single find on the ridge across Davis Strait, and one in the outer third of Bredefjord.

Distribution: East-Greenland; only sporadic in arctic waters; not reported from Spitsbergen; widely spread in the boreal and lusitanian area.

200. *Pomatoceros triqueter* LINNÉ 1761.

West-Greenland records:

1889. *Pomatoceros triqueter* HOLM, p. 156.
1897. *Pomatoceros triqueter* VANHÖFFEN, p. 224.
1914. *Pomatoceros triqueter* DITLEVSEN, p. 732.

Occurrence:

Coastal waters: Godthaab; Holm.

Remarks: A single find at Godthaab, from older collections.

Distribution: East-Greenland; like the two preceding species rather scarce in the arctic; boreal and lusitanian.

201. *Placostegus tridentatus* (I. C. FABRICIUS) 1789.
(Chart 37).

West-Greenland records:

1950. *Placostegus tridentatus* E. WESENBERG-LUND, p. 60.

Occurrence:

The open sea: 65°17' N. 54°17' W.; 104 m; "Ingolf" St. 34; 18. 7.
1895; ∞ spec.

Remarks: A single find on Lille Hellefiskebanke, in rather low water.

Distribution: In the "Ingolf" Report recorded as fairly common and widely spread in the arctic region of the Atlantic Ocean, otherwise boreal, lusitanian.

202. *Ditrupa groenlandica* Mc'INTOSH 1877.

West-Greenland records:

1877. *Ditrupa groenlandica* Mc'INTOSH, p. 509.
 1883. *Ditrupa groenlandica* LEVINSEN, p. 313.
 1897. *Ditrupa groenlandica* VANHÖFFEN, p. 224.
 1914. *Ditrupa groenlandica* DITLEVSEN, p. 732.

Occurrence: The Davis Strait.

Remarks: Only known from the Davisstræde; established by Mc'INTOSH in the Report from the "Valorous" Expedition.

203. *Miroserpula inflata* DONS 1930.

(Chart 37).

West-Greenland records:

1945. *Miroserpula inflata* BRATTSTRÖM, p. 1.
 1950. *Miroserpula inflata* E. WESEBERG-LUND, p. 61.

Occurrence:

The open sea: 63°57' N. 52°41' W.; 64 m; "Ingolf" St. 26; 26. 6. 1895.

Coastal waters: Angissoq; Upernavik; Laminaria, stones; Salomonsen; 29. 6. 1936.

Remarks: The species is undoubtedly much more common than hitherto known, but most probably it is often overlooked on account of its diminutive size, or it is confounded with young specimens of other species. Until now it is known from Upernavik and from the northern part of Fyllas Banke.

Distribution: Boreo-arctic; boreal.

Subfamily **Filograminæ** RIOJA.204. *Filograna implexa* BERKELEY 1827.

(Chart 37).

West-Greenland records:

1937. *Filograna implexa* DITLEVSEN, p. 54.
 1950. *Filograna implexa* E. WESEBERG-LUND, p. 61.

Occurrence:

The open sea: 64°54' N. 55°10' W.; 440 m; "Ingolf" St. 27; 1. 7. 1895. — 60°22' N. 47°27' W.; 120 m; "Godthaab" St. 188; 10. 10. 1928. 1895.

Remarks: A find on the ridge across Davisstrædet and at the southern point of Greenland.

Distribution: Widely distributed in the arctic, although its main distribution in the North Atlantic is in boreal and lusitanian areas.

205. *Protula arctica* ARMAUER HANSEN 1879.

(Chart 37; Q; i.).

West-Greenland records:

1950. *Protula arctica* E. WESENBERG-LUND, p. 61.

Occurrence:

The open sea: 61°50' N. 56°21' W.; 2402 m; "Ingolf" St. 36; 28. 7. 1895; 2 spec.

Coastal waters: Prøven; Olrik.

The fjords: Kvanefjord: St. 23; 410—200 m; clay with some very big stones; 29. 6. 1912; 3 spec. — Bredefjord: St. 91; 180—110 m; stony clay; 1. 8. 1912; 1 spec.

Remarks: Special interest is attached to the find in the deep part of the southern Davisstræde; furthermore finds from Prøven and the outer part of the Kvanefjord; thus widely spread in West-Greenland, but evidently scarce.

Distribution: Norway and Iceland; deep sea basins of the North Atlantic.

206. *Apomatus globifer* THÉEL 1879.

(Chart 37).

West-Greenland records:

1937. *Apomatus globifer* DITLEVSEN, p. 53.

Occurrence:

The open sea: 74°52,5' N. 66°12' W.; 450 m; "Godthaab" St. 73; 30. 7. 1928; 1 spec.

Remarks: A single find in Melville Bugt.

Distribution: Widely distributed in the Arctic in shallow water as well as in abyssal regions. Boreal; lusitanian.

207. *Chitinopoma fabricii* LEVINSEN 1883.

West-Greenland records:

1780. *Serpula triquetra* FABRICIUS, p. 379.

1883. *Chitinopoma fabricii* LEVINSEN, p. 313.

1897. *Chitinopoma fabricii* VANHÖFFEN, p. 224.

1914. *Chitinopoma fabricii* DITLEVSEN, p. 733.

Occurrence:

Grønland (FABRICIUS, LEVINSEN).

Remarks: No further locality is given.

Distribution: Novaya Zemlya.

Subfamily **Spirorbinae** CHAMBERLIN.203. *Spirorbis spirillum* (LINNÉ) 1761.

(Chart 37; XV; Q.).

West-Greenland records:

1780. *Serpula porrecta* FABRICIUS, p. 388.
 1780. *Serpula spirorbis* FABRICIUS, p. 377.
 1867. *Spirorbis spirillum* MALMGREN, p. 123.
 1875. *Spirorbis spirillum* LÜTKEN, p. 176.
 1875. *Spirorbis lucidus* LÜTKEN, p. 176.
 1877. *Spirorbis spirillum* McINTOSH, p. 509.
 1883. *Spirorbis spirillum* LEVINSEN, p. 314.
 1897. *Spirorbis spirillum* VANHÖFFEN, p. 224.
 1898. *Spirorbis spirillum* MICHAELSEN, p. 131.
 1902. *Spirorbis spirillum* MOORE, p. 277.
 1914. *Spirorbis spirillum* DITLEVSEN, p. 736.
 1940. *Spirorbis spirillum* H. MADSEN, p. 5.
 1950. *Spirorbis spirillum* E. WESEBERG-LUND, p. 62.

Occurrence:

The open sea: 66°59' N. 54°27' W.; 120 m; "Valorous" St. 5; sand, shells — Store Hellefiskebanke, 55 m; Holm; 10. 7. 1886; ∞ spec.

Coastal waters: Foulke Fjord, Reindeerpoint; Sverdrup, 1892; ∞ spec. — Foulke Fjord; 10 m. — Olrik Fjord, South of K. Alexander; 50 m; "Valorous". — Robertson Bugt; 70—80 m. — Northumberland Ø; 20—30 m. — Saunders Ø; 10—20 m. — Upernavik; 12—30 m; Sverdrup; 5. 8. 1898; ∞ spec. — Qarajaqs Isfjord; 10 m. — Sukkertoppen; "Ingolf"; 18. 7. 1895. — Godthaab harbour; 50 m; Holm; ∞ spec.

The fjords: Nordre Strømfjord: St. 3 A; 17 miles from the mouth; 325—330 m; ooze?; 25. 6. 1911. — St. 26; the bay at Itivdliarsuk; 33—50 m; stones; 24. 7. 1911. — St. 36 B; close to the shore on the northern side of the fjord, W. of Tasiussaq; 21—24 m; stones, Laminaria; 31. 7. 1911. — Bredefjord: St. 48; 500 m. w.; 19. 7. 1912. — St. 61; 12.5—13 m; Laminaria; 22. 7. 1912. — St. 66; 9—11 m; Laminaria; 23. 7. 1912. — St. 89; 16—17 m; Laminaria; 31. 7. 1912. — Skovfjord: St. 136; 6 m; black, foul clay with decaying algæ; 30. 8. 1912.

Remarks: Along the whole west coast of Greenland, in the littoral fauna; seems to be most frequent in Olrik Fjord and Inglefield Bredning.

In Nordre Strømfjord both at the mouth and in the innermost branches. In Bredefjord it is not found in the Sermilik, and it does not penetrate farther than to Narssaq.

Distribution: Common in the arctic area; boreal; lusitanian; almost exclusively restricted to the area of Phæophyceæ.

In Greenlandic: Katungiak.

209. *Spirorbis cancellatus* (O. FABRICIUS) 1780.

(Chart 37).

West-Greenland records:

1780. *Serpula cancellata* FABRICIUS, p. 383.
 1867. *Spirorbis cancellatus* MALMGREN, p. 123.
 1875. *Spirorbis cancellatus* LÜTKEN, p. 177.
 1883. *Spirorbis cancellatus* LEVINSEN, p. 314.
 1889. *Spirorbis cancellatus* HOLM, p. 159.
 1897. *Spirorbis cancellatus* VANHÖFFEN, p. 224.
 1914. *Spirorbis cancellatus* DITLEVSEN, p. 736.
 1950. *Spirorbis cancellatus* E. WESENBERG-LUND, p. 62.

Occurrence:

The open sea: Store Hellefiskebanke; 36 m; Holm; 2 spec. — 66°50' N. 54°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; 5 spec. — 63°54' N. 52°41' W.; 64 m; "Ingolf" St. 26; 25. 6. 1895; 3 spec.

Coastal waters: Egedesminde; Olrik; ∞ spec. — Holsteinsborg; Kornerup; 1 spec. — Ikertôq Fjord; 60 m; Holm; 1. 8. 1886; 2 spec. — Malene Fjord, Godthaab.

Remarks: From Egedesminde and southwards in the littoral area and on the off-shore banks.

Distribution: Arctic; boreo-arctic.

210. *Spirorbis verruca* (O. FABRICIUS) 1780.

(Chart 37).

West-Greenland records:

1780. *Serpula glomerata* FABRICIUS (non LINNÉ), p. 381.
 1875. *Spirorbis verruca* LÜTKEN, p. 176.
 1877. *Spirorbis verruca* Mc'INTOSH, p. 509.
 1883. *Spirorbis verruca* LEVINSEN, p. 313.
 1897. *Spirorbis verruca* MICHAELSEN, p. 224.
 1902. *Spirorbis verruca* MOORE, p. 277.
 1914. *Spirorbis verruca* DITLEVSEN, p. 735.
 1950. *Spirorbis verruca* E. WESENBERG-LUND, p. 62.

Occurrence:

The open sea: 66°59' N. 55°27' W.; 120 m; "Valorous" St. 5. — 66°50' N. 54°28' W.; 41 m; "Ingolf" St. 30; 10. 7. 1895; ∞ spec. —

67°57' N. 55°30' W.; 66 m; "Ingolf" St. 33; 12. 7. 1895; 3 spec. — Lille Hellefiskebanke; Holm; 10. 7. 1886.

Coastal waters: Granville Bugt; 60—75 m. — Olrik Fjord; 30—35 m. — Godhavn; Olrik; 10 spec. — Malene Fjord, Godthaab. — Julianehaab; Rink; 12 spec.

Remarks: Along the whole coast from the fartherst north to Julianehaab; shallow water.

Distribution: Widely spread in the Arctic; but not common anywhere.

211. *Spirorbis spirorbis* (LINNÉ) 1758.

(Chart 37; XV; Q.).

West-Greenland records:

1780. *Serpula spirorbis* FABRICIUS, p. 377.
 1875. *Spirorbis borealis* LÜTKEN, p. 176.
 1877. *Spirorbis borealis* McINTOSH, p. 509.
 1883. *Spirorbis borealis* LEVINSEN, p. 314.
 1889. *Spirorbis borealis* HOLM, p. 155; p. 156; p. 159; p. 161; p. 162.
 1897. *Spirorbis borealis* VANHÖFFEN, p. 224.
 1898. *Spirorbis borealis* MICHAELSEN, p. 131.
 1914. *Spirorbis borealis* DITLEVSEN, p. 735.
 1937. *Spirorbis spirorbis* DITLEVSEN, p. 54.
 1950. *Spirorbis spirorbis* E. WESEBERG-LUND, p. 63.

Occurrence:

The open sea: Totness Road, Exeter Sound; 66°19' N. 62°18' W.; 75—200 m; "Godthaab" St. 166 b; 17. 9. 1928; 1 spec.

Coastal waters: Qarajaqs Isfjord; — Godhavn; Holm. — Jakobshavn; Holm. — Christianshaab; Holm. — Holsteinsborg; Holm. — Sukkertoppen; Holm. — Godthaab; Holm.

The fjords: Nordre Strømfjord: St. 25; the broad of Ugssuit; 175—175 m; grey clay; 16. 7. 1911. — St. 26; the bay at Itivdliarsuk; 33—50 m; stones; 24. 7. 1911. — Bredefjord: St. 55; 330—310 m; clay with a few big stones; 20. 7. 1912.

Remarks: From Umanak and southwards, belonging to the littoral epifauna. In Nordre Strømfjord only in the innermost branches; in Bredefjord a single find at the mouth.

Distribution: Arctic; boreal; lusitanian.

212. *Spirorbis violaceus* LEVINSEN 1883.

(Chart 37).

West-Greenland records:

1780. *Serpula granulata* FABRICIUS, p. 380.

1883. *Spirorbis violaceus* LEVINSEN, p. 314.

1914. *Spirorbis violaceus* DITLEVSEN, p. 737.

Occurrence:

Coastal waters: Proven; Orlík; 10 spec. — Egedesminde.

Remarks: Only two finds in the old collections between 72° and 68° N. Lat.

Distribution: Only known from West-Greenland.

213. *Spirorbis granulatus* LINNÉ.

(Chart 37; XV).

West-Greenland records:

1780. *Serpula contortuplicata* FABRICIUS, p. 381.

1867. *Spirorbis fabricii* MALMGREN, p. 123.

1875. *Spirorbis quadrangularis* LÜTKEN, p. 176.

1883. *Spirorbis affinis* LEVINSEN, p. 314.

1883. *Spirorbis carinatus* LEVINSEN, p. 314.

1897. *Spirorbis carinatus* VANHÖFFEN, p. 224.

1898. *Spirorbis carinatus* MICHAELSEN, p. 131.

1902. *Spirorbis granulatus* MOORE, p. 276.

1914. *Spirorbis granulatus* DITLEVSEN, p. 734.

1914. *Spirorbis carinatus* DITLEVSEN, p. 735.

1914. *Spirorbis affinis* DITLEVSEN, p. 735.

Occurrence:

Coastal waters: Foulke Fjord; 28 m. — Granville Bugt; 60—80 m. — Orlík Fjord; 30—40 m. — Qarajaqs Isfjord. — Godhavn; Andersen; 10 spec. — Egedesminde. — Holsteinsborg; Kornerup; 1 spec. — Godthaab; Holbøll. — Malene Fjord, Godthaab.

The fjords: Nordre Strømfjord: St. 3 A; 17 miles from the mouth; 325—330 m; ooze?; 25. 6. 1911. — St. 26; the bay at Itivdliarsuk; 33—50 m; stones; 24. 7. 1911.

Remarks: From Inglefield Bredning to Godthaab, but seems to be rather scarce. In Nordre Strømfjord close to the mouth as well as at the head. Not found in Bredefjord.

Distribution: Very common and widely spread in the arctic and boreal area; lusitanian.

214. *Spirorbis vitreus* (O. FABRICIUS) 1780.

(Chart 37).

West-Greenland records:

1780. *Serpula vitrea* FABRICIUS, p. 382.

1867. *Spirorbis vitreus* MALMGREN, p. 123.

1883. *Spirorbis vitreus* LEVINSEN, p. 314.
1897. *Spirorbis vitreus* VANHÖFFEN, p. 224.
1902. *Spirorbis vitreus* MOORE, p. 277.
1914. *Spirorbis vitreus* DITLEVSEN, p. 736.

Occurrence:

Coastal waters: Foulke Fjord; 28 m. — Egedesminde; Olrik. — Godthaab; Holbøll. — Malene Fjord, Godthaab.

Remarks: Only a few finds in coastal areas.

Distribution: North America.

215. *Spirorbis mörchi* LEVINSEN 1883.
(Chart 37).

West-Greenland records:

1883. *Spirorbis mörchi* LEVINSEN, p. 314.
1897. *Spirorbis mörchi* VANHÖFFEN, p. 224.
1914. *Spirorbis mörchi* DITLEVSEN, p. 735.

Occurrence:

Coastal waters: Egedesminde.

Remarks: Only this single find.

Distribution: Iceland.

Table 1. Distribution of the polychaetes west of Greenland.

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Stromfjord	Kvane- and Bredefjord				Further distribution
								0—200 m	200—1000 m	^ 1000 m	
1 <i>Aphrodite aculeata</i>	1	..	×	..	×	..	..	..	×	×	Boreal, lusitanian; mid-littoral; arctic abyssal.
2 <i>Lætmonice filicornis</i>	1	..	×	..	×	..	..	..	×	×	Boreal; lusitanian; almost cosmopolitan; deep littoral; arctic abyssal.
3 <i>Eupolynoë occidentalis</i> ..	1	×	..	..	×	..	..	..	×	..	The Gulf of St. Lawrence.
4 <i>Gattyana cirrosa</i>	2; I; A; a	×	×	×	×	×	×	..	..	..	Arctic; boreal; lusitanian; mainly littoral.
5 <i>G. amondseni</i>	2; I	×	..	×	×	×	..	×	×	..	Arctic; boreal; mainly littoral.
6 <i>Harmothoë senta</i>	1	×	..	×	..	..	..	×	..	..	Arctic; mid-littoral.
7 <i>H. globifera</i>	2	×	×	×	×	..	..	..	×	×	Arctic; subarctic; mainly abyssal.
8 <i>H. nodosa</i>	1; I; A	×	×	×	×	×	×	×	×	..	Arctic; boreal; littoral; abyssal.
9 <i>H. imbricata</i>	3; II; B; b	×	×	×	×	×	×	×	×	×	Arctic; boreal; lusitanian; tidal zone; littoral; abyss.
10 <i>H. impar</i>	4	×	×	×	×	..	..	×	..	..	Arctic; boreal; lusitanian; mainly littoral.
11 <i>H. longisetis</i>	4; II; B	×	×	×	×	×	×	..	..	..	Arctic; boreal; lusitanian; mainly littoral.
12 <i>H. vesiculosa</i>	4	..	×	..	×	..	..	×	..	..	S.W. of Ireland; abyssal.
13 <i>H. badia</i>	4; III; B; a	×	×	×	×	×	×	×	×	×	Arctic; boreal; littoral; abyssal.
14 <i>H. sarsi</i>	5; III	×	×	×	×	×	..	×	×	..	Arctic; boreal; mainly littoral.
15 <i>H. mollis</i>	5	..	×	..	×	..	..	..	×	..	Boreal; lusitanian.
16 <i>H. bathydomus</i>	5	..	×	..	×	..	..	..	..	×	S.W. of Ireland; abyssal.
17 <i>H. acanella</i>	5; a	..	×	..	×	..	×	..	..	×	Arctic; boreal; abyssal.
18 <i>H. aspera</i>	5	..	×	..	×	..	..	..	×	..	Mainly arctic.
19 <i>H. capitulifera</i>	5	..	×	..	×	..	..	..	×	..	Arctic; mid-littoral.
20 <i>H. villosa</i>	6; III; C	×	×	×	×	×	×	×	×	..	Arctic; boreal; mainly littoral.
21 <i>H. semisculpta</i>	5	×	..	×	..	..	..	×	..	..	Iceland; littoral.
22 <i>Lagisca extenuata</i>	6; III; C; e	×	×	×	×	×	×	×	×	..	Arctic; boreal; lusitanian; mainly littoral; pelagic.
23 <i>L. hubrechtii</i>	6	×	..	..	×	..	..	pelagic	..	..	Pelagic.
24 <i>Macellicephalo violacea</i> ..	6	×	..	×	..	..	..	..	×	..	Cosmopolitan; mainly abyssal.
25 <i>Nemidia torelli</i>	C	..	×	..	..	..	×	..	×	..	Arctic, littoral.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Stromfjord	Kvane- and Bredefjord				Further distribution
								0—200 m	200—1000 m	> 1000 m	
26 <i>Melænis loveni</i>	6	×	..	×	..	..	..	×	..	..	Arctic; littoral.
27 <i>Leanira tetragona</i>	7	×	×	×	×	..	..	×	..	×	Mainly boreal; littoral; abyssal.
28 <i>Sthenelais jeffreysi</i>	7	..	×	..	×	..	..	..	..	×	Arctic; boreal; abyssal.
29 <i>Pholoë minuta</i>	7; III; C	×	×	×	×	×	×	×	..	×	Arctic; boreal; lusitanian; mainly littoral; abyssal.
30 <i>Phyllodoce citrina</i>	8	×	×	×	..	..	..	×	..	..	Mainly arctic; littoral.
31 <i>P. groenlandica</i>	8; IV; D	×	×	×	×	×	×	×	×	..	Panarctic; mainly littoral.
32 <i>P. mucosa</i> . . . . .		×	?	×	?	..	..	..	..	..	Mainly boreal?
33 <i>P. maculata</i>	8; D	×	×	×	..	..	..	×	..	..	Boreal; lusitanian; littoral.
34 <i>Eulalia viridis</i>	9	×	×	×	..	..	..	×	..	..	Arctic; boreal, lusitanian; mainly littoral.
35 <i>E. bilineata</i>	9	×	×	×	..	..	..	×	..	..	Arctic; boreal; lusitanian; littoral.
36 <i>E. tripunctata</i>	9	..	×	..	×	..	..	..	×	×	Arctic; abyssal.
37 <i>E. tjalfiensis</i>	9	..	×	×	..	..	..	×	..	..	Arctic.
38 <i>Mystides occidentalis</i>	9	..	×	..	×	..	..	..	×	..	Arctic; abyssal.
39 <i>M. borealis</i>	D	..	..	..	..	..	×	×	..	..	Spitsbergen.
40 <i>Pelagobia longicirrata</i>	9	×	..	×	..	..	..	×	..	..	Arctic.
41 <i>Eteone longa</i>	10; D	×	×	×	×	..	×	×	×	..	Panarctic; boreal; mainly littoral.
42 <i>E. flava</i>	10; IV	×	×	×	..	×	..	×	..	..	Panarctic; boreal.
43 <i>Euphrosyne borealis</i>	10	×	×	×	×	..	..	×	×	..	Arctic; boreal; littoral.
44 <i>E. cirrata</i>	10	..	×	..	×	..	..	..	×	..	Boreal; atlantic; littoral.
45 <i>Spinther citrinus</i>	10	..	×	..	×	..	..	..	×	..	Boreo-arctic; boreal; lusitanian; mid-littoral.
46 <i>Tomopteris nisseni</i>	11	..	×	..	×	..	..	..	pelagic	..	Atlantic.
47 <i>T. cavalli</i>	11	..	×	..	×	..	..	..	pelagic	..	Boreal; lusitanian.
48 <i>T. krampi</i>	11	..	×	..	×	..	..	..	pelagic	..	Atlantic.
49 <i>T. septentrionalis</i>	11	×	×	..	×	..	..	..	pelagic	..	Boreo-arctic; atlantic; boreal; lusitanian.
50 <i>T. planktonis</i>	11	×	..	×	..	..	..	..	pelagic	..	Atlantic; often bathypelagic.
51 <i>Travisiopsis lanceolata</i>	11	..	×	..	×	..	..	..	pelagic	..	Lusitanian; atlantic.
52 <i>T. levinseni</i>	11	..	×	..	×	..	..	..	pelagic	..	Boreal; lusitanian, atlantic.
53 <i>Castalia aphroditoides</i>	12; E	×	×	×	..	..	×	×	..	..	Arctic; boreal; littoral.
54 <i>Ancistrosyllis groenlandica</i>	12	..	×	..	×	..	..	..	×	..	Unknown.
55 <i>Syllis armillaris</i>	12; E	..	×	×	×	..	×	×	..	..	Mainly arctic; littoral.
56 <i>S. cornuta</i>	12; V; E; d	×	×	×	×	×	×	×	×	..	Arctic; boreal; lusitanian; mainly littoral.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord				Further distribution
								0—200 m	200—1000 m	1000 m	
57 <i>S. fasciata</i>	12; V; E	×	×	×	×	×	×	×	×	..	Mainly arctic; mainly littoral.
58 <i>Eusyllis blomstrandii</i>	12; V	×	×	×	×	×	..	×	×	..	Arctic; boreal, lusitanian; mainly littoral.
59 <i>Sphærosyllis latipalpis</i>	12	..	×	..	×	..	..	pelagic			Spitsbergen.
60 <i>Exogone verrugera</i>	13	..	×	..	×	..	..	pelagic			Boreal; atlantic.
61 <i>E. hebes</i>	13	..	×	..	×	..	..	?	?	?	Lusitanian; Maine.
62 <i>E. sp.</i>	13	..	×	..	×	..	..	pelagic			Unknown.
63 <i>Autolytus prolifer</i>	13	×	×	×	×	..	..	×	..	..	Mainly boreal and lusitanian, littoral
64 <i>A. prismaticus</i>	13	×	×	×	×	..	×	pelagic			Mainly arctic; littoral.
65 <i>A. verrilli</i>	13	×	×	×	×	..	..	×	..	..	Mainly arctic; littoral.
66 <i>A. groenlandicus</i>	13	..	×	×	..	..	..	×	..	..	Unknown.
67 <i>Leptonereis glauca</i>	14	..	×	..	×	..	..	..	×	×	Lusitanian; arctic abyssal.
68 <i>Ceratocephala borealis</i>	14	..	×	..	×	..	..	..	×	×	Unknown.
69 <i>Nereis pelagica</i>	14; V; E	×	×	×	×	×	×	×	×	..	Cosmopolitan; mainly littoral.
70 <i>N. zonata</i>	15; V; E; d	×	×	×	×	×	×	×	×	..	Panarctic; boreal; lusitanian; littoral; abyssal.
71 <i>N. diversicolor</i>	15	..	×	×	..	..	..	×	..	..	Boreal; boreo-arctic; lusitanian; littoral.
72 <i>N. paradoxa</i>	15	..	×	×	..	..	..	×	..	..	Arctic; littoral.
74 <i>Nephtys coeca</i>	15; VI; F	×	×	×	×	×	×	×	×	..	Arctic; boreal; lusitanian; mainly littoral.
75 <i>N. coeca</i> var. <i>ciliata</i>	15; VI	×	×	..	×	×	..	×	..	..	Boreo-arctic; boreal; littoral.
77 <i>N. ciliata</i>	16; VI; F; d	×	×	×	×	×	×	×	..	..	Arctic; boreal; lusitanian; littoral.
78 <i>N. longosetosa</i>	16	..	×	×	×	..	..	×	×	..	Arctic; boreal; mainly littoral.
79 <i>N. incisa</i>	16	×	..	×	..	..	..	×	..	..	Arctic; boreal; littoral.
80 <i>N. paradoxa</i>	16; VI; F; d	×	×	×	×	×	×	×	×	×	Arctic; boreal; littoral and abyssal.
81 <i>N. malmgreni</i>	16; F	×	×	..	×	..	×	×	×	×	Arctic; boreal; lusitanian; littoral and abyssal.
82 <i>Ephesia gracilis</i>	17	×	×	×	×	..	..	×	×	..	Arctic; boreal; lusitanian; mainly littoral.
83 <i>E. peripatus</i>	17	×	×	..	×	..	..	..	..	×	Arctic; boreal; lusitanian; littoral; arctic abyssal.
84 <i>Sphærodorum claparèdei</i>	17	..	×	..	×	..	..	pelagic			Boreal; lusitanian.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord				Further distribution
								0—200 m	200—1000 m	1000 m	
85 <i>Dysponetus pygmaeus</i> ...	17	×	..	×	..	..	..	×	..	..	Greenland.
86 <i>Glycera capitata</i>	17	×	×	×	×	..	..	×	×	×	Panarctic; boreal; lusitanian; littoral and abyssal.
87 <i>Goniada maculata</i>	17	..	×	..	×	..	..	..	×	..	Boreal; lusitanian; littoral.
88 <i>Eunice pennata</i>	18; G	..	×	..	×	..	×	..	×	×	Mainly boreal and lusitanian; arctic abyssal.
89 <i>Onuphis conchylega</i>	18; VII; G	×	×	×	×	×	×	×	×	..	Panarctic; boreal; lusitanian; littoral and abyssal.
90 <i>Hyalinoecia tubicola</i>	18	..	×	..	×	..	..	..	..	×	Boreal; lusitanian; in the arctic abyssal.
91 <i>Lumbriconereis fragilis</i> ..	17; VIII; H; d	×	×	×	×	×	×	×	×	×	Arctic; boreal; lusitanian; littoral; abyssal.
92 <i>L. impatiens</i>	19	..	×	..	×	..	..	..	×	×	Arctic; boreal; lusitanian; mainly abyssal.
93 <i>L. minuta</i>	19; H	×	×	×	×	..	×	×	×	..	Arctic; boreal; mainly littoral.
94 <i>L. latreilli</i>	19; VIII; H	..	×	..	×	×	×	×	×	..	Boreal; lusitanian; mainly littoral.
96 <i>Drilonereis filum</i>	19	..	×	..	×	..	..	×	..	..	Atlantic; lusitanian; littoral.
97 <i>Paracticus littoralis</i>	19	×	..	×	..	..	..	×	..	..	Greenland; littoral.
98 <i>Scoloplos armiger</i>	20; IX; I	×	×	×	×	×	×	×	×	×	Cosmopolitan; mainly littoral; arctic abyssal.
99 <i>Nainereis quadricuspida</i> .	20	×	×	×	×	..	..	×	..	..	Arctic; boreal; littoral and abyssal.
100 <i>Aricia kupfferi</i>	20	..	×	..	×	..	..	..	..	×	Arctic; boreal; lusitanian; littoral; abyssal.
101 <i>A. norvegica</i>	20	×	..	..	×	..	..	×	..	..	Arctic; boreal; littoral.
102 <i>Laonice cirrata</i>	21; IX; I	×	×	×	×	×	×	×	×	..	Mainly arctic; boreal; littoral and abyssal.
104 <i>Spio filicornis</i>	21; IX; I	×	×	×	×	×	×	×	×	..	Panarctic; boreal; littoral.
106 <i>S. jeffreysi</i>	21	×	..	..	×	..	..	×	..	..	Arctic; littoral.
107 <i>Spiophanes krøyeri</i>	21	..	×	×	..	..	..	×	..	..	Arctic; boreal; mainly littoral.
108 <i>Polydora ciliata</i>	21	×	..	×	..	..	..	×	..	..	Arctic; boreal; lusitanian; littoral.
109 <i>P. coeca</i>	21	×	×	×	×	..	..	×	..	..	Boreal; lusitanian; littoral.
110 <i>Prionospio cirrifera</i>	21	..	×	..	×	..	..	..	..	×	Arctic; boreal; lusitanian; littoral; arctic abyssal.
111 <i>P. steenstrupi</i>	21	×	..	..	×	..	..	..	×	×	Arctic abyssal; boreal; littoral.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord	0—200 m	200—1000 m	> 1000 m	Further distribution
112 <i>Aricidea suecica</i>	20	..	×	..	×	..	..	..	..	×	Arctic abyssal; boreal littoral.
113 <i>Spiochætopterus typicus</i> .	20; IX; I; c	×	×	×	×	×	×	..	×	×	Arctic; boreal; littoral; abyssal.
114 <i>Cirratulus cirratus</i>	22	×	×	×	×	..	..	..	×	×	Arctic; boreal; lusitanian; littoral; abyssal.
115 <i>Chætozone setosa</i>	22	×	×	×	×	..	..	×	×	..	Arctic; boreal; lusitanian; mainly littoral.
116 <i>Flabelligera affinis</i>	23; IX; I	×	×	×	×	×	×	×	×	×	Arctic; boreal; lusitanian; littoral; abyssal.
117 <i>F. infundibularis</i>	23	×	..	×	..	..	..	×	..	..	North America.
118 <i>Stylarioides plumosa</i>	23; IX; I	×	×	×	×	×	×	×	×	..	Arctic; boreal; mainly littoral.
119 <i>Diplocirrus hirsutus</i>	23	..	×	..	×	..	..	×	×	..	Mainly arctic; mainly littoral.
120 <i>Brada villosa</i>	22; IX; I	×	×	×	×	×	×	×	×	..	Arctic; boreal; lusitanian; mainly littoral.
121 <i>B. granulata</i>	22; IX; I	×	×	×	×	×	×	×	×	×	Arctic; boreal; littoral; abyssal.
123 <i>Scalibregma inflatum</i>	24; J	×	×	×	×	..	×	×	×	×	Cosmopolitan; littoral and abyssal.
124 <i>Pseudoscalibregma longisetosum</i>	24	..	×	..	×	..	..	..	..	×	Arctic, abyssal.
125 <i>Eumenia crassa</i>	24; J	..	×	..	×	..	×	..	..	×	Arctic; boreal; mainly littoral.
126 <i>Ophelia limacina</i>	24; J	×	×	×	×	..	×	×	..	..	Arctic; boreal; littoral.
127 <i>Ammotrypane aulogaster</i>	24; X; J	×	×	×	×	×	×	×	..	..	Arctic, boreal; lusitanian; littoral.
128 <i>A. cylindricaudatum</i>	24	..	×	..	×	..	..	..	×	×	Mainly arctic; mainly abyssal.
129 <i>Travisia forbesi</i>	24	×	×	×	×	..	..	×	×	×	Arctic; boreal; mainly littoral; arctic abyssal.
130 <i>Tachytrypane jeffreysi</i>	24	..	×	..	×	..	..	..	..	×	Unknown.
131 <i>Notomastus latericeus</i>	25; J	×	..	×	×	..	×	×	×	×	Cosmopolitan; littoral; abyssal.
132 <i>Capitella capitata</i>	25 J; f	×	×	×	×	..	×	×	..	..	Arctic; boreal; lusitanian; littoral; abyssal.
133 <i>Praxillura longissima</i>	25	..	×	..	×	..	..	..	..	×	Arctic; abyssal.
134 <i>Lumbriclymene nasuta</i>	25	..	×	..	×	..	..	..	..	×	W. of Iceland; abyssal.
135 <i>L. constricta</i>	25	..	×	..	×	..	..	..	..	×	S. of Iceland; abyssal.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord	Depth			Further distribution
								0—200 m	200—1000 m	> 1000 m	
136 <i>L. minor</i>	25	..	×	×	..	..	..	×	..	W. coast of Sweden; the Channel.
137 <i>Notoproctus oculus</i> var. <i>minor</i>	25	..	×	..	×	..	..	×	..	Boreo-arctic; mid-littoral.
138 <i>N. oculus</i> var. <i>arctica</i>	25	×	×	×	×	..	..	×	×	Arctic; littoral and abyssal.
139 <i>N. scutiferus</i>	25	..	×	..	×	..	..	..	×	Unknown.
140 <i>Rhodine lovéni</i>	25	..	×	×	..	..	..	×	..	Boreal; littoral.
141 <i>Nicomache lumbricalis</i>	26; K; f	×	×	×	×	..	×	×	..	Arctic; mainly littoral.	
142 <i>N. quadrispinata</i>	26	..	×	..	×	..	..	×	..	Arctic; mid-littoral.
143 <i>N. sp.</i>	26	..	×	..	×	..	..	×	..	Unknown.
144 <i>Leiochone polaris</i>	26	..	×	..	×	..	..	×	×	Arctic; deep littoral; abyssal.
145 <i>L. borealis</i>	26	..	×	..	×	..	..	×	×	Boreal; mainly abyssal.
146 <i>Maldanella davisi</i>	26	..	×	..	×	..	..	×	×	South of Iceland; abyssal.
147 <i>Praxillella gracilis</i>	26; X; K; f	..	×	×	×	×	×	×	..	Mainly arctic; boreal; lusitanian; mainly littoral.	
148 <i>P. prætermisssa</i>	26	×	×	×	×	..	..	×	×	Arctic and boreal; littoral; abyssal.
149 <i>Axiothella catenata</i>	27; K	×	×	×	×	..	×	×	..	Panarctic; boreal; mainly littoral.	
150 <i>Heteroclymene robusta</i>	27	..	×	..	×	..	..	×	..	Boreal; littoral.
151 <i>Maldane sarsi</i>	27; X; K	×	×	×	×	×	×	×	..	Cosmopolitan; littoral.	
152 <i>M. glebifex</i>	K	..	..	..	..	..	×	..	×	Atlantic; Mediterranean.
153 <i>Asychis biceps</i>	27; K	×	×	..	×	..	×	..	×	Arctic; boreal; lusitanian; littoral and abyssal.	
154 <i>Owenia fusiformis</i>	28; XI; L; f	×	×	×	×	×	×	×	..	Panarctic; boreal; lusitanian; mainly littoral.	
155 <i>Myriochele heeri</i>	28; XI; L; f	×	×	×	×	×	×	×	..	Arctic, boreal; lusitanian; littoral and abyssal.	
156 <i>Sternaspis scutata</i>	28	×	..	×	..	..	..	×	×	Boreo-arctic; boreal; atlantic; mainly littoral.
157 <i>Arenicola marina</i>	28	×	×	..	..	..	..	×	..	Arctic; boreal; lusitanian; littoral.
158 <i>Cistenides granulata</i>	29	×	×	×	..	..	..	×	..	Arctic, boreal; littoral.
159 <i>C. hyperborea</i>	29; X; M; g	×	×	×	×	×	×	×	..	Panarctic; boreal; mainly littoral.	
160 <i>Ampharete acutifrons</i>	30; XII; N	×	..	×	..	×	×	×	..	Arctic; boreal; lusitanian; littoral.	
161 <i>A. finmarchica</i>	30; XII; N; g	×	..	×	..	×	×	×	..	Mainly arctic; mainly littoral.	

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord	0—200 m	200—1000 m	> 1000 m	Further distribution
162 <i>A. goësi</i>	30	×	×	×	×	..	..	×	..	..	Panarctic; littoral.
163 <i>Sabellides borealis</i>	30; N	×	×	×	×	..	×	×	..	..	Arctic; boreal; littoral.
164 <i>Amphiteis gunneri</i>	30; N	×	×	×	×	..	×	×	×	..	Arctic; boreal; lusitanian; littoral and abyssal.
165 <i>A. sundevalli</i>	30; N	×	×	×	×	..	×	×	..	..	Arctic; littoral.
166 <i>Lysippe labiata</i>	30; XIII; M	×	×	×	×	×	×	×	×	..	Mainly arctic; boreal; mainly littoral.
167 <i>Samythella neglecta</i>	30; M	×	×	..	×	..	×	×	..	×	The Norwegian Sea.
168 <i>Glyphanostomum palescens</i>	31; N	..	×	..	×	..	×	×	×	×	Arctic; mainly abyssal.
169 <i>Amage auricula</i>	31	×	..	×	×	..	..	×	..	..	Arctic; boreal; mainly littoral.
170 <i>Melinna cristata</i>	31; O; g	×	×	×	×	..	×	×	×	×	Almost cosmopolitan; mainly littoral.
171 <i>Melinnides rostrata</i>	31	..	×	..	×	..	..	..	..	×	Unknown.
172 <i>Amphitrite eirrata</i>	32; XIII; O; k	×	×	×	×	×	×	×	×	×	Arctic; boreal; lusitanian, mainly littoral.
173 <i>A. affinis</i>	32; O	..	×	..	×	..	×	×	×	..	Boreal; lusitanian; mainly littoral.
174 <i>A. groenlandica</i>	32; XIII; O	×	×	×	×	..	×	×	×	..	Arctic; littoral.
175 <i>Nicolea venustula</i>	32; XIII; O; h	×	×	×	×	×	×	×	..	..	Arctic; boreal; lusitanian; littoral; abyssal.
176 <i>Pista maculata</i>	33; XIII; P; h	×	×	×	×	×	×	×	×	..	Arctic; mainly littoral.
177 <i>P. flexuosa</i>	33; XIII	×	×	×	×	×	..	×	..	..	Arctic; littoral.
178 <i>Leæna abbranchiata</i>	33; XIII	×	×	×	×	×	..	×	×	..	Mainly arctic; littoral and abyssal.
179 <i>Baffinia multisetosum</i>	33	×	..	×	..	..	..	×	..	..	Unknown.
180 <i>Thelepus cincinnatus</i>	34; XIV; P; h	×	×	×	×	×	×	×	×	×	Cosmopolitan; littoral; abyssal.
181 <i>Polycirrus medusa</i>	34; P	×	×	×	×	..	×	×	×	..	Arctic; boreal; mainly abyssal.
182 <i>P. albicans</i>	34; P	×	×	×	..	..	×	×	×	..	Arctic; boreo-arctic; littoral.
183 <i>Trichobranchus glacialis</i>	34; P	×	..	×	×	..	×	×	..	..	Arctic; boreal; mainly littoral.
185 <i>Terebellides strømi</i>	34; XIV; P	×	×	×	×	×	×	×	×	×	Cosmopolitan; littoral; abyssal.
186 <i>Sabella pennicillus</i>	35	×	..	×	..	..	..	×	..	..	Arctic; boreal; littoral.
187 <i>S. fabricii</i>	35	×	×	×	..	..	..	×	..	..	Arctic; boreal; lusitanian; littoral.

Table 1 (continued).

Species	Chart	N. of the ridge	S. of the ridge	Coastal waters	Open sea	Nordre Strømfjord	Kvane- and Bredefjord				Further distribution
								0—200 m	200—1000 m	^ 1000 m	
188 <i>Potamilla neglecta</i>	35; Q	×	×	×	×	..	×	×	×	..	Arctic; mainly littoral.
189 <i>P. reniformis</i>	35	×	..	×	..	..	..	×	..	..	Arctic; boreal; lusitanian; littoral.
190 <i>Sabellastarte arctica</i>	35; XV	×	..	×	×	×	..	×	×	..	Unknown.
191 <i>Dasychone infarcta</i>	35; XV; i	×	×	×	×	×	×	×	×	..	Panarctic; littoral.
192 <i>Chone dunerii</i>	35	×	..	×	×	..	..	..	×	×	Arctic; boreal; lusitanian; littoral; abyssal.
193 <i>C. infundibuliformis</i>	35; Q	×	×	×	×	..	×	×	×	×	Panarctic; boreal; lusitanian, mainly littoral; abyssal.
194 <i>Euchone analis</i>	36; Q	×	×	×	×	..	×	×	×	..	Panarctic; mainly littoral.
195 <i>E. papillosa</i>	36; Q	×	×	×	×	..	×	×	×	..	Arctic; boreal; mainly littoral.
196 <i>Fabricia sabella</i>	36	×	..	×	..	..	..	×	..	..	Boreo-arctic; boreal; lusitanian: littoral.
197 <i>Myxicola infundibulum</i> ..	36	×	..	×	..	..	..	×	..	..	Arctic; boreal; littoral.
198 <i>Serpula vermicularis</i>	36	×	..	..	×	..	..	×	..	..	Boreal; lusitanian; littoral.
199 <i>Hydroides norvegica</i>	36; Q	×	×	..	×	..	×	..	×	..	Boreal; lusitanian; littoral.
200 <i>Pomatoceros triqueter</i> ...	36	..	×	×	..	..	..	×	..	..	Boreal; lusitanian; littoral.
201 <i>Placostegus tridentatus</i> ..	37	..	×	..	×	..	..	×	..	..	Arctic; boreal; lusitanian; littoral.
203 <i>Miroserpula inflata</i>	37	×	×	×	×	..	..	×	..	..	Boreal; littoral.
204 <i>Filograna implexa</i>	37	..	×	..	×	..	..	×	×	..	Cosmopolitan; mainly littoral.
205 <i>Protula arctica</i>	37; Q; i	×	×	×	×	..	×	×	×	×	Boreal; arctic abyssal; littoral.
206 <i>Apomatus globifer</i>	37	×	..	..	×	..	..	..	×	..	Arctic; boreal; lusitanian; mid-littoral.
208 <i>Spirorbis spirillum</i>	37; XV; Q	×	×	×	×	×	×	×	..	..	Arctic; boreal; littoral.
209 <i>S. cancellatus</i>	37	×	×	×	×	..	..	×	..	..	Arctic; boreo-arctic; littoral.
210 <i>S. verruca</i>	37	×	×	×	×	..	..	×	..	..	Arctic; littoral.
211 <i>S. spirorbis</i>	37; XV; Q	×	×	×	×	×	×	×	..	..	Arctic; boreal; lusitanian; littoral.
212 <i>S. violaceus</i>	37	..	×	..	..	..	..	×	..	..	Arctic; littoral.
213 <i>S. granulatus</i>	37; XV	×	×	..	..	×	..	×	..	..	Arctic; boreal; littoral.
214 <i>S. vitreus</i>	37	×	×	..	..	..	..	×	..	..	North America; littoral.
215 <i>S. mörchi</i>	37	..	×	..	..	..	..	×	..	..	Iceland; littoral.

GENERAL REMARKS

The area whose polychætous fauna is treated in this paper is very extensive, and its hydrographic as well as bathymetric conditions vary considerably from south to north, a fact which was confirmed especially during the investigations carried out by the "Godthaab" expedition in 1928. A submarine ridge between Holsteinsborg and Cape Walsingham (65°—67° N. Lat.) separates the area into two parts. The southern part is an offshoot of the Atlantic Ocean; the bottom temperature is here always positive (about 2° C) even at depths of about 2500 m; in the northern part the temperature of the abyssal region is negative (about \div 0,4°C). South of the ridge the deep basin of Davisstræde is filled up with Atlantic water, the temperature of which is about 3° C at the surface and about 4° C some hundreds meters below the surface, again decreasing to about 2° C in the abyssal regions. Part of the Atlantic water passes the ridge and enters the basin of Baffins Bugt, forming an intermediate layer with a positive temperature down to a depth of about 1000 m below the surface. On the ridge proper the maximum depth amounts to about 700 m, and the abyssal species on either side of the ridge therefore stand only little chance of crossing the ridge. It is easy to suggest, therefore, that the faunas of the two deep sea areas are composed of various faunistic elements, i. e. that true arctic or boreo-arctic species would dominate in the northern part, and boreal and atlantic forms in the southern part of the area. It was just one of the principal aims of the "Godthaab" expedition to compare the faunas of these two areas, and the literature published until now on this subject on many points confirms the presumption of a different composition of the faunas.

In the littoral area the bathymetric and hydrographic conditions are different from those in the open sea. In order to get a survey of these conditions it has proved convenient to divide the coast into different sections, because depth as well as hydrography vary highly along the coast. In broad features the account of these conditions in the different sections given by KRAMP (1932) has been followed here.

The area from Disko to Kap Farvel is characterized bathymetrically by a series of banks separated from the coast by deeper channels. These off-shore banks are Store Hellefiskebanke between Egedesminde and Holsteinsborg, Lille Hellefiskebanke off Sukkertoppen, Fyllas Banke off Godthaab and Fiskenæs Banke off Fiskenæsset. On these extensive banks there are places where the depth does not surpass 50 m. On these banks much dredging and hauling have been done and many samples have been taken, especially by WANDEL, the "Ingolf" 1895, the "Dana" 1925 and RIIS-CARSTENSEN 1926, the bottom fauna thus being fairly well known. Off the southernmost part of the coast from Frederikshaab to Kap Farvel only small and scattered banks are found; they rise to about 100 m below the surface.—North of Disko and especially in Melville Bugt scattered off-shore banks are found too, but neither these nor the coastal area proper have hitherto been thoroughly investigated, mainly on account of the huge glaciers, which reach the coast here, and the constant fog.

The hydrographic conditions in the littoral areas of South West Greenland is influenced by the cold East Greenland Polar Current, which continues northwards close to the coast in the southernmost part and is responsible for the huge masses of ice, which persist until late in the summer. In the spring and early summertime the cold water reaches the bottom of the off-shore banks, later on, especially in the autumn, the bottom temperature rises from below 0° to about 6° C, thus being subjected to rather large oscillations. Continuing northwards the Polar Current deviates from the coast and its temperature increases considerably during the summer months; in this area it reaches the bottom of the banks too, and in accordance with the oscillations of the temperature of the current-water the temperature of the bottom oscillates too, but not so abruptly as in the southernmost part of the littoral area.—Still farther northwards, on Store Hellefiskebanke, the conditions alter once more. In this area the water is cold far into the winter on account of the ice covering, but already in early spring the ice breaks up and the temperature rises, mainly because of the Polar Current, the temperature of which is considerably higher than in the southern areas. Therefore, the temperature on Store Hellefiskebanke is higher than on Lille Hellefiskebanke and Fyllas Banke.

In the area round Disko the bathymetric conditions are altered. No banks are found here outside the coast, which slopes evenly downwards into the abyssal region. Outside the shelf a current of warm water (1—2° C) moves northwards in an intermediary layer in a depth of 300—500 m, and a branch of this warm current enters Disko Bugt and continues northwards through the Vaigat. Between Umanak and Upernavik the surface water is of a fairly high temperature in the summer

months, when the sun does not set beneath the horizon, but the temperature of the bottom water is never above 0°; finally, still farther northwards, unto Inglefield Bredning and the entrance of Smith Sund the temperature of the water never surpasses 0° except for a very thin surface layer in the warmest time of the summer.

If we turn to the polychaetes in order to find out whether there is a more or less sharp limit between the faunas of these different areas in the open sea as well as in coastal waters, we find that the present collections once more show, how great is the adaptability of the polychaetes to different conditions, and how difficult it is—perhaps almost impossible—to base zoogeographic investigations on the distribution of polychaetes. Only few marine animal groups embrace so many cosmopolitan species or so many occurring over so widely extended areas and in so different habitats.

The reason for this great adaptability should primarily be sought in the greatly varying mode of reproduction of the polychaetes. The same species may under certain conditions be viviparous, under other conditions oviparous; or we might meet with species which under certain conditions have a pelagic planktotrophic larval development and under others have pelagic lecithotrophic larvae or a non-pelagic development. Various forms of vegetative reproduction and brood-protection are also well-known phenomena within the polychaetes, and it is well-known, that different modes of reproduction in the same species may occur within fairly limited areas; even the same individual may propagate in different ways at the different seasons. This naturally implies that the same species may occur over vast areas, and that the polychaetes on the whole are not very particular in their choice of habitats, and that their possibilities of distribution are numerous.

In table I is given a summary survey of the horizontal and vertical distribution of the polychaetes in West-Greenland seas. Counting the species we find that out of 206 species with closer statements of locality in West-Greenland, 100 occur both north and south of the ridge, while 70 are found only south of the ridge and 33 only north of it; the remaining three have only been found in the fjords.

Of the 33 species only found north of the ridge the following are mainly arctic species (1,98 %):

5. *Gattyana amondseni* (MLMGR.).
6. *Harmothoë senta* (MOORE).
26. *Melænis lovéni* MLMGR.
40. *Pelagobia longicirrata* GREEFF.
106. *Spio jeffreysi* (Mc'INT.).

117. *Flabelligera infundibularis* JOHNST.
 161. *Ampharete finmarchica* (M. SARS).

Of the 70 species found only south of the ridge the following are mainly arctic species (10,5 %):

18. *Harmothoë aspera* (ARM. HANS.).
 36. *Eulalia tripunctata* MC'INT.
 37. *E. tjalfiensis* DITL.
 38. *Mystides occidentalis* DITL.
 55. *Syllis armillaris* (O. F. MÜLL.).
 59. *Sphærosyllis latipalpis* LEVINS.
 72. *Nereis paradoxa* ØRST.
 119. *Diplocirrus hirsutus* ARM. HANS.
 124. *Pseudoscalibregma longisetosum* THEEL.
 128. *Ammotrypane cylindricaudatum* ARM. HANS.
 133. *Praxillura longissima* ARW.
 142. *Nicomache quadrispinata* ARW.
 144. *Leiochone polaris* (THÉEL).
 168. *Glyphanostomum palescens* (THÉEL).
 212. *Spirorbis violaceus* LEVINS.

Of the 100 species occurring both north and south of the ridge the following are mainly arctic (19,5 %):

30. *Phyllodoce citrina* MLMGR.
 31. *P. groenlandica* ØRST.
 57. *Syllis fasciata* MLMGR.
 64. *Autolytus prismaticus* (O. FABR.).
 65. *A. verrilli* MARENZ.
 102. *Laonice cirrata* (M. SARS).
 138. *Notoproctus oculatus* var. *arctica* ARW.
 141. *Nicomache lumbricalis* (O. FABR.).
 162. *Ampharete goësi* MLMGR.
 165. *Amphicteis sundevalli* MLMGR.
 166. *Lysippe labiata* MLMGR.
 174. *Amphitrite groenlandica* MLMGR.
 176. *Pista maculata* (DAL.).
 177. *P. flexuosa* (GRUBE).
 178. *Leæna abranchiata* MLMGR.
 188. *Potamilla neglecta* M. SARS.
 191. *Dasychone infarcta* (KRØYER).
 194. *Euchone analis* (KRØYER).
 210. *Spirorbis verruca* (O. FABR.).

The boreal and lusitanian species are dispersed as follows:

Of the 33 species only found north of the ridge the following are mainly southern species (1,65 %):

- 23. *Lagisca hubrechtii* (Mc'INT.).
- 32. *Phyllodoce mucosa* ØRST.
- 50. *Tomopteris planktonis* APST.
- 196. *Fabricia sabella* EHRENB.
- 198. *Serpula vermicularis* L.

Of the 70 species found only south of the ridge the following are mainly southern species (23,1 %):

- 1. *Aphrodite aculeata* (L.).
- 2. *Lætmonice flicornis* KINB.
- 12. *Harmothoë vesiculosa* DITL.
- 15. *H. mollis* (G. O. SARS).
- 16. *H. bathydomus* DITL.
- 44. *Euprosyne cirrata* M. SARS.
- 45. *Spinther citrinus* (STIMPS.).
- 46. *Tomopteris nissenii* ROSA.
- 47. *T. cavalli* ROSA.
- 48. *T. krampi* E. W.-L.
- 51. *Travisiopsis lanceolata* SOUTHERN.
- 52. *T. levinseni* SOUTHERN.
- 60. *Exogone verrugera* CLAP.
- 61. *E. hebes* WEBST. & BEN.
- 67. *Leptonereis glauca* CLAP.
- 71. *Nereis diversicolor* O. F. MÜLL.
- 84. *Sphærodorum claparèdei* GREEFF.
- 87. *Goniada maculata* ØRST.
- 88. *Eunice pennata* (O. F. MÜLL.).
- 90. *Hyalinoecia tubicola* (O. F. MÜLL.).
- 94. *Lumbriconereis latreilli* AUD. & EDW.
- 96. *Drilonereis filum* (CLAP.).
- 134. *Lumbrichymene nasuta* E. W.-L.
- 135. *L. constricta* E. W.-L.
- 136. *L. minor* ARW.
- 137. *Notoproctus oculatus* var. *minor* ARW.
- 140. *Rhodine lovéni* MLMGR.
- 145. *Leiochone borealis* ARW.
- 146. *Maldanella davisi* E. W.-L.
- 150. *Heteroclymene robusta* ARW.
- 173. *Amphitrite affinis* MLMGR.

199. *Hydroides norvegica* (GUNN.).
 200. *Pomatocerus triqueter* L.

Of the 100 species occurring both north and south of the ridge the following are mainly southern species (6 %):

27. *Leanira tetragona* ØRST.
 33. *Phyllodoce maculata* (L.).
 49. *Tomopteris septentrionalis* QUARTREF.
 63. *Autolytus prolifer* (O. F. MÜLL.).
 109. *Polydora coeca* (ØRST.).
 203. *Miroserpula inflata* DONS.

Of the total number of polychaetes from West-Greenland, 215 species, the following are nearly cosmopolitan (23,6 %):

24. *Macellicephala violacea* (LEVINS.).
 69. *Nereis pelagica* L.
 98. *Scoloplos armiger* (O. F. MÜLL.).
 123. *Scalibregma inflata* RTKE.
 131. *Notomastus latericeus* M. SARS.
 151. *Maldane sarsi* MLMGR.
 154. *Owenia fusiformis* D. CHIAJE.
 170. *Melinna cristata* M. SARS.
 180. *Thelepus cincinnatus* (O. Fabr.).
 185. *Terebellides strømi* M. SARS.
 204. *Filograna implexa* BERKELEY.

As to the bathymetrical distribution of the West-Greenland polychaetes we must restrict ourselves to divide the species into three groups; 1° species which occur in all depths from the shore to the deep sea; 2° species which are found only in shallow waters and 3° species which occur only beyond the 1000 m line. Shallow water means depths from the shore down to about 200 m; in this area all the off-shore banks will thus be included.

Table I shows 1°: the species which are evenly distributed from the shore till the abyssal region amount to 20 (41,2 %), 2°: species only inhabiting shallow waters amount to 65 (133,9 %), and, finally, 3°: species which only occur beyond the 1000 m line amount to 16 (32 %). These latter are:

16. *Harmothoë bathydomus* DITL.
 17. *H. acanella* (VERRILL).
 28. *Sthenelais jeffreysi* Mc'INT.
 83. *Ephesia peripatus* CLAP.
 90. *Hyalinoecia tubicola* (O. F. MÜLL.).

100. *Aricia kupfferi* EHL.
110. *Prionospio cirrifera* WIRÉN.
112. *Aricidea suecica* ELIAS.
124. *Pseudoscalibregma longisetosa* THÉEL.
125. *Eumenia crassa* ØRST.
130. *Tachytrypane jeffreysi* Mc'INT.
133. *Praxillura longissima* ARW.
134. *Lumbriclymene nasuta* E. W.-L.
135. *L. constricta* E. W.-L.
139. *Notoproctus scutiferus* E. W.-L.
171. *Melinnides rostrata* E. W.-L.

All these species except *Ephesia peripatus* are found in the deep basins south of the ridge; only *Ephesia* is found both north and south of it.—Nearly all these abyssal species are boreal forms, and are therefore quite naturally only to be found in great depths in the arctic area.

SOME REMARKS
ON THE WEST-GREENLAND FJORDS,
ESPECIALLY NORDRE STRØMFJORD
AND BREDEFJORD

Some of the most extensive fjord areas of the world are found in Greenland, even the largest of them all, viz. the areas of Kejser Franz Josephs Fjord and Scoresby Sund in East-Greenland. The polychætous faunas of these areas will be treated in a following paper. In West-Greenland, however, there are large fjord areas too, especially in the southern part, and during the summers of 1911 and 1912 two of these areas were thoroughly studied both faunistically and hydrographically, viz. Nordre Strømfjord in about 68° N. Lat. by V. NORDMANN in 1911 and Brede- and Kvanefjord in about 60¹/₂° N. Lat. and 62° N. Lat. resp. by K. STEPHENSEN in 1912.

The reason why just these two areas were selected for investigation was that the "Tjalfe" Expedition of 1908 and 1909 had shown that the fjords in southern Greenland were of a different geological and hydrographical character. The greater part of the West-Greenland fjords are barred from the open sea outside by a submarine ridge across the mouth, but the "Tjalfe" Expedition ascertained that this was not the case in all of them. In some of them there is no threshold at the mouth and therefore free access for the warm Atlantic bottom water, which fills the deeper parts of Davisstræde; in the barred fjords the warm bottom water can not enter. In other words the open fjords bear an Atlantic, the barred fjords an arctic stamp. Thus the presence or absence of the submarine ridge quite naturally involves that the bottom fauna of the two types of fjords is of a different composition owing to the distinctly different hydrographical conditions at the bottom. A comparison of the deep water faunas of the two fjord-types therefore will be of great interest. Nordre Strømfjord was selected as the type of the barred, arctic fjords, and Kvanefjord south of Frederikshaab and the

much larger Bredefjord north of Julianehaab were selected as examples of open, Atlantic fjords. In both fjord-types the surface water is nourished by the cold polar current with negative temperatures at a depth of about 50—100 metres. In Nordre Strømfjord the deeper water layers still have a temperature constantly below 0°, whereas in Bredefjord and Kvanefjord below the cold surface layer there is a thick layer with positive temperatures (2°—3,3° C) and a fairly high salinity (34 ‰) rather similar to the hydrographical conditions prevailing in the deep basins of Davisstræde. This is undoubtedly due to the great depths at the mouths of these two southern fjords, so that the warm Atlantic water from Davisstræde can enter them. On account of the similar conditions of the surface layers the shallow parts of both fjord-types have nearly the same hydrographical character, and the littoral zone of both of them might therefore be expected to harbour a fauna of the usual arctic type. The difference between them thus can only be disclosed by a comparison of the faunas of the deeper parts.

As already pointed out by KRAMP (1932) only a small part of the collections from 1911 and 1912 has been systematically treated. Still it must be said that a general comparison of the faunas of the two fjords can not be given. As done by HARTMEYER (1921) and KRAMP (op. cit.), a table is given here showing the number of species of each groups of animals, which hitherto have been systematically treated. Table II shows that the 6 groups of animals may be divided into two groups: one which contains the animals which prefer the Bredefjord with the arctic stamp, and one which contains those, which are generally found in the more arctic Nordre Strømfjord. The table shows that the polychætes, like the *Crustacea*, *Pycnogonida* and *Echinodermata* are most numerous in the Atlantic Bredefjord, whereas the *Ascidiacea* and *Hydroida* are most numerous in the arctic Nordre Strømfjord.

As to the polychætes this is in my opinion quite natural, because it closely agrees with the fact that the number of species of polychætes found only south of the submarine ridge in the Atlantic part of Davisstræde is by far the largest, i. e. the Atlantic element of the polychæte fauna is far greater than the arctic element; it is therefore most probably the temperature which is the only cause of the predominating number of species in Bredefjord. Of course the character of the bottom is of some importance too, but on the whole the polychætes also in this respect show a rather great independence. The same species may be found in muddy, oozy, clayey or mixed bottoms, others in bottoms consisting of sand, shell-gravel or gravel; even the tubicolous species may often choose different kinds of material for their tubes. Only a few species require solid objects for attachment, as only a rather small number belong to the

epifauna; ground consisting of rocks is therefore the only bottom where polychætes are not found in appreciable numbers.—Furthermore, it must be said that the conditions of the bottom in the two fjords considered here only vary little and therefore the difference in number of the polychætes can not be explained by the character of the bottom.

In the fjord areas under consideration altogether 90 species of polychætes occur. According to Table III which gives a synoptic and brief survey of their distribution, they are dispersed as follows: In both fjords 45 species; in Kvane- and Bredefjord alone 36 species and in Nordre Strømfjord alone 9 species. Among the species from Bredefjord we find three which are found nowhere else in West-Greenland, viz. *Nemidia torelli* (MALMGR.), *Mystides borealis* THÉEL and *Maldane glebifex* GR.

Like previous authors have done I give here a table which shows the distribution of the species in the different sections of the fjords at different depths (Table IV). Furthermore the table gives—inside each area—a survey of the number of stations at which each species has been taken, and finally, the total number of specimens secured. In Nordre Strømfjord the stations are evenly dispersed all over the fjord, and the 15 charts of distribution will show how far each species penetrates into the long and narrow fjord.—As to Bredefjord the number of dredgings are much more numerous in the outer and central parts, whereas only comparatively little dredging has been done in the Sermilik and the Tunugdliarfik. The occurrence of the different animals in these two fjords may therefore be more accidental. Nevertheless, we find that the collections of polychætes distinctly confirm the results of previous authors, viz. that the number of species rapidly and considerably decrease from the outer part inwards, and that the faunas of the Sermilik and Tunugdliarfik may be regarded as an impoverished one. Thus in Bredefjord 68 species of polychætes are found, in Sermilik 18, in Skovfjord 33 and in Tunugdliarfik 17.

As regards the bathymetrical distribution the following few general remarks may be made: As seen from Table IV many of the species are found below the 200 m line as well as in the littoral zone, whereas other species are restricted either to the abyssal region or inside the 25 m line.

In Nordre Strømfjord the following species are only littoral:

5. *Gattyana amondseni* MALMGREN.
11. *Harmothoë longisetis* (GRUBE).
20. *H. villosa* (MALMGREN).
29. *Pholoë minuta* (O. FABRICIUS).

42. *Eteone flava* (O. FABRICIUS).
 116. *Flabelligera affinis* SARS.

and the following only littoral in Bredefjord:

11. *Harmothoë longisetis* (GRUBE).
 25. *Nemidia torelli* MALMGREN.
 29. *Pholoë minuta* (O. FABRICIUS).
 41. *Eteone longa* (O. FABRICIUS).
 57. *Syllis fasciata* MALMGREN.
 116. *Flabelligera affinis* SARS.
 126. *Ophelia limacina* (RATHKE).
 132. *Capitella capitata* (O. FABRICIUS).
 175. *Nicolea venustula* (MONTAGU).

Only abyssal in Nordre Strømfjord are:

13. *Harmothoë badia* THÉEL.
 190. *Sabelastarte arctica* DITLEVSEN.
 191. *Dasychone infarcta* (KRØYER)

and only abyssal in Brede- and Kvanefjord are:

8. *Harmothoë nodosa* (M. SARS).
 13. *H. badia* THÉEL.
 17. *H. acanella* (VERRILL).
 31. *Phyllodoce groenlandica* (ØRSTED).
 33. *P. maculata* (LINNÉ).
 167. *Samythella neglecta* WOLLEBÆK.
 170. *Melinna cristata* (M. SARS).
 181. *Polycirrus medusa* GRUBE.
 182. *P. albicans* (MALMGREN).
 183. *Trichobranchus glacialis* MALMGREN.
 188. *Potamilla neglecta* M. SARS.
 193. *Chone infundibuliformis* KRØYER.
 194. *Euchone analis* (KRØYER).
 199. *Hydroides norvegica* (GUNNERUS).
 211. *Spirorbis spirorbis* (LINNÉ).

Common to the littoral zones of the two fjords are only *Harmothoë longisetis*, *Pholoë minuta*, and *Flabelligera affinis* and for the abyssal regions only *Harmothoë badia*. No species are found only in the littoral zone in one of the fjords and in the abyssal zone in the other. The finds

in Nordre Strømfjord offer—in bathymetrical respect—nothing of interest; it should only be mentioned that *Dasychone infarcta* is mainly a littoral species, and here it is found outside the 200 m line. A number of species, which otherwise are mainly littoral are, however, in Bredefjord exclusively found in the abyssal parts, viz.: *Phyllodoce groenlandica*, *Melinna cristata*, *Polycirrus albicans*, *Trichobranchus glacialis*, *Potamilla neglecta*, *Euchone analis*, *Hydroides norvegica*, and *Spirorbis spirorbis*.

Table II.
 Number of species of various groups of animals in
 the fjords investigated
 (from KRAMP 1932 p. 25, with polychætes added).

	Total no. of species	Nordre Strøm- fjord	Kvane- fjord	Brede- fjord	Sermilik	Skov- fjord	Tunug- dliar- fik
Crustacea	89	53	27	81	3	29	19
Pycnogonida	10	3	2	7	1	2	1
Echinodermata	37	23	7	36	3	11	4
Asciacea	27	20	10	16	2	11	8
Hydroida	44	32	9	15	0	12	7
Polychæta	90	54	26	68	18	33	17

Table III. Distribution of Polychætes in the fjords.

	Species	Nor- dre Strøm- fjord	Kva- ne- fjord	Brede- fjord	Sermi- lik	Skov- fjord	Tunug- dliar- fik
4	<i>Gattyana cirrosa</i>	×	×	×	..	×	×
5	<i>G. amondseni</i>.....	×	..	..	..	..	..
8	<i>Harmothoë nodosa</i>.....	×	..	×	..	..	..
9	<i>H. imbricata</i>	×	×	×	..	×	×
11	<i>H. longisetis</i>	×	..	×	..	×	..
13	<i>H. badia</i>.....	×	×	×	..	..	..
14	<i>H. sarsi</i>.....	×	..	..	..	..	..
17	<i>H. acanella</i>.....	..	×	..	..	..	..
20	<i>H. villosa</i>.....	×	..	×	×	..	..
22	<i>Lagisca extenuata</i>	×	×	×	..	×	..
25	<i>Nemidia torelli</i>.....	..	..	×	..	..	..
29	<i>Pholoë minuta</i>	×	..	×	..	×	..
31	<i>Phylodoce groenlandica</i>.....	×	..	..	..	..	×
33	<i>P. maculata</i>.....	..	..	..	..	..	×
39	<i>Mystides borealis</i>.....	..	..	..	..	×	..
41	<i>Eteone longa</i>.....	..	..	×	..	..	×
42	<i>E. flava</i>.....	×	..	..	..	..	..
53	<i>Castalia aphroditoides</i>.....	..	..	×	..	×	×
55	<i>Syllis armillaris</i>.....	..	..	..	..	×	..
56	<i>S. cornuta</i>	×	×	×	..	×	..
57	<i>S. fasciata</i>.....	×	..	×	..	..	..
58	<i>Eusyllis blomstrandii</i>.....	×	..	..	..	..	..
64	<i>Autolytus prismaticus</i>.....	..	×	..	..	..	..
69	<i>Nereis pelagica</i>.....	×	..	×	..	..	..
70	<i>N. zonata</i>.....	×	×	×	..	..	..
74	<i>Nephtys coeca</i>.....	×	..	×	..	..	..
75	<i>N. coeca</i> var. <i>ciliata</i>.....	×	..	..	..	..	..
77	<i>N. ciliata</i>	×	×	×	×	×	..
80	<i>N. paradoxa</i>	×	×	×	..	×	×
81	<i>N. malmgreni</i>.....	..	..	×	×	..	×
88	<i>Eunice pennata</i>.....	..	..	×	..	×	×
89	<i>Onuphis conchylega</i>	×	..	×	×	×	×
91	<i>Lumbriconereis fragilis</i>	×	×	×	×	×	..
93	<i>L. minuta</i>.....	..	..	×	..	×	..
94	<i>L. latreilli</i>.....	×	..	×	..	..	..
98	<i>Scoloplos armiger</i>.....	×	..	..	..	×	..
102	<i>Laonice cirrata</i>.....	×	..	..	×	..	..
104	<i>Spio filicornis</i>.....	×	..	×	..	..	..
113	<i>Spiochætopterus typicus</i>	×	×	×	×	×	..
116	<i>Flabelligera affinis</i>	×	..	×	..	×	×
118	<i>Stylarioides plumosa</i>.....	×	..	×	..	..	..
120	<i>Brada villosa</i>.....	×	..	×	..	..	..
121	<i>B. granulata</i>.....	×	..	×	..	..	..
123	<i>Scalibregma inflatum</i>.....	..	..	..	..	×	..
125	<i>Eumenia crassa</i>.....	..	..	×	..	..	..

Table III (continued).

	Species	Nor- dre Strøm- fjord	Kva- ne- fjord	Brede- fjord	Sermi- lik	Skov- fjord	Tunug- dliar- fik
126	<i>Ophelia limacina</i>.....	..	..	×	..	..	..
127	<i>Ammotrypane aulogaster</i>.....	×	..	..	..	×	..
131	<i>Notomastus latericeus</i>.....	..	..	×	..	..	..
132	<i>Capitella capitata</i>.....	..	×	×	..	×	..
141	<i>Nicomache lumbricalis</i>.....	..	×	×	..	..	..
147	<i>Praxillella gracilis</i>.....	×	×	×	..	..	..
149	<i>Axiothella catenata</i>.....	..	..	×	×	..	..
151	<i>Maldane sarsi</i>.....	×	..	×	..	..	..
152	<i>M. glebifex</i>.....	..	..	..	..	..	×
153	<i>Asychis biceps</i>.....	..	..	..	×	..	..
154	<i>Owenia fusiformis</i>	×	×	×	..	×	×
155	<i>Myriochele heeri</i>	×	×	×	×	×	×
159	<i>Cistenides hyperborea</i>	×	×	×	×	×	×
160	<i>Ampharete acutifrons</i>.....	×	..	×	..	..	..
161	<i>A. finmarchica</i>	×	×	×	×	×	×
163	<i>Sabellides borealis</i>.....	..	..	×	×	..	..
164	<i>Amphicteis gunneri</i>.....	..	..	×	..	×	..
165	<i>A. sundevalli</i>.....	..	..	×	..	..	..
166	<i>Lysippe labiata</i>.....	×	..	..	..	×	..
167	<i>Samythella neglecta</i>.....	..	..	×	..	..	..
168	<i>Glyphanostomum palescens</i>.....	..	..	×	..	×	..
170	<i>Melinna cristata</i>.....	..	×	×	..	..	..
172	<i>Amphitrite cirrata</i>	×	×	×	..	×	..
173	<i>A. affinis</i>.....	..	..	×	..	×	..
174	<i>A. groenlandica</i>	×	..	×	..	×	×
175	<i>Nicolea venustula</i>.....	×	×	×	..	..	..
176	<i>Pista maculata</i>	×	×	×	×	×	..
177	<i>P. flexuosa</i>.....	×	..	..	..	..	..
178	<i>Leæna abranchiata</i>.....	×	..	..	..	..	..
180	<i>Thelepus cincinnatus</i>.....	×	×	×	×	..	..
181	<i>Polycirrus medusa</i>.....	..	..	×	×	..	..
182	<i>P. albicans</i>.....	..	..	×	..	..	..
183	<i>Trichobrancheus glacialis</i>.....	..	..	×	..	..	..
185	<i>Terebellides strømi</i>.....	×	..	×	×	..	..
188	<i>Potamilla neglecta</i>.....	..	..	×	..	..	..
190	<i>Sabellastarte arctica</i>.....	×	..	..	..	..	..
191	<i>Dasychone infareta</i>.....	×	×	..	..	..	..
193	<i>Chone infundibuliformis</i>.....	..	..	..	..	..	..
194	<i>Euchone analis</i>.....	..	..	×	..	..	..
195	<i>E. papillosa</i>.....	..	..	×	×	..	×
199	<i>Hydroides norvegica</i>.....	..	..	×	..	..	..
205	<i>Protula arctica</i>.....	..	×	×	..	..	..
208	<i>Spirorbis spirillum</i>	×	..	×	..	×	..
211	<i>S. spirorbis</i>.....	×	..	×	..	..	..
213	<i>S. granulatus</i>.....	×	..	..	..	..	..

Table IV

	Species	Number of specimens	Nordre Strømfjord					Kvanefjord				
			< 35 m	35—200 m	> 200 m	Number of stations	Number of specimens	< 35 m	35—200 m	> 200 m	Number of stations	Number of specimens
126	<i>Ophelia limacina</i>	1	..	..	..	..	..	..	..	..	..	..
127	<i>Ammotrypane aulogaster</i>	5	×	..	×	2	3	..	..	..	..	..
131	<i>Notomastus latericeus</i>	14	..	..	..	..	..	..	..	..	..	..
132	<i>Capitella capitata</i>	3	..	..	..	..	..	×	..	..	1	1
141	<i>Nicomache lumbricalis</i>	9	..	..	..	..	..	×	..	..	1	3
147	<i>Praxillella gracilis</i>	9	..	×	..	1	2	..	..	×	1	1
149	<i>Axiothella catenata</i>	3	..	..	..	..	..	..	..	..	..	..
151	<i>Maldane sarsi</i>	12	..	..	×	1	2	..	..	..	..	..
152	<i>M. glebifex</i>	2	..	..	..	..	..	..	..	..	..	..
153	<i>Asychis biceps</i>	3	..	..	..	..	..	..	..	..	..	..
154	<i>Owenia fusiformis</i>	8	×	×	..	2	12	..	×	..	1	1
155	<i>Myriochele heeri</i>	8	×	×	..	7	8	..	×	×	2	8
159	<i>Cistenides hyperborea</i>	8	×	×	×	29	8	..	..	×	2	3
160	<i>Ampharete acutifrons</i>	6	..	×	×	2	5	..	..	..	..	..
161	<i>A. finmarchica</i>	24	×	×	×	5	12	..	..	×	1	1
163	<i>Sabellides borealis</i>	3	..	..	..	..	..	..	..	..	..	..
164	<i>Amphiteis gunneri</i>	8	..	..	..	..	..	..	..	..	..	..
165	<i>A. sundevalli</i>	1	..	..	..	..	..	..	..	..	..	..
166	<i>Lysippe labiata</i>	12	×	×	×	5	9	..	..	..	..	..
167	<i>Samythella neglecta</i>	7	..	..	..	..	..	..	..	..	..	..
168	<i>Glyphanostomun palescens</i>	3	..	..	..	..	..	..	..	..	..	..
170	<i>Melinna cristata</i>	8	..	..	..	..	..	..	×	..	1	10
172	<i>Amphitrite cirrata</i>	22	×	×	×	3	4	..	..	×	1	1
173	<i>A. affinis</i>	2	..	..	..	..	..	..	..	..	..	..
174	<i>A. groenlandica</i>	9	×	×	×	3	3	..	..	..	..	..
175	<i>Nicolea venustula</i>	4	×	×	..	2	2	1	..	..	1	1
176	<i>Pista maculata</i>	8	..	×	×	3	5	..	×	..	1	1
177	<i>P. flexuosa</i>	8	×	..	×	2	8	..	..	..	..	..
178	<i>Leæna abranchiata</i>	1	..	..	×	1	1	..	..	..	..	..
180	<i>Thelepus cincinnatus</i>	13	×	×	..	2	2	×	..	..	1	3
181	<i>Polycirrus medusa</i>	2	..	..	..	..	..	..	..	..	..	..
182	<i>P. albicans</i>	1	..	..	..	..	..	..	..	..	..	..
183	<i>Trichobranchus glacialis</i>	1	..	..	..	..	..	..	..	..	..	..
185	<i>Terebellides strømi</i>	24	×	×	..	5	8	..	..	..	..	..
188	<i>Potamilla neglecta</i>	14	..	..	..	..	..	..	..	..	..	..
190	<i>Sabellastarte arctica</i>	10	..	..	×	1	10	..	..	..	..	..
191	<i>Dasychone infarcta</i>	2	..	..	×	1	1	..	×	..	1	1
193	<i>Chone infundibuliformis</i>	1	..	..	..	..	..	..	..	..	..	..
194	<i>Euchone analis</i>	1	..	..	..	..	..	..	..	..	..	..
195	<i>E. papillosa</i>	41	..	..	..	..	..	..	..	..	..	..
199	<i>Hydroides norvegica</i>.....	..	..	..	..	..	..	..	..	..	..	..
205	<i>Protula arctica</i>	4	×	..	1	..
208	<i>Spirorbis spirillum</i>	×	×	×	3
211	<i>S. spirorbis</i>	×	×	..	2
213	<i>S. granulatus</i>	×	..	×	2

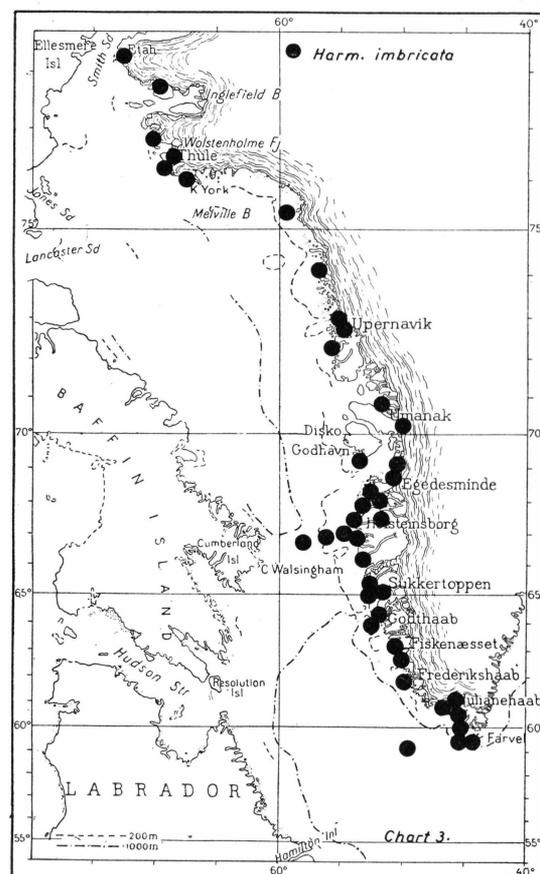
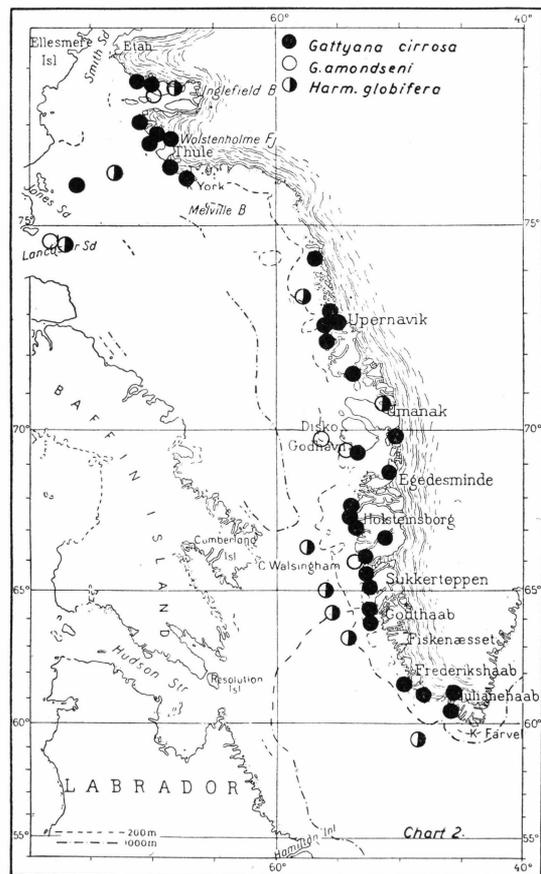
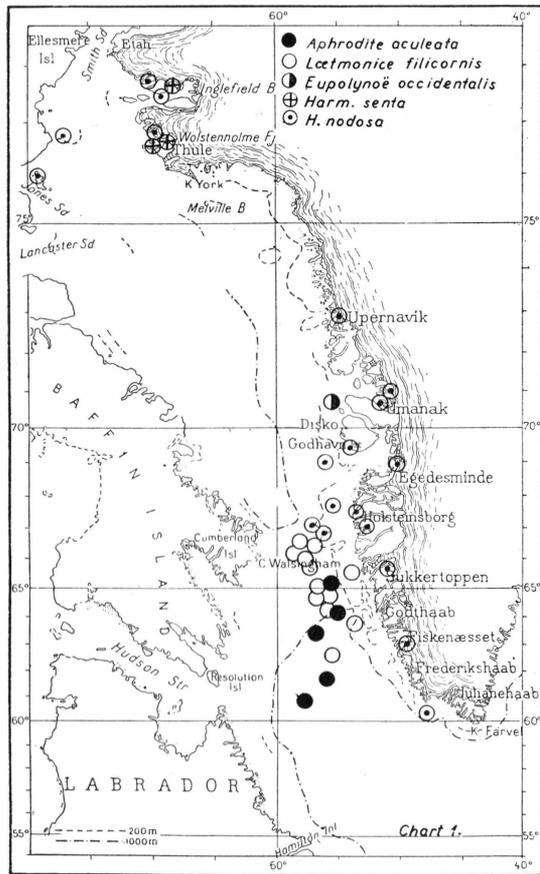
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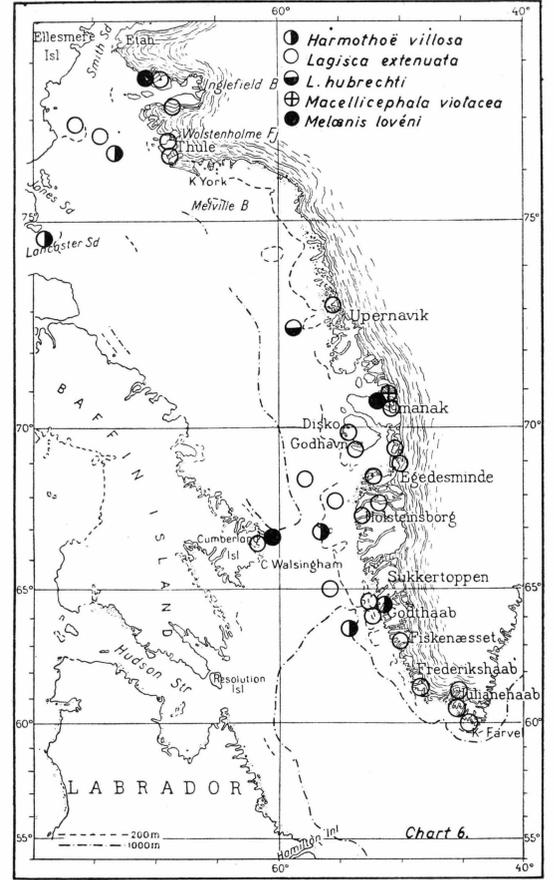
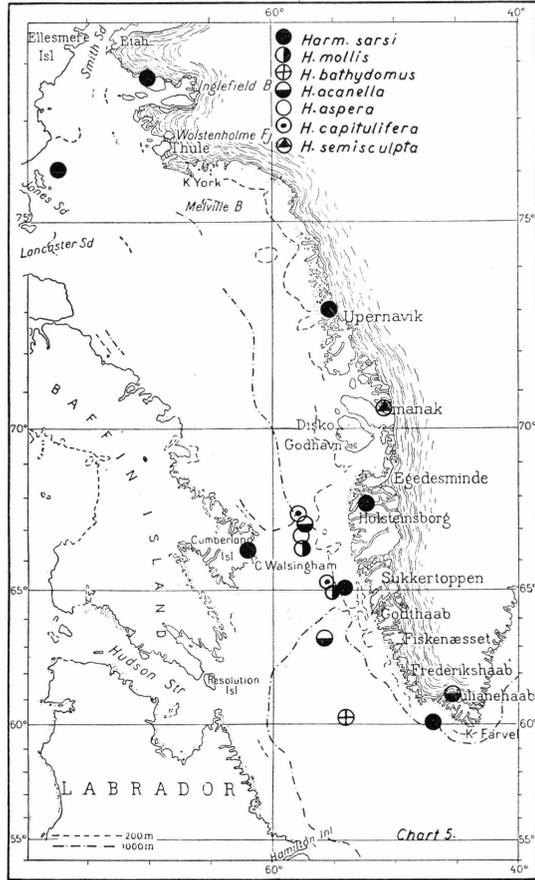
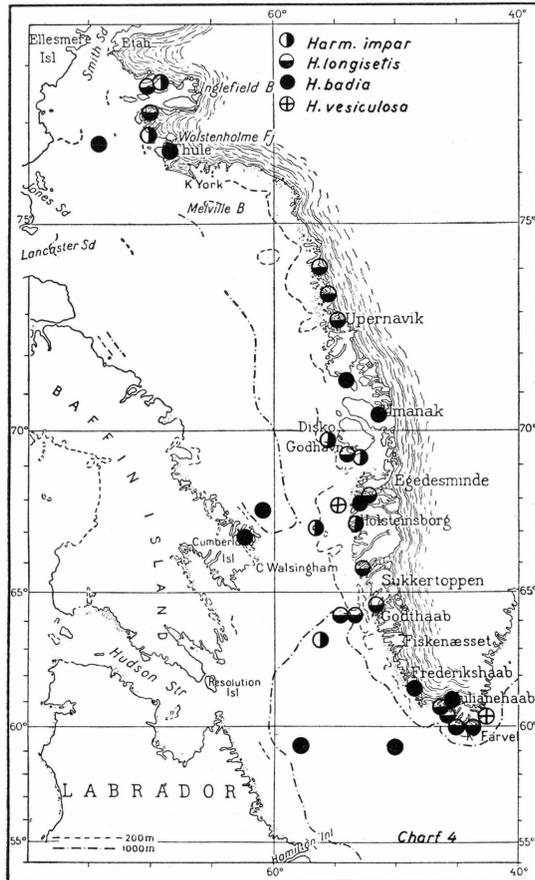
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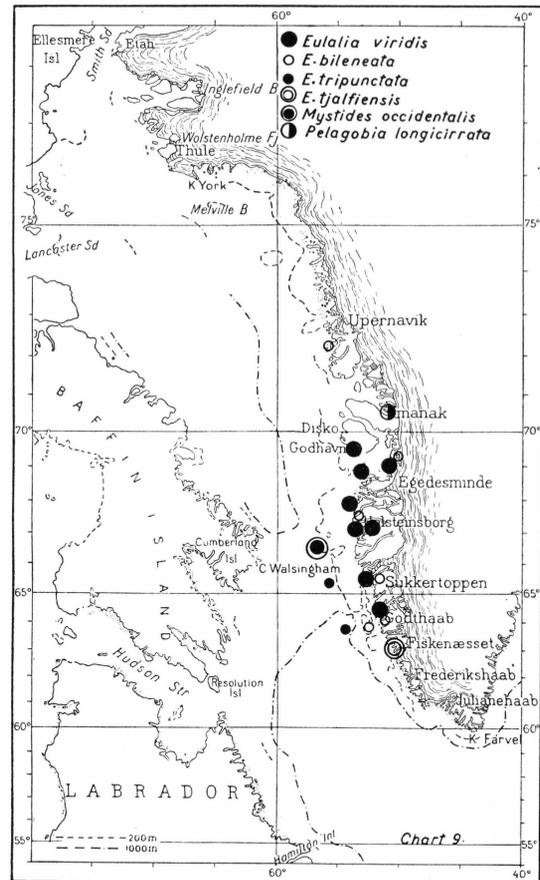
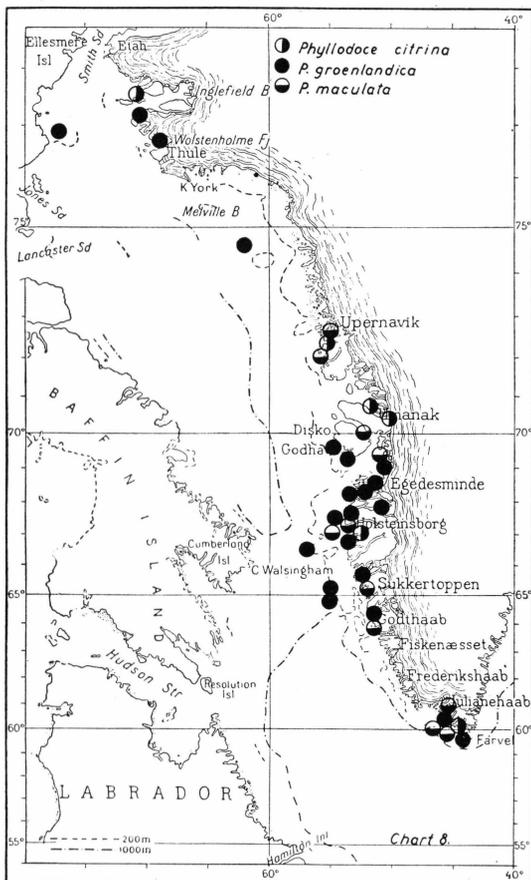
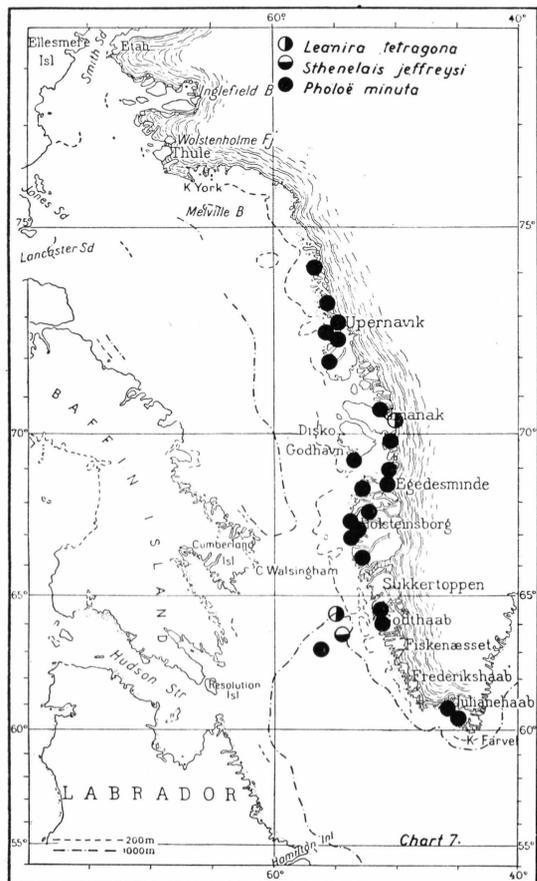
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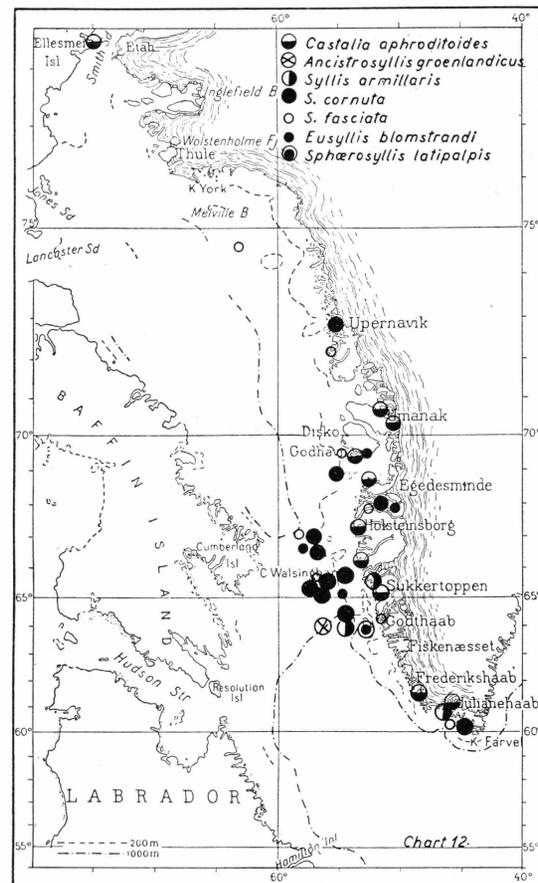
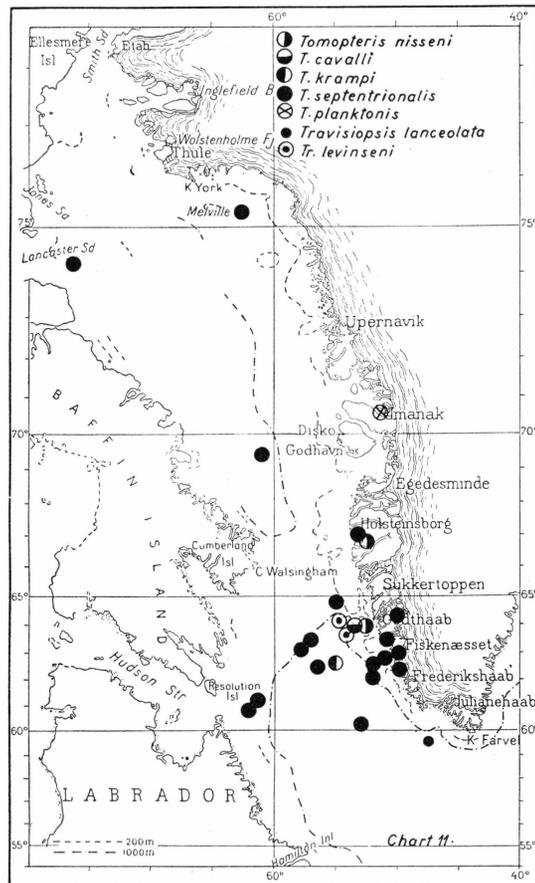
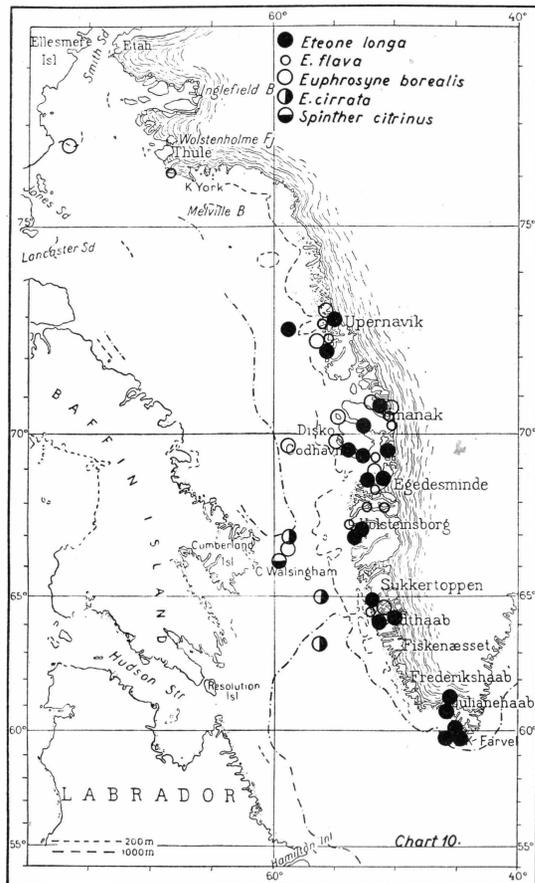
DISTRIBUTION OF
POLYCHÆTES IN WEST-GREENLAND WATERS

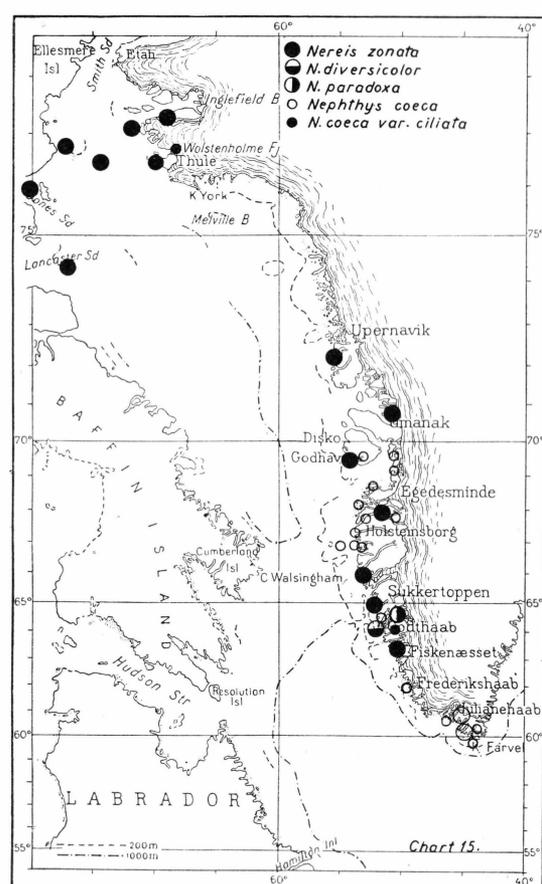
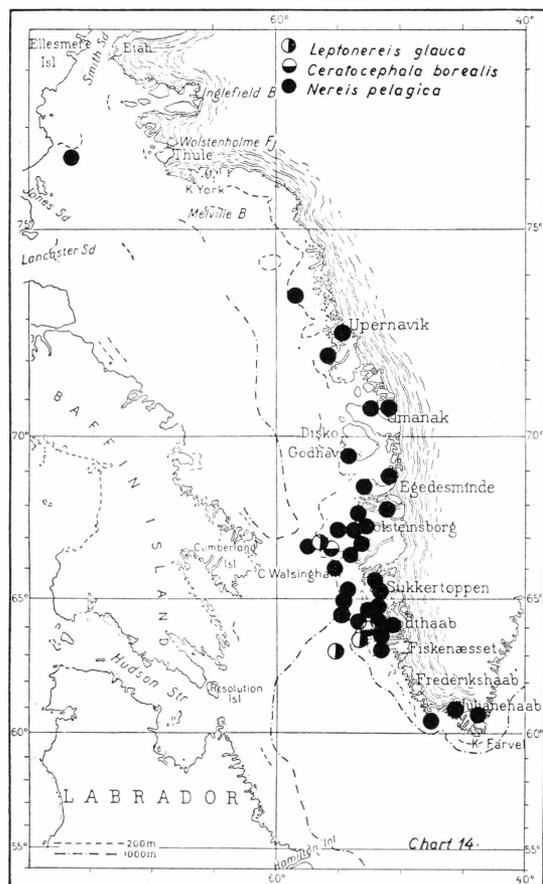
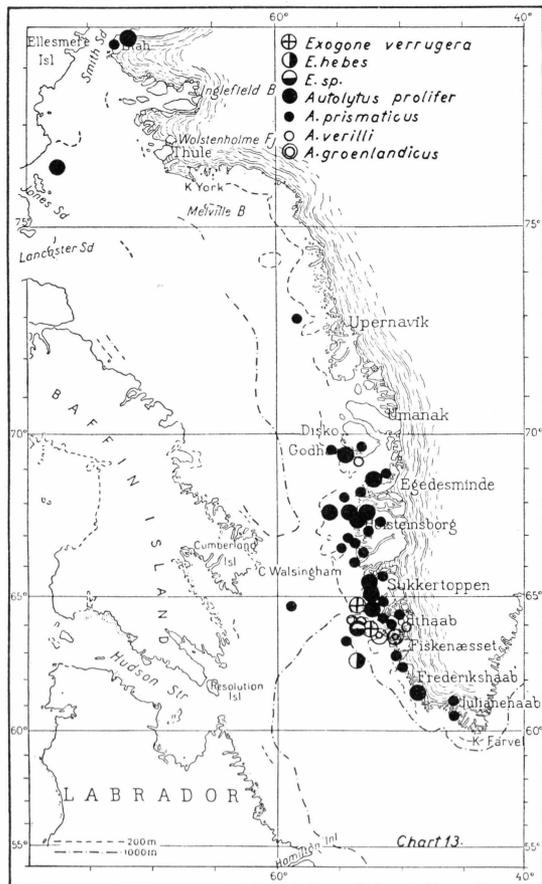
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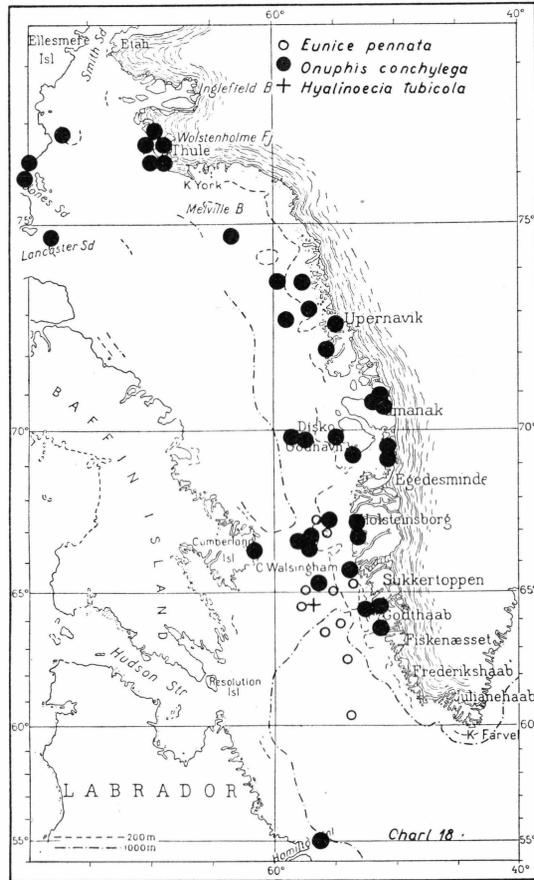
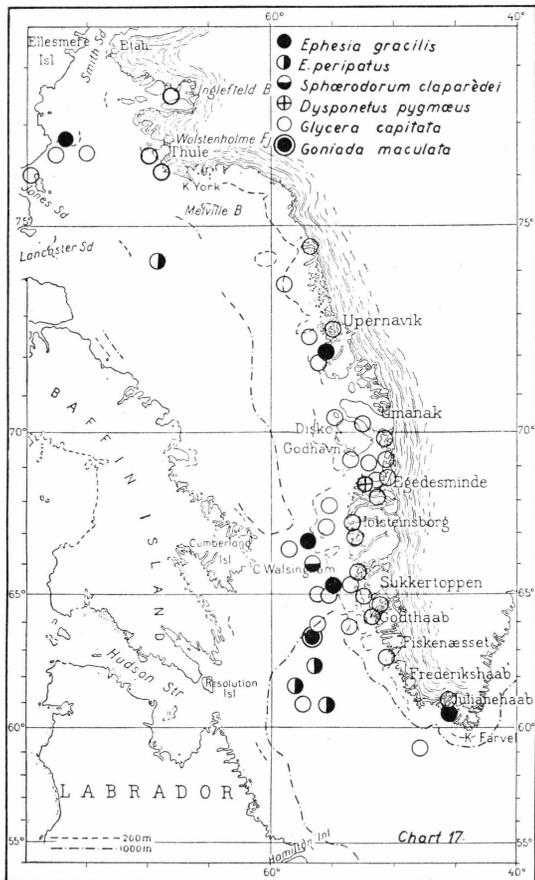
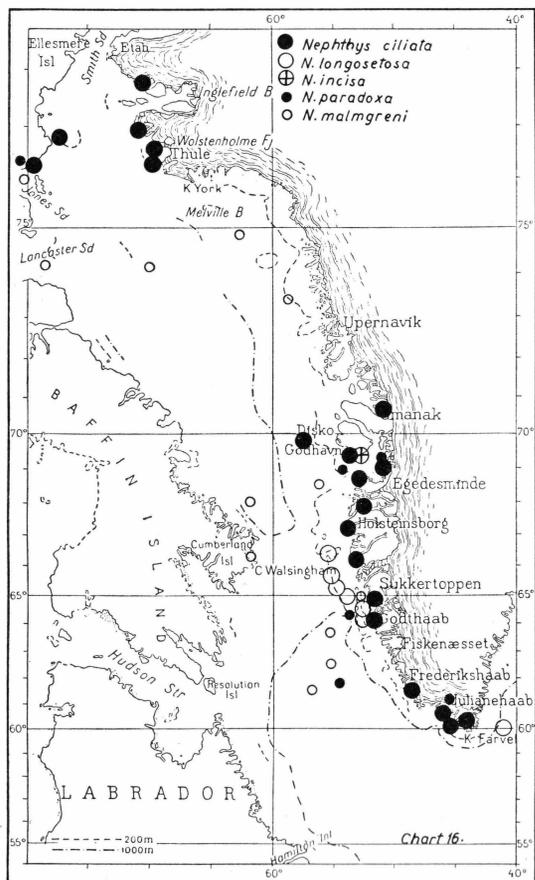


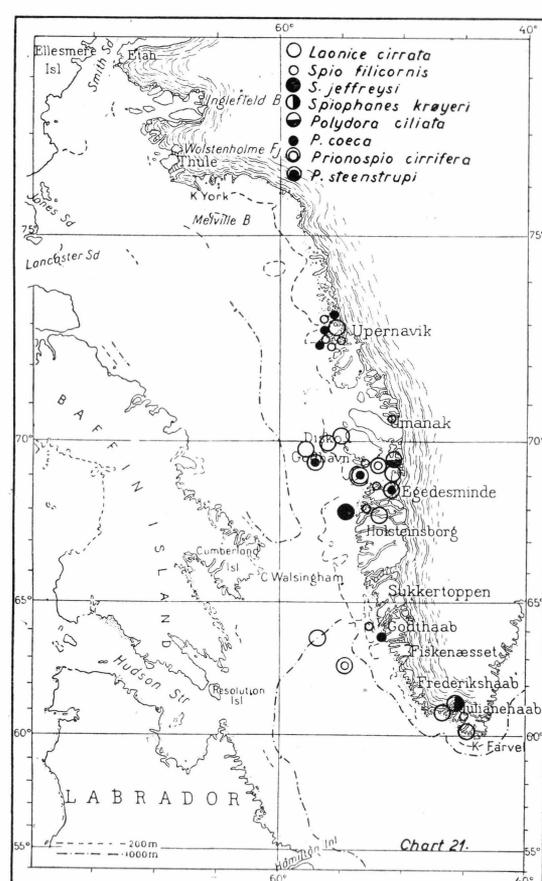
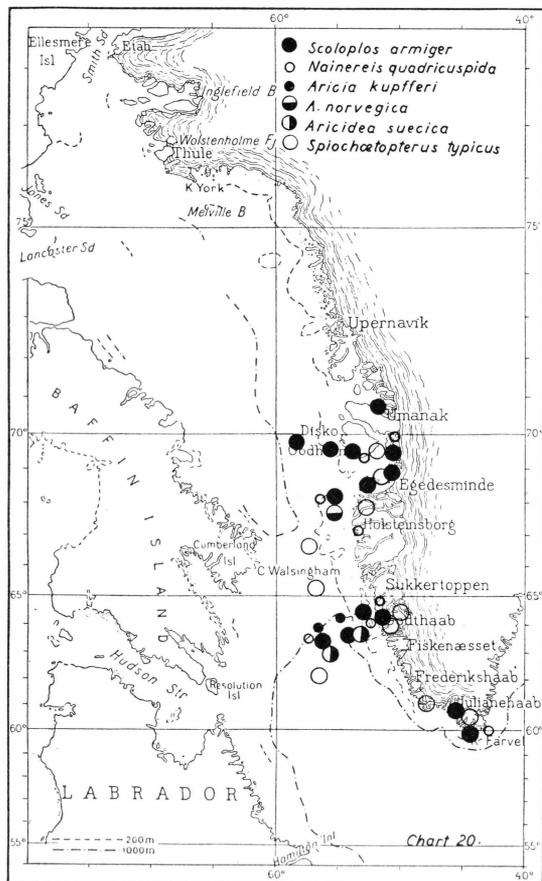
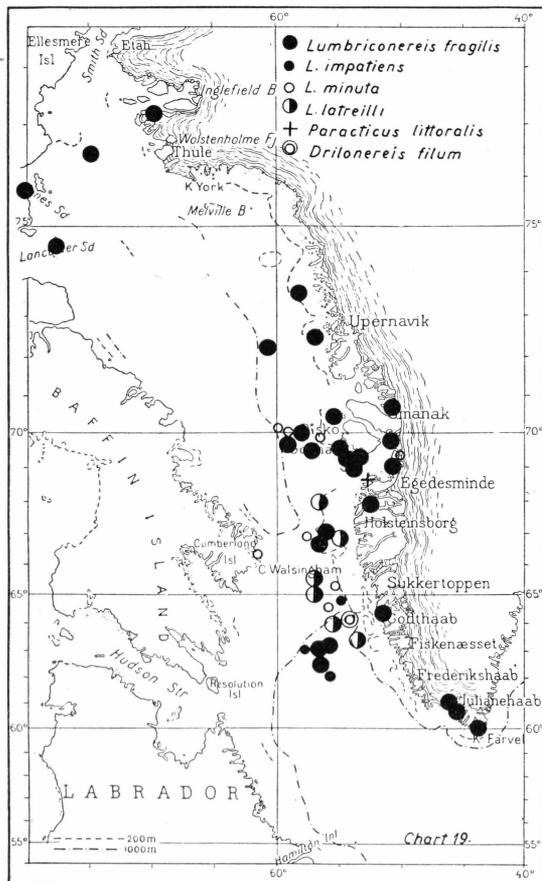


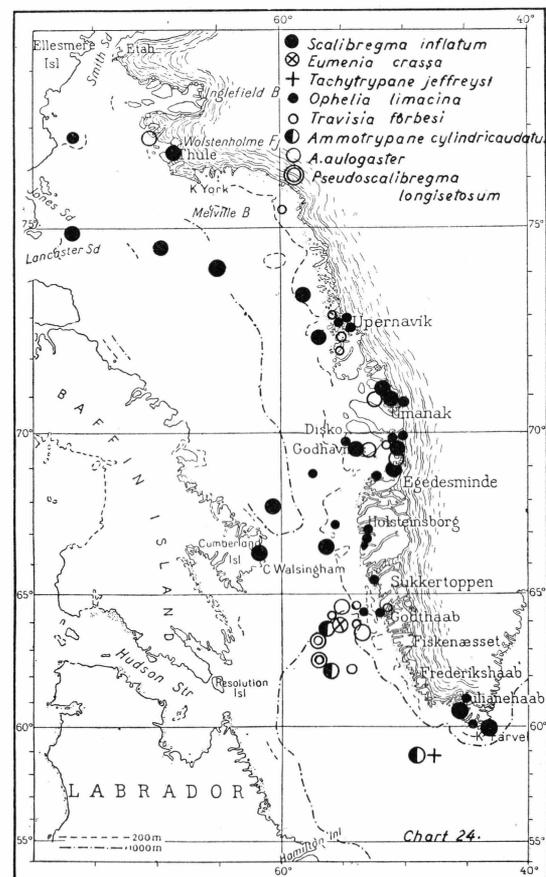
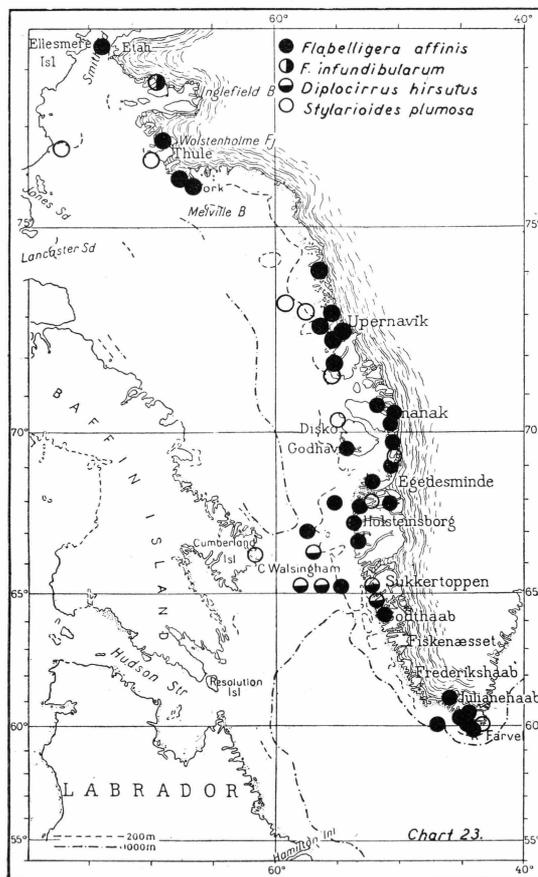
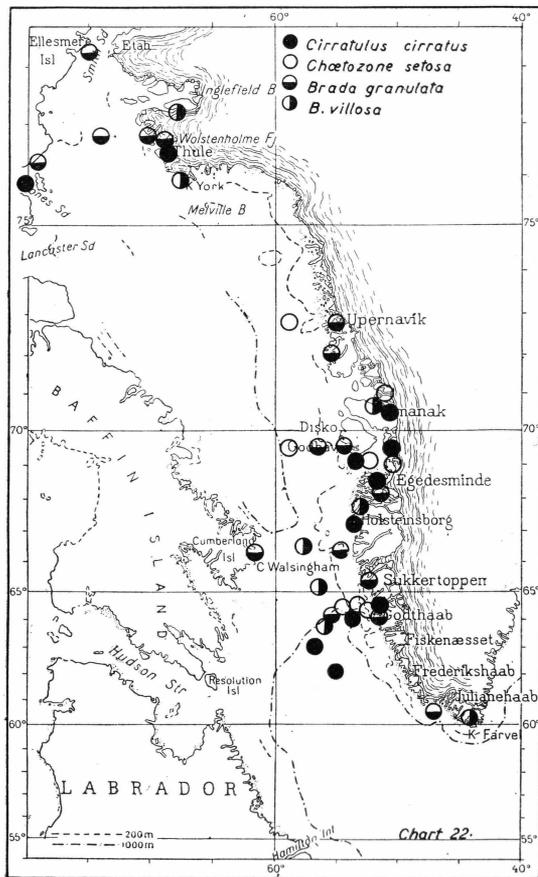


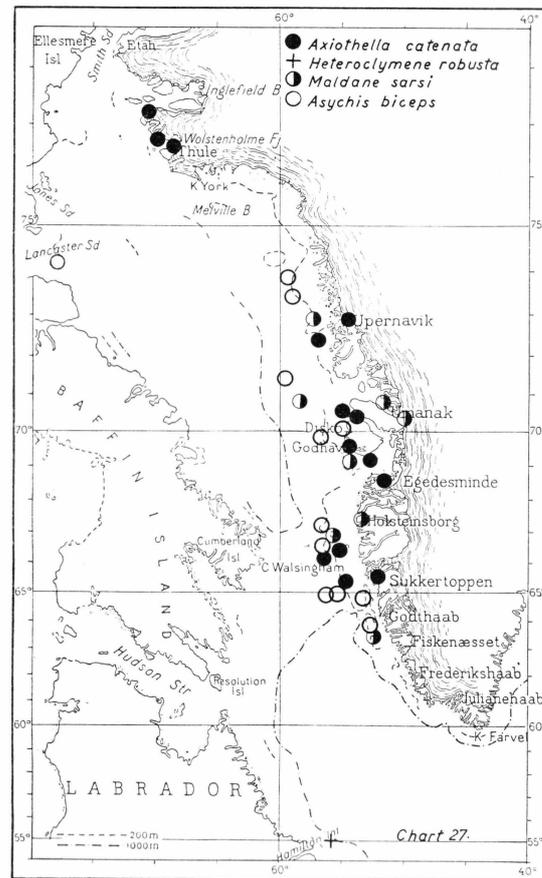
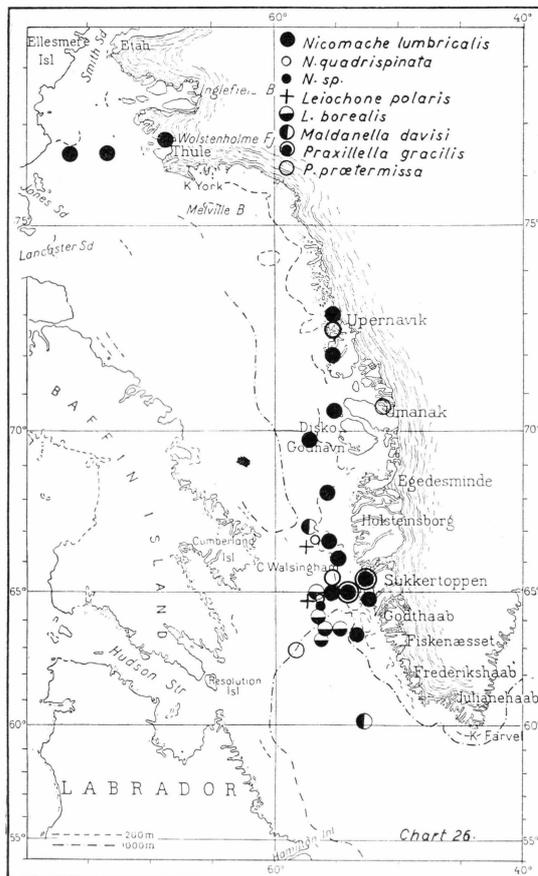
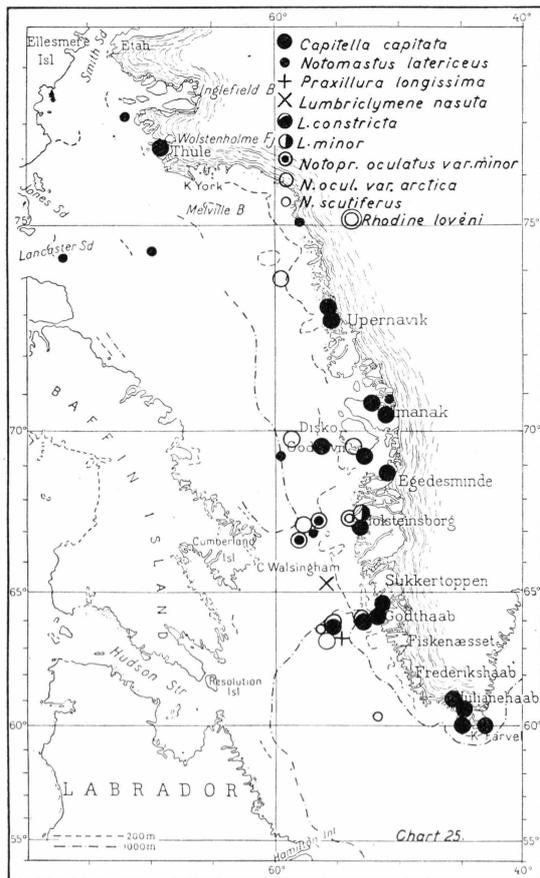


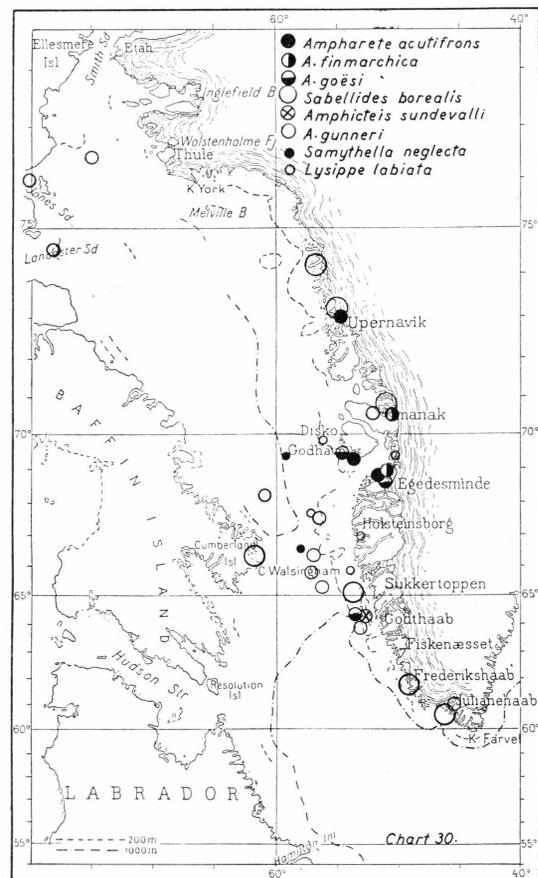
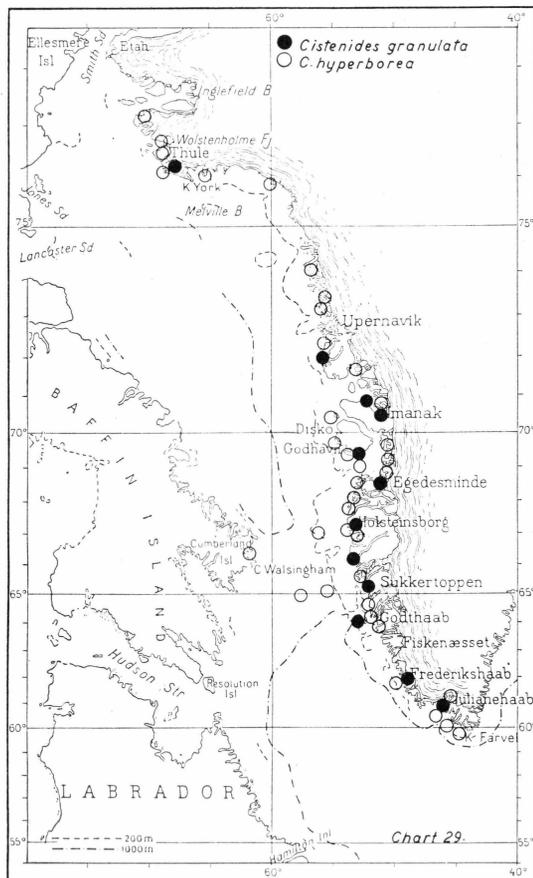
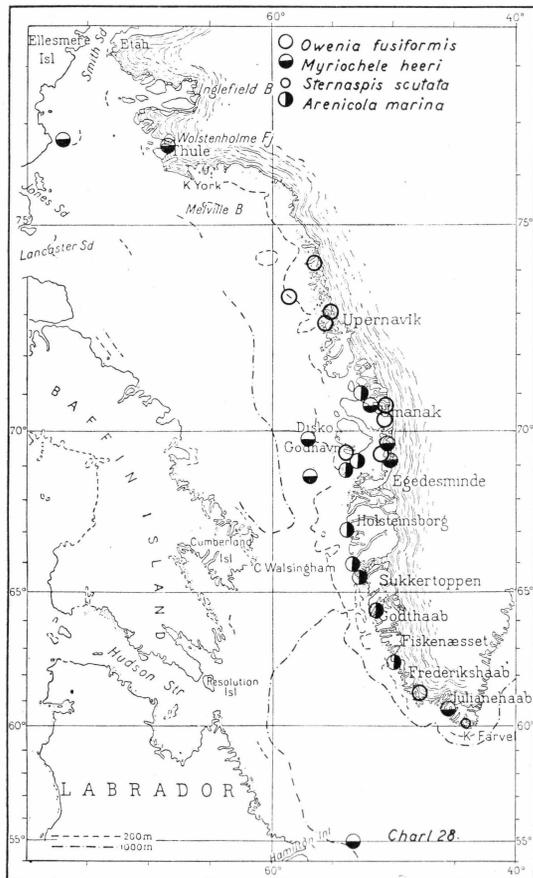


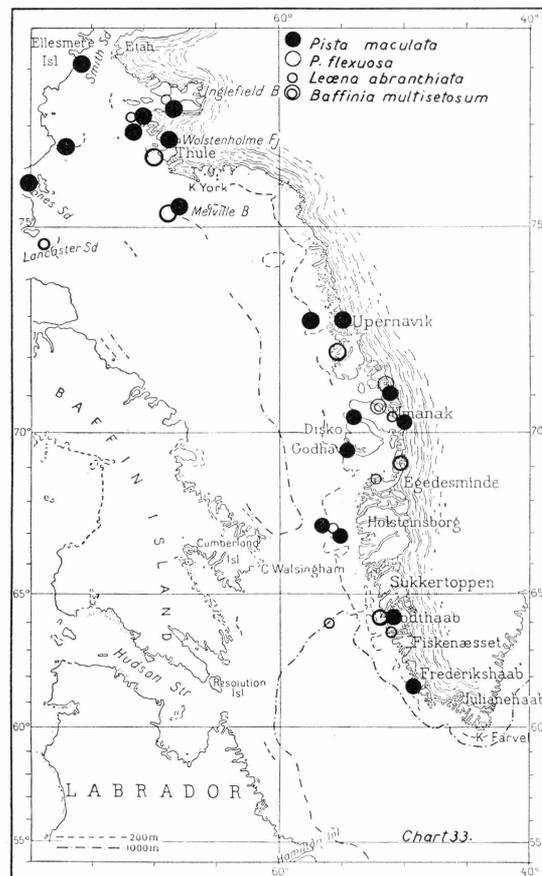
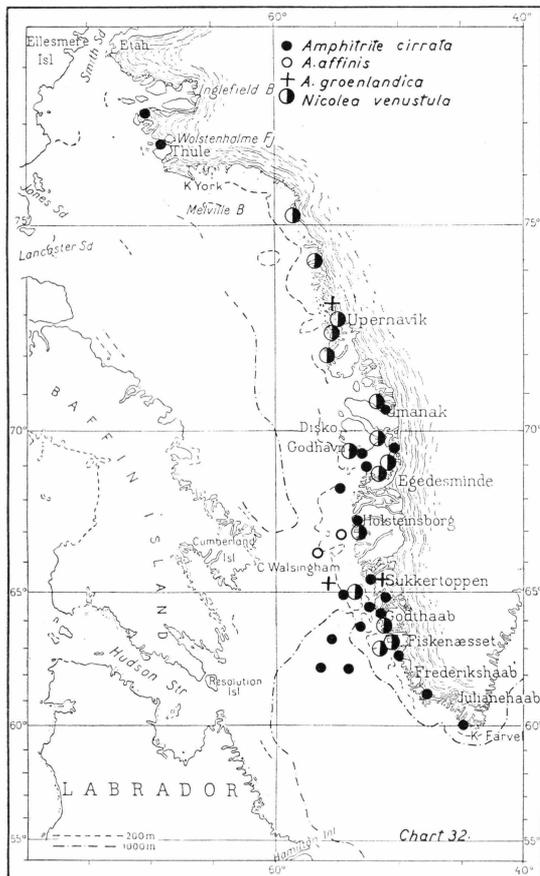
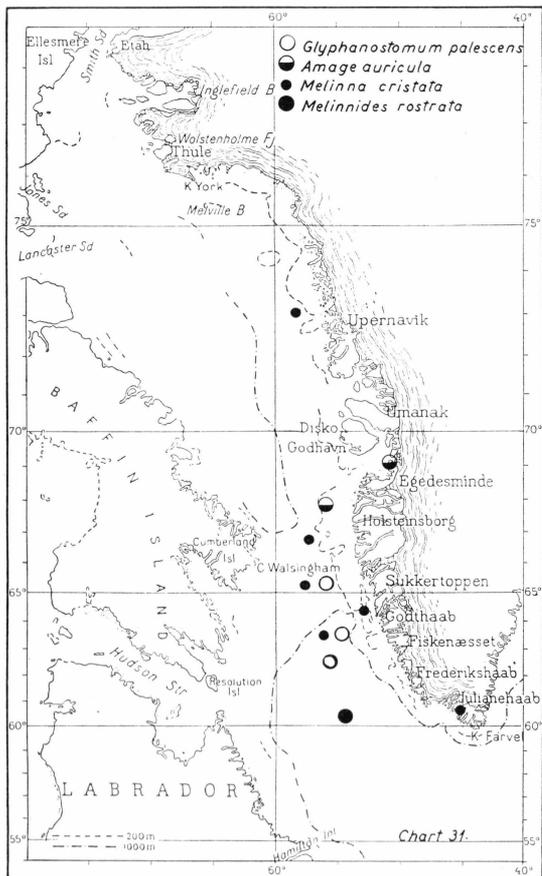


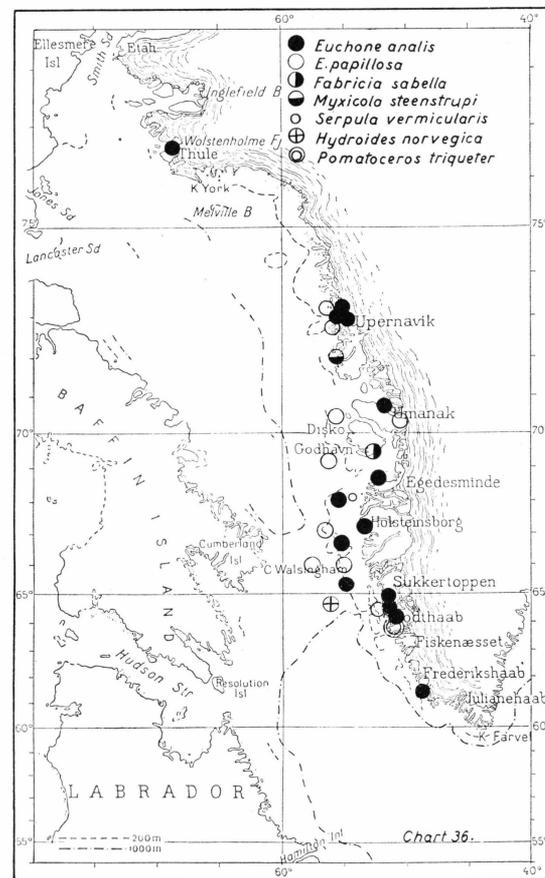
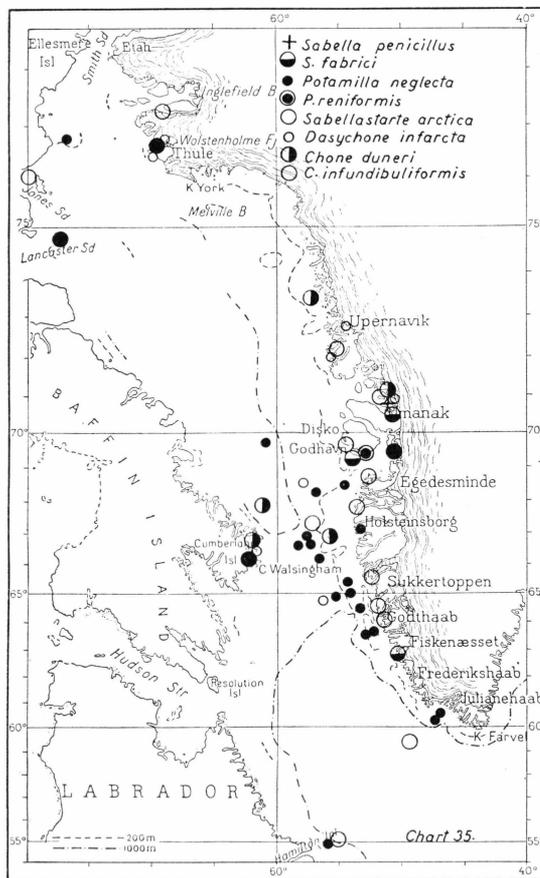
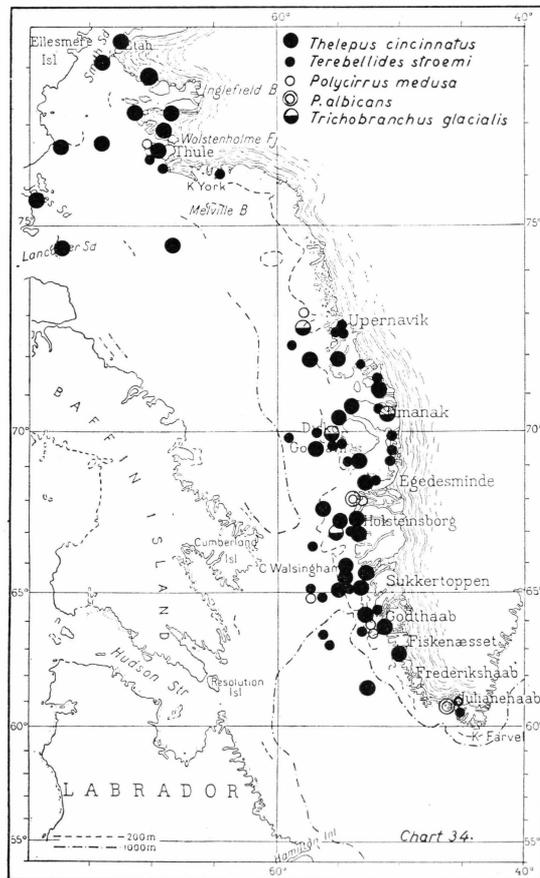


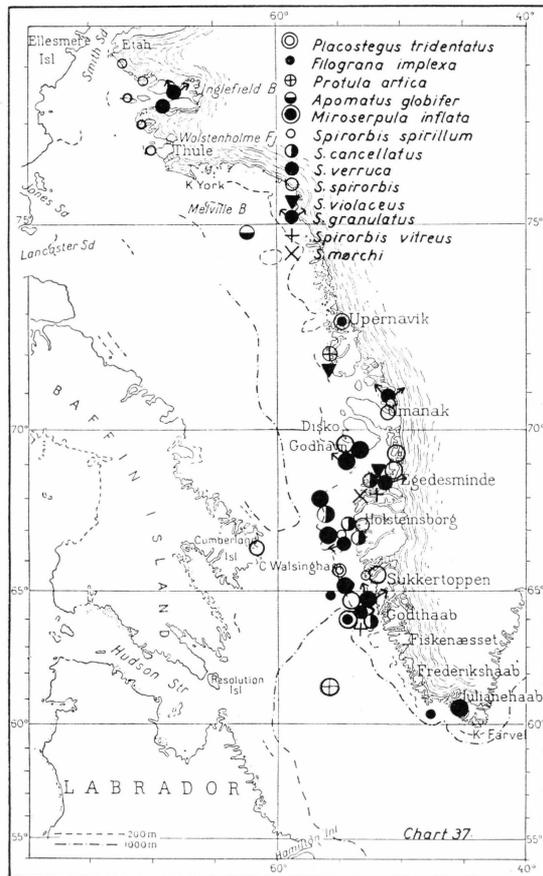






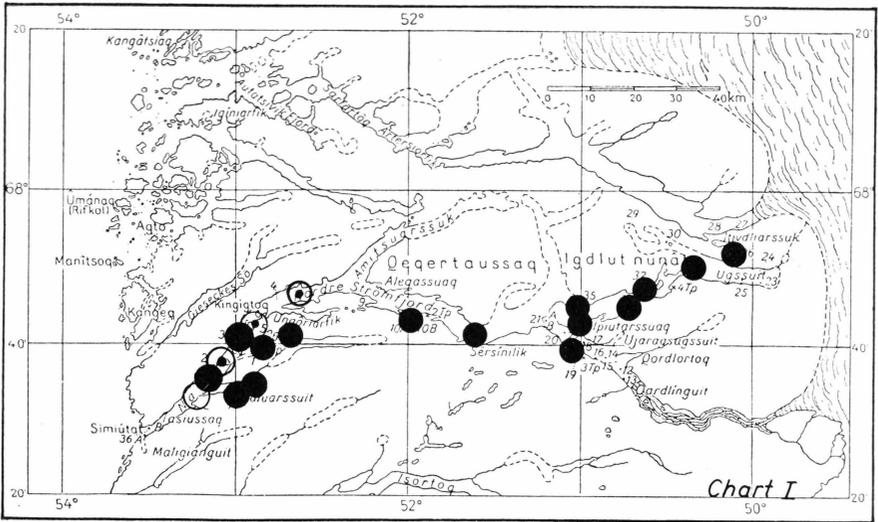




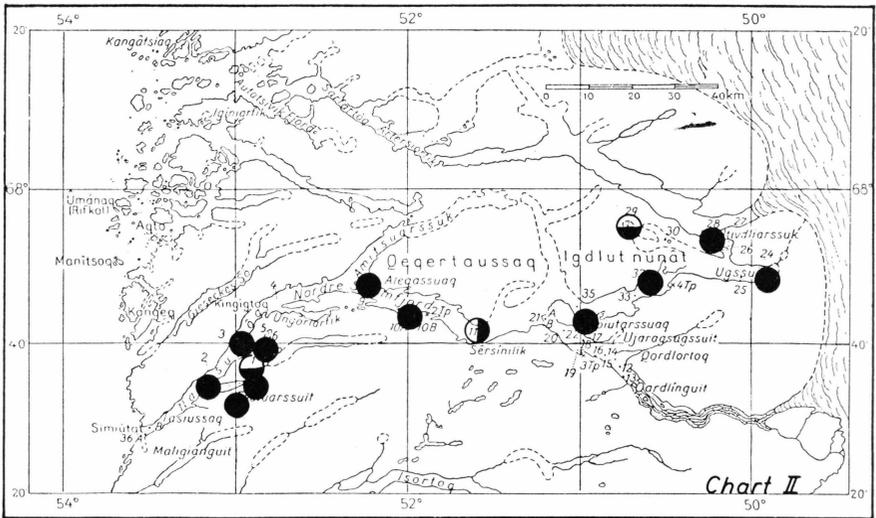


DISTRIBUTION OF
POLYCHÆTES IN THE NORDRE STRØMFJORD

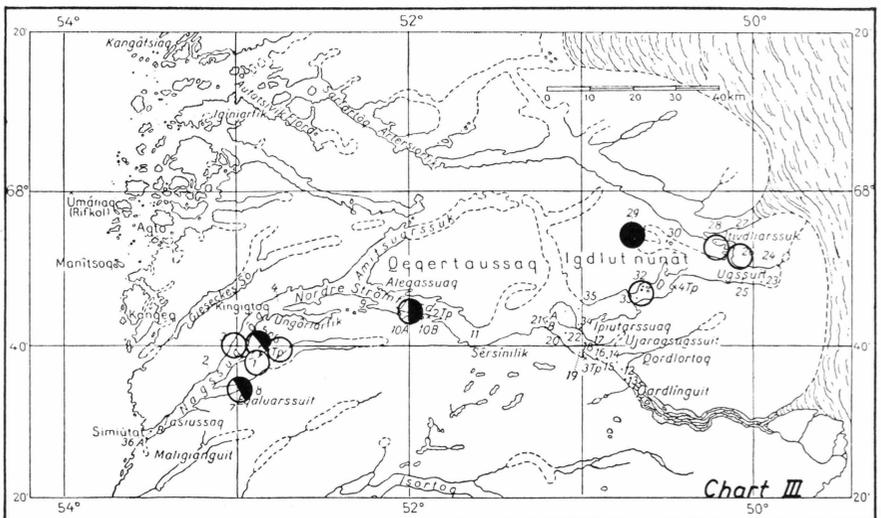
Chart I—XV.



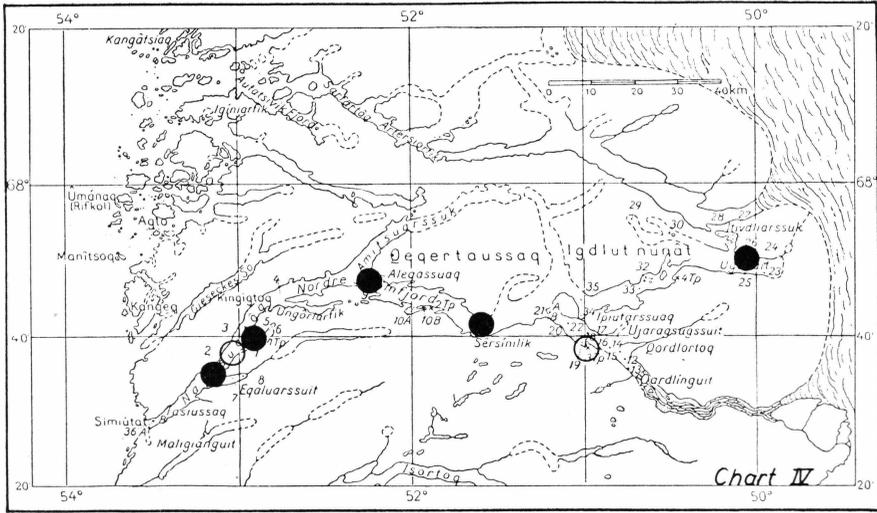
● *Gatt. cirrosa* ○ *G. amondseni* ⊙ *Harm. nodosa*



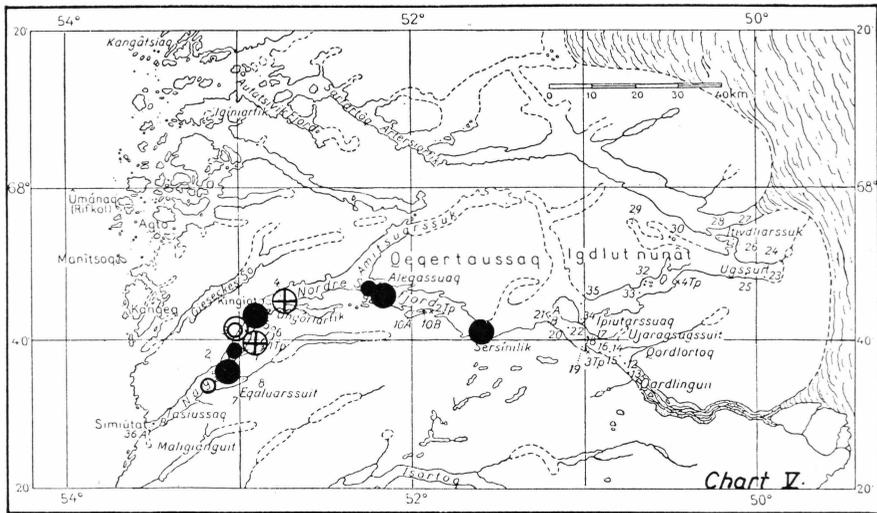
● *Harm. imbricata* ◐ *H. longisetis* ◑ *H. badia*



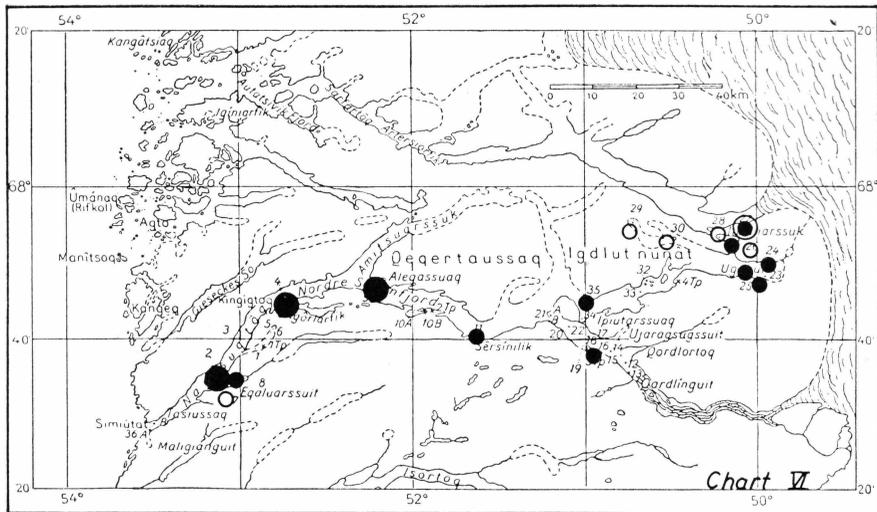
⊙ *Harmothoë sarsi* ● *H. villosa* ○ *Lagisca extenuta* ◐ *Pholoë minuta*



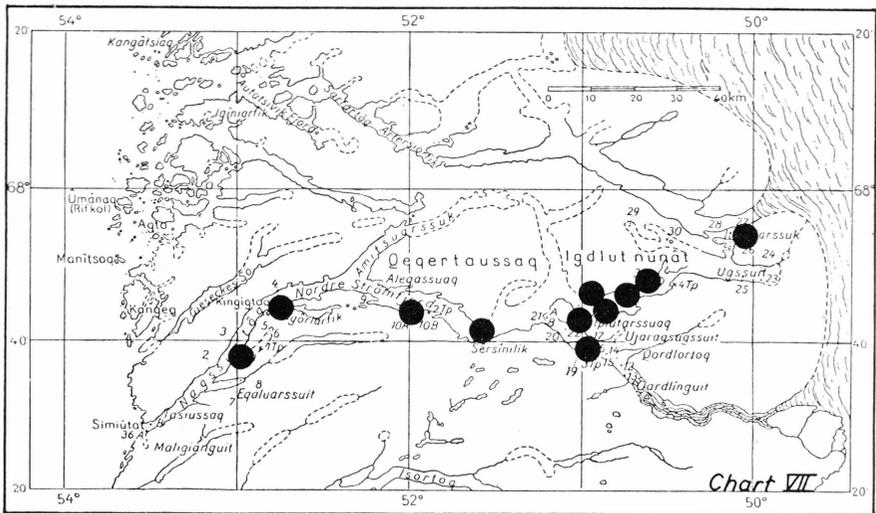
● *Phyllodoce groenlandica* ○ *Eteone flava*



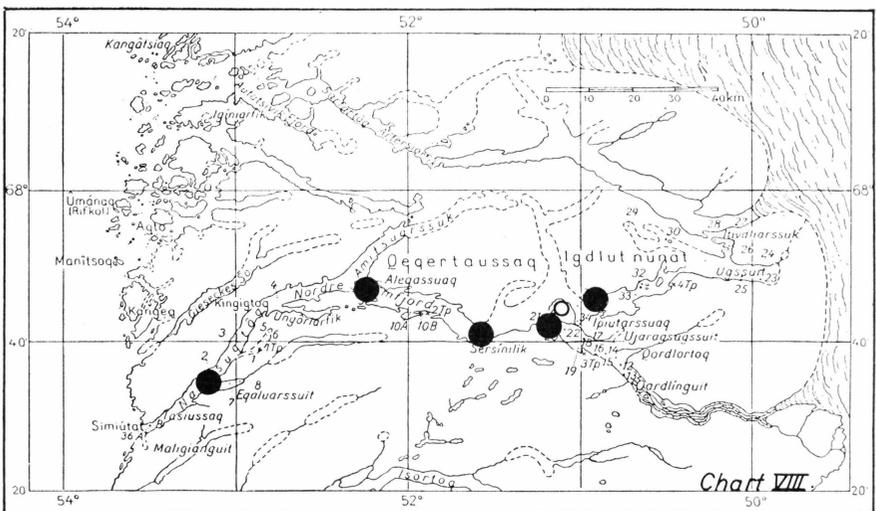
○ *Syllis cornuta* ● *S. fasciata* ◎ *Eusyllis blomstrandii* ⊕ *Nereis pelagica*
● *N. zonata*



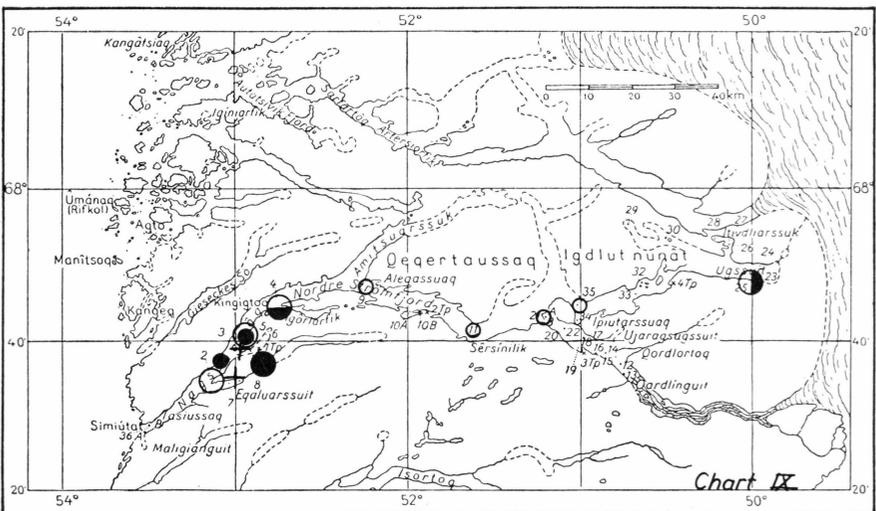
● *Nephthys coeca* ● *N. ciliata* ◎ *N. paradoxa* ○ *N. coeca* var. *ciliata*



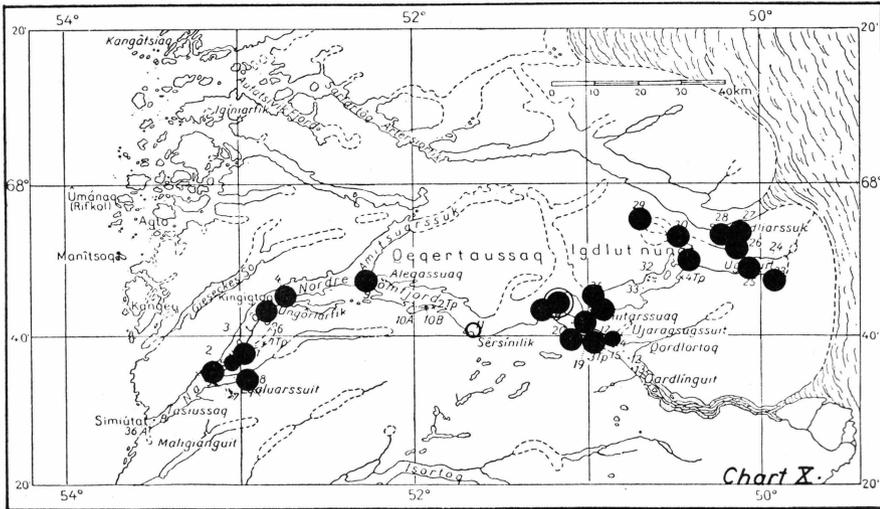
● *Onuphis conchylega*



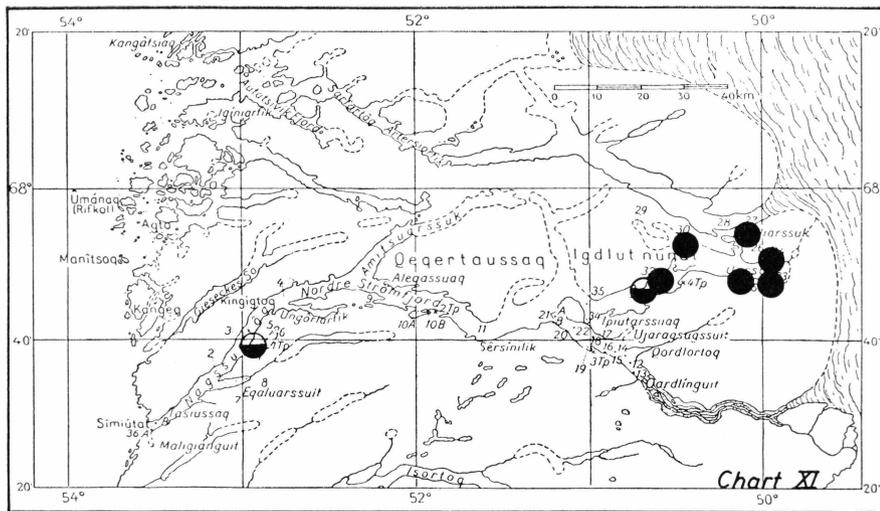
● *Lumbriconereis fragilis* ○ *L. latreilli*



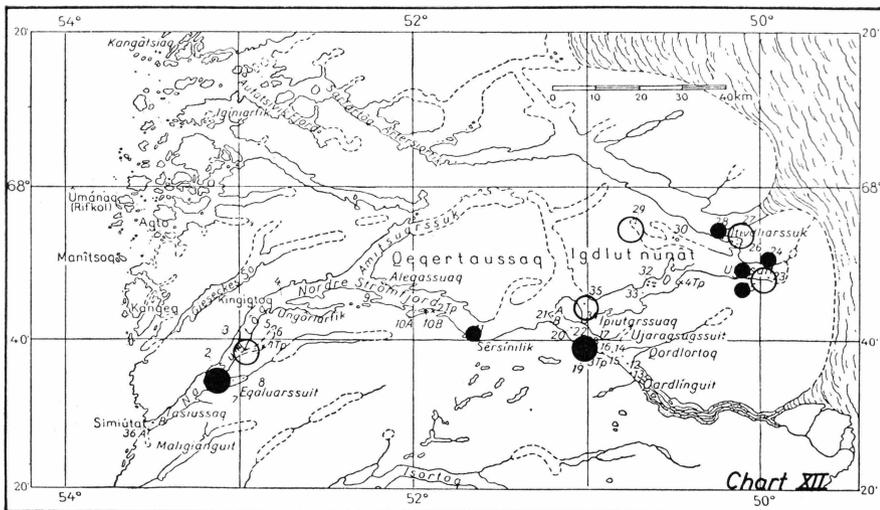
● *Flabelligera affinis* ◐ *Brada granulata*
 ○ *Scoloplos armiger* ○ *Laonice cirrata* ● *Spio filicornis*
 ● *Brada villosa* ◐ *Spiochaetopterus typicus* + *Stylarioides plumosa*



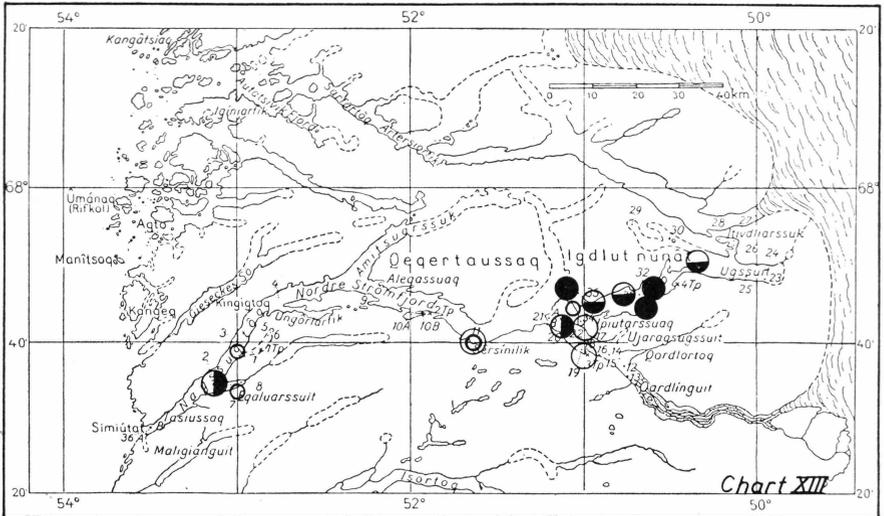
- *Ammotrypane aulogaster*
- *Praxillella gracilis*
- *Maldane sarsi*
- *Cistenides hyperborea*



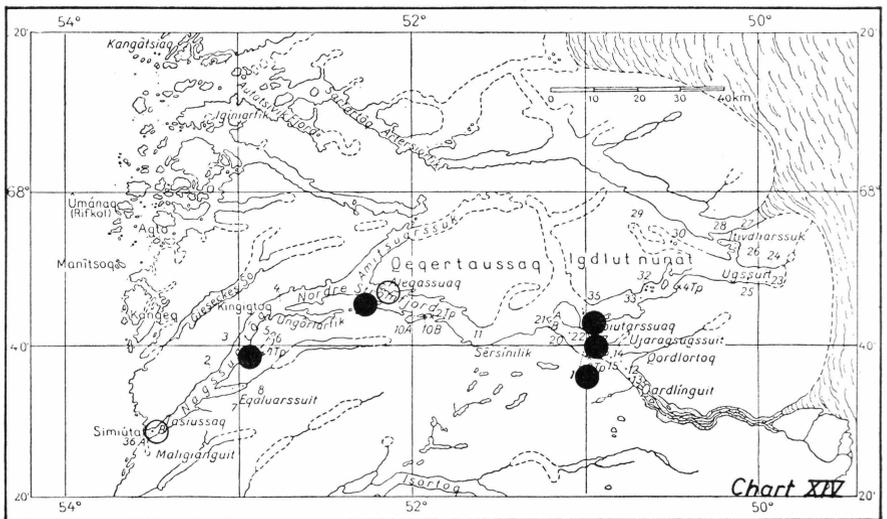
- *Owenia fusiformis*
- *Myriochele heeri*



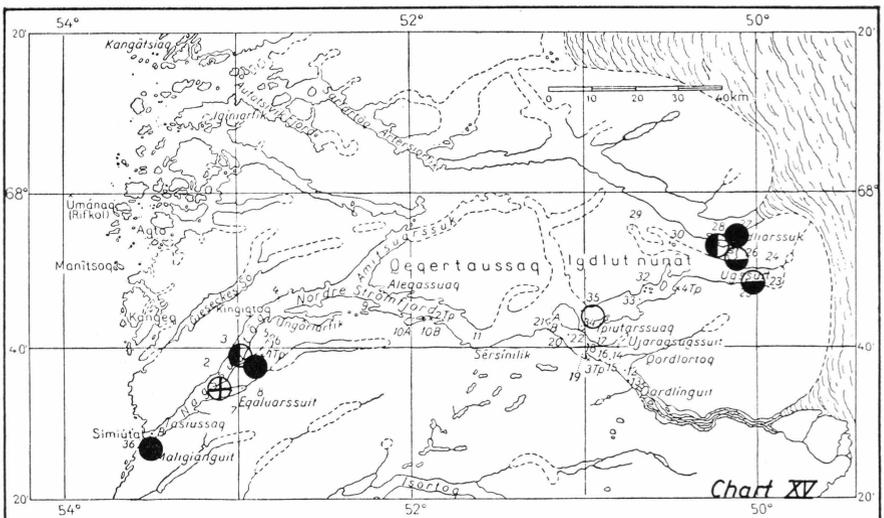
- *Ampharete acutifrons*
- *A. finmarchica*
- *Lysippe labiata*



- *Amphitrite cirrata* ● *A. groenlandica* ○ *Nicolea venustula*
 ◐ *Pista maculata* ◑ *Pista flexuosa* ⊖ *Leæna abranchiata*



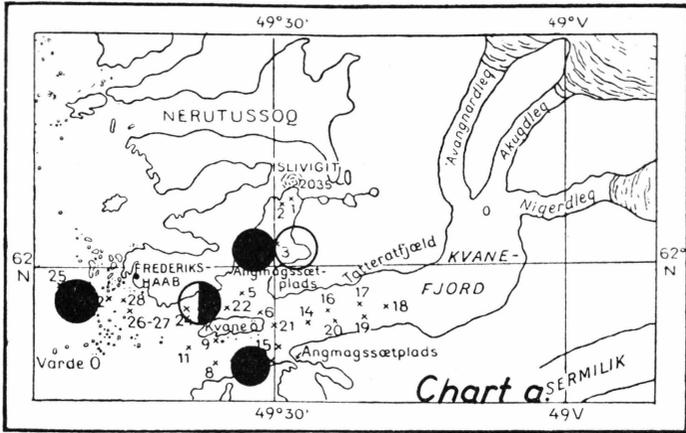
- *Thelepus cincinnatus* ● *Terebellides strømi*



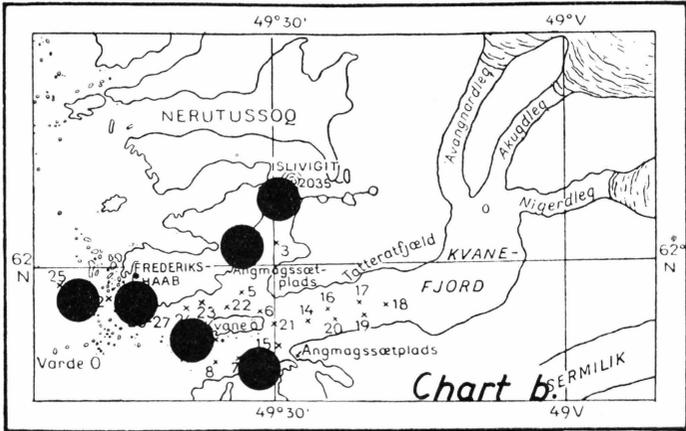
- ⊕ *Sabellastarte arctica* ○ *Dasychone infarcta* ● *Spirorbis spirillum*
 ◐ *Spirorbis spirorbis* ◑ *S. granulatus*

DISTRIBUTION OF
POLYCHÆTES IN KVANEFJORD

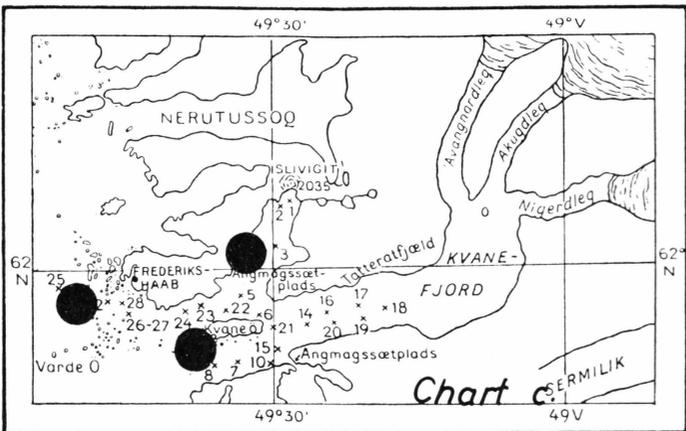
Chart a-i.



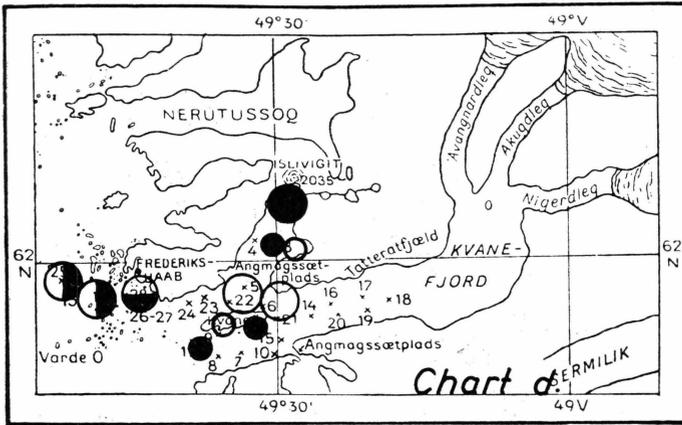
● *Gatt. cirrosa* ◐ *H. badia*
 ○ *Harm. acanella*



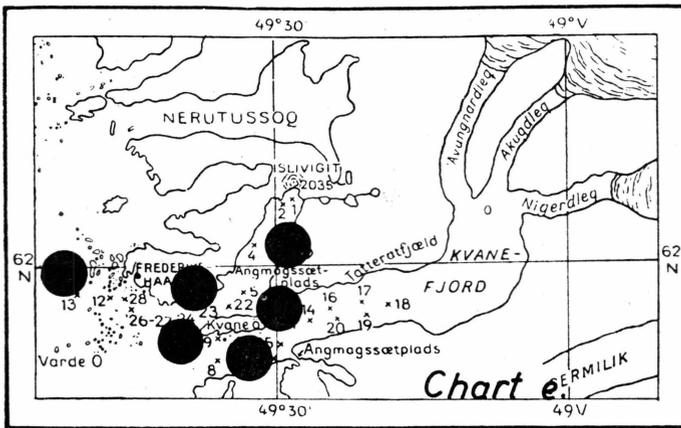
● *Harm. imbricata*



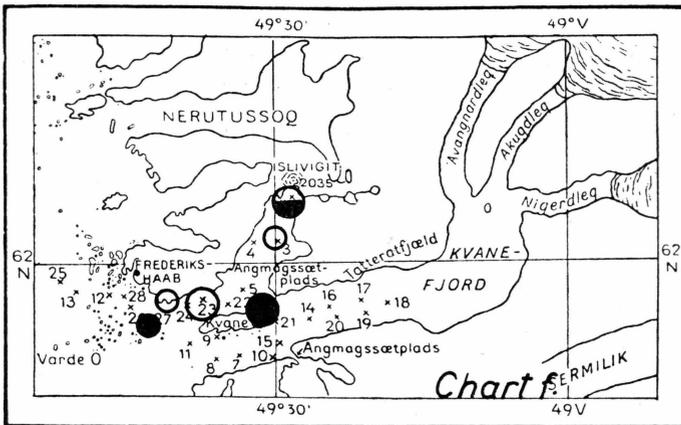
● *Logisca extenuata*



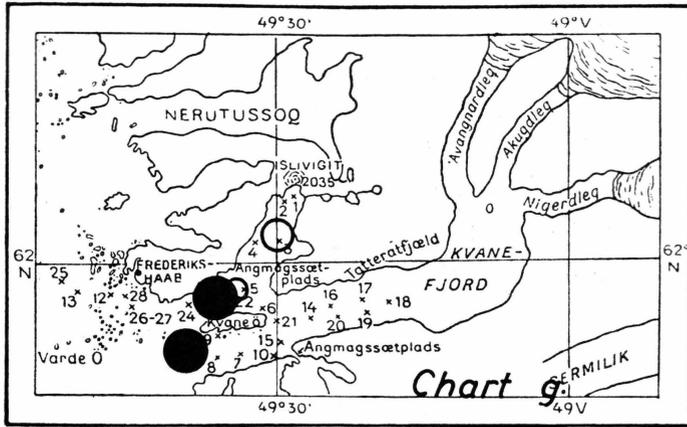
- *Syllis cornuta*
- ◐ *Autolytus prismaticus*
- ◑ *Nereis zonata*
- ◒ *Lumbriconereis fragilis*
- *Nephthys ciliata*
- *N. paradoxa*



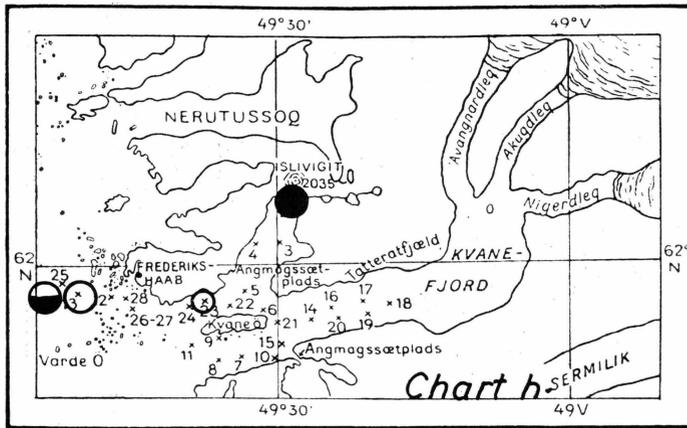
- *Spirochætopterus typicus*



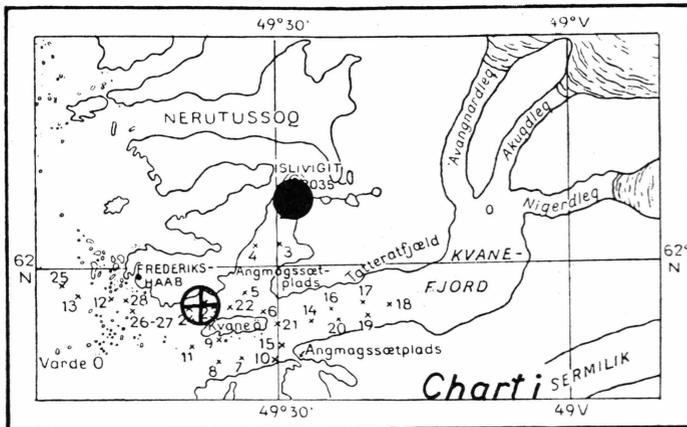
- *Capitella capitata*
- ◐ *Nicomache lumbricalis*
- ◑ *Praxillella gracilis*
- *Owenia fusiformis*
- *Myriochele heeri*



● *Cistenides hyperborea* ○ *Ampharete finmarchica*
○ *Melinna rostrata*



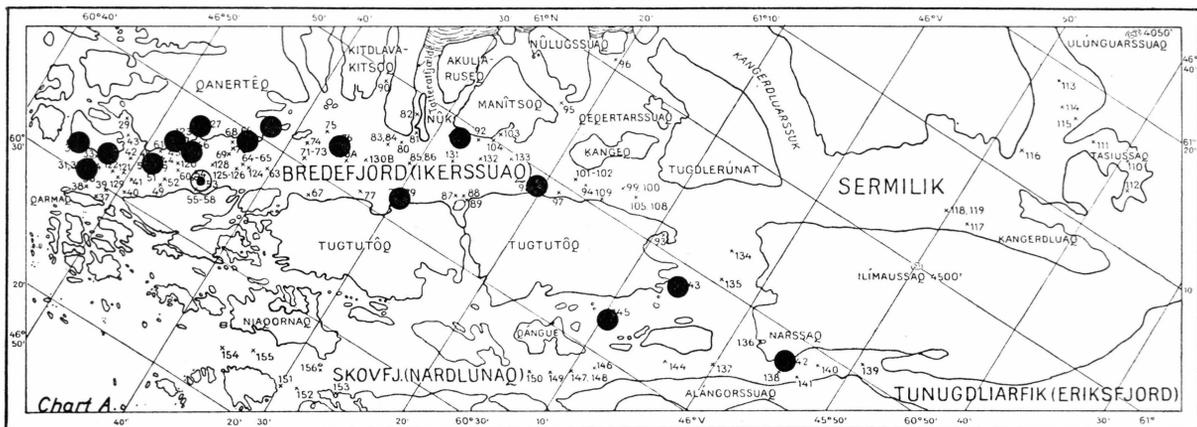
○ *Amphitrite cirrata* ○ *Nicolea venustula*
● *Pista maculata* ● *Thelepus cincinnatus*



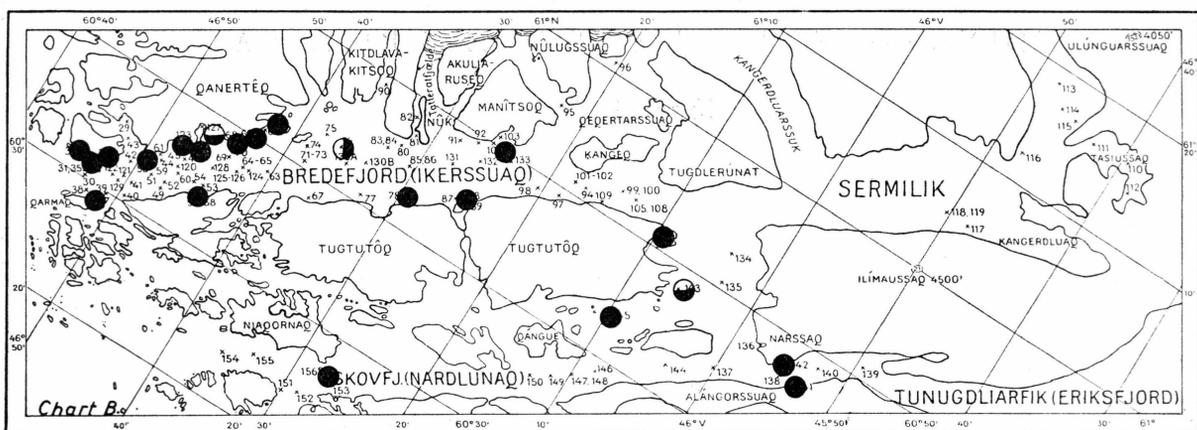
● *Dasychone infarcta* ⊕ *Protula arctica*

DISTRIBUTION OF
POLYCHÆTES IN THE BREDEFJORD AREA

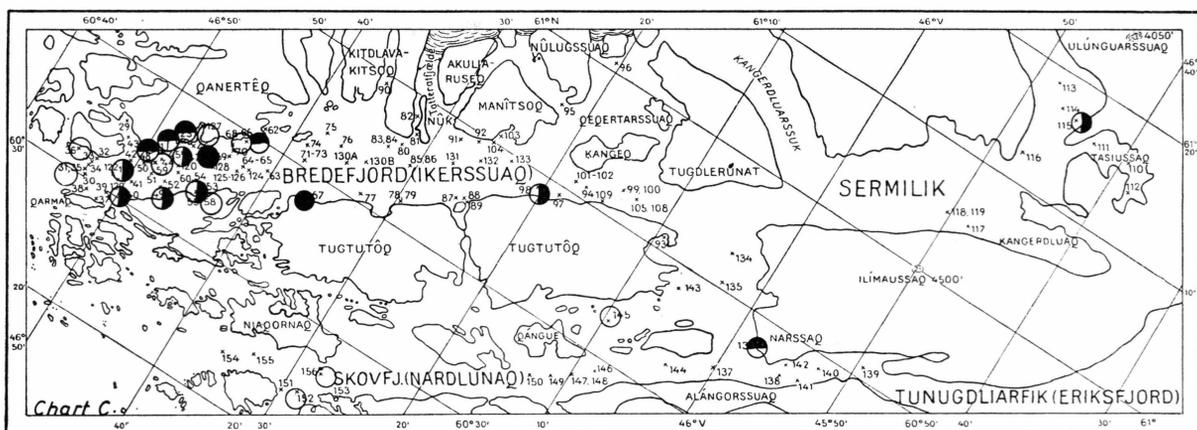
Chart A-Q.



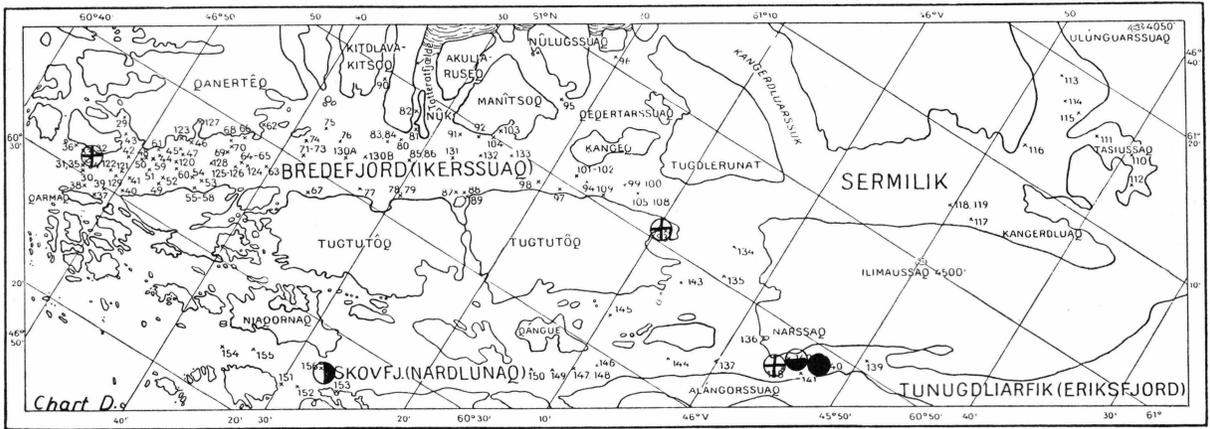
● *Gatt. cirrosa* ⊙ *Harm. nodosa*



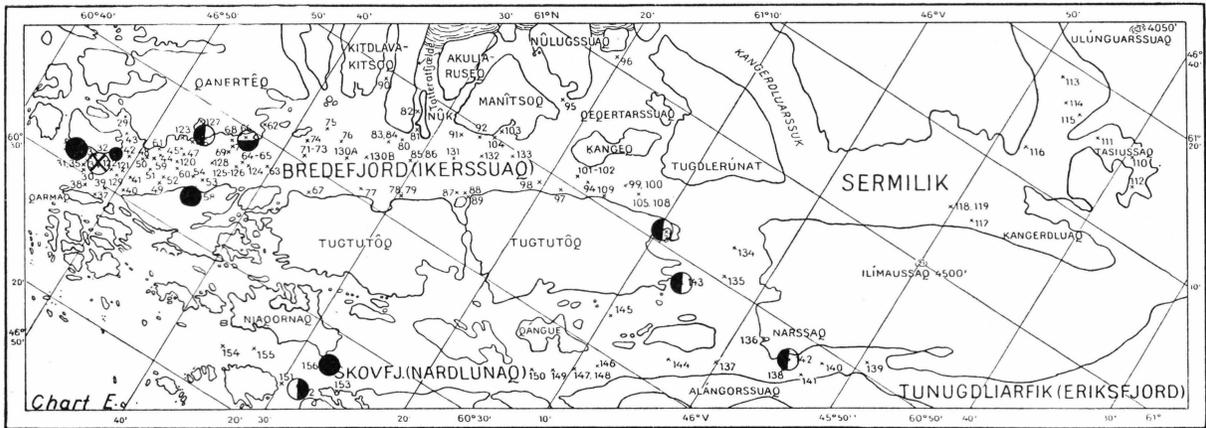
● *Harm. imbricata* ◐ *H. longisetis* ◑ *H. badia*



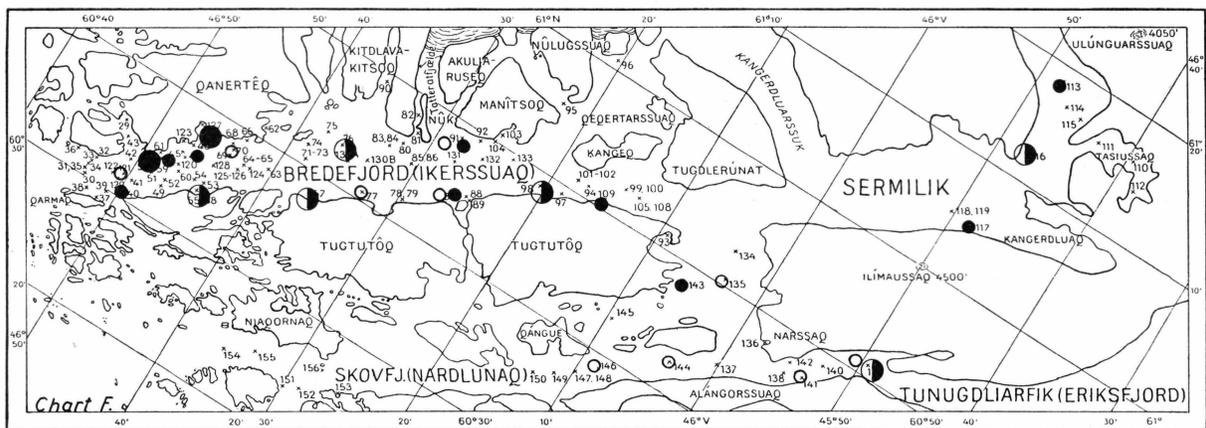
◑ *Harmothoe villosa* ◐ *Lagisca extenuata* ● *Nemidia torelli* ⊙ *Phloeë minuta*



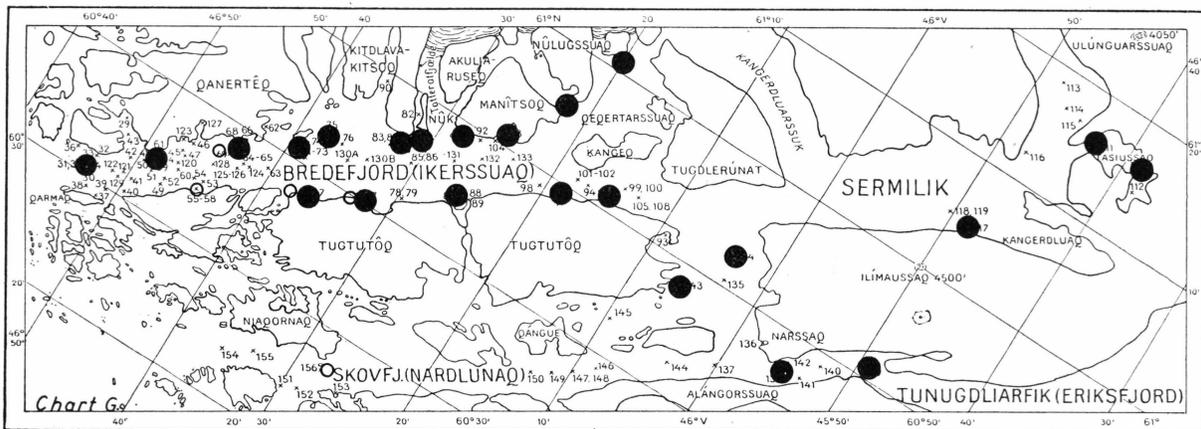
- *Phyllodoce groenlandica* ● *P. maculata* ● *Mystides borealis* ⊕ *Eteone longa*



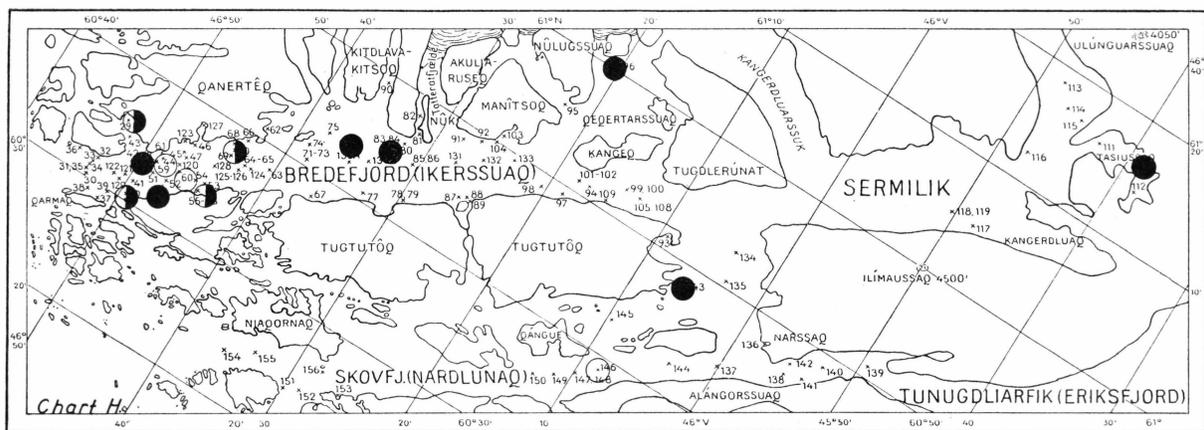
- *Castalia aphroditoides* ● *Syllis armillaris* ● *S. cornuta* ● *S. fasciata* ⊗ *Nereis pelagica* ● *N. zonata*



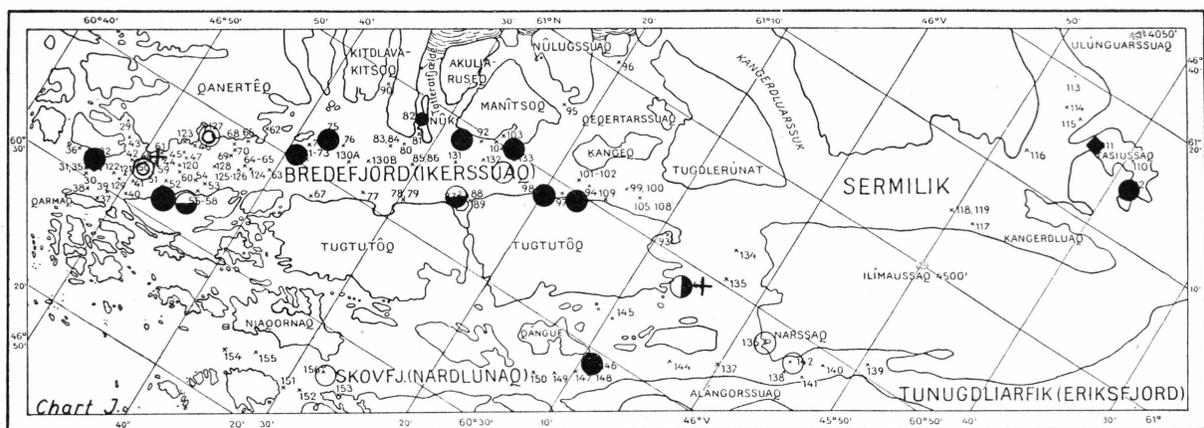
- *Nephtys coeca* ● *N. ciliata* ○ *N. paradoxo* ● *N. malmgreni*



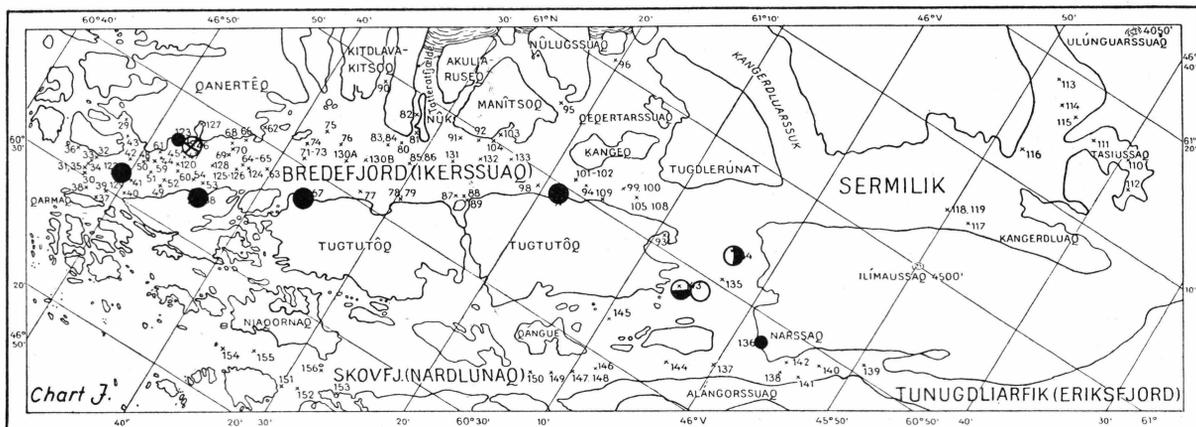
● *Onuphis conchylega* ○ *Eunice pennata*



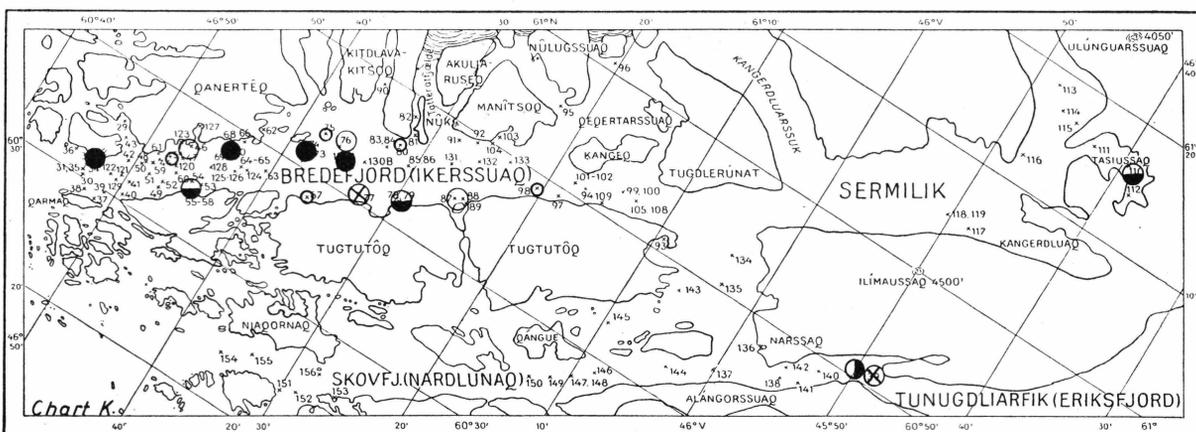
● *Lumbriconereis fragilis* ○ *L. minuta* ◐ *L. latreilli*



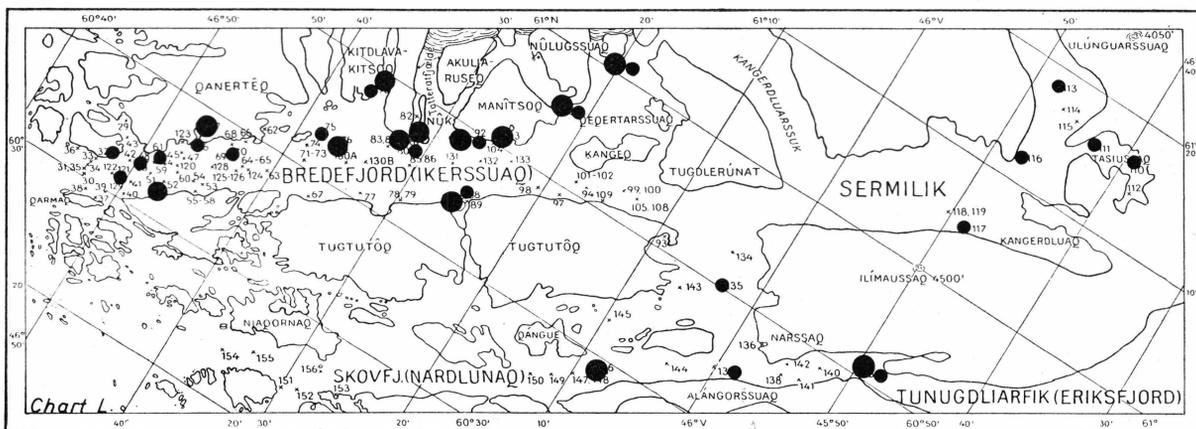
◐ *Scoloplos armiger* ◆ *Laonice cirrata* ● *Spio filicornis* ● *Spiochætopterus typicus*
 ○ *Flabelligera affinis* † *Stylarioides plumosa* ⊙ *Brada villosa* ● *Brada granulata*



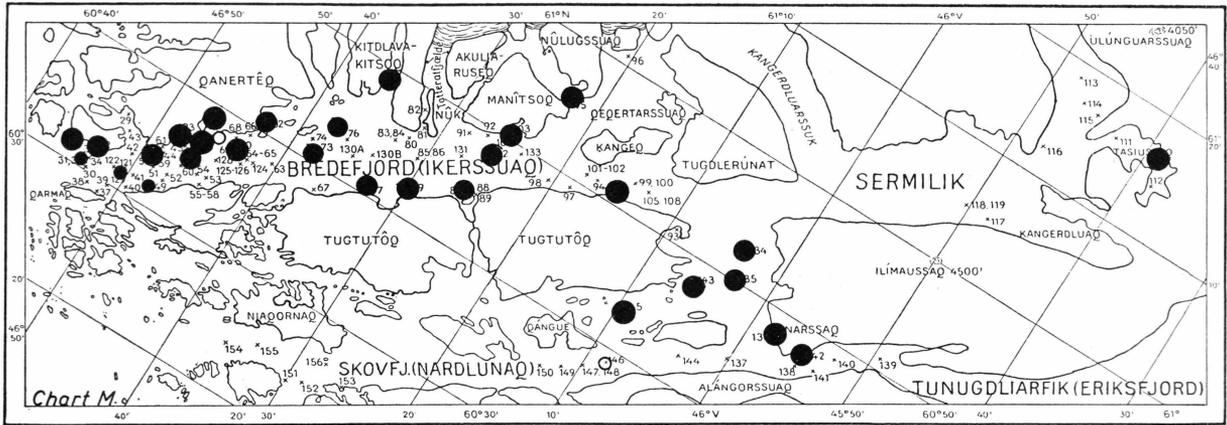
- *Scalibregnia inflatum* ● *Eumenia crassa* ○ *Ammotrypane aulogaster* ● *Capitella capitata*
 ⊗ *Ophelia limacina* ● *Notomastus latericius*



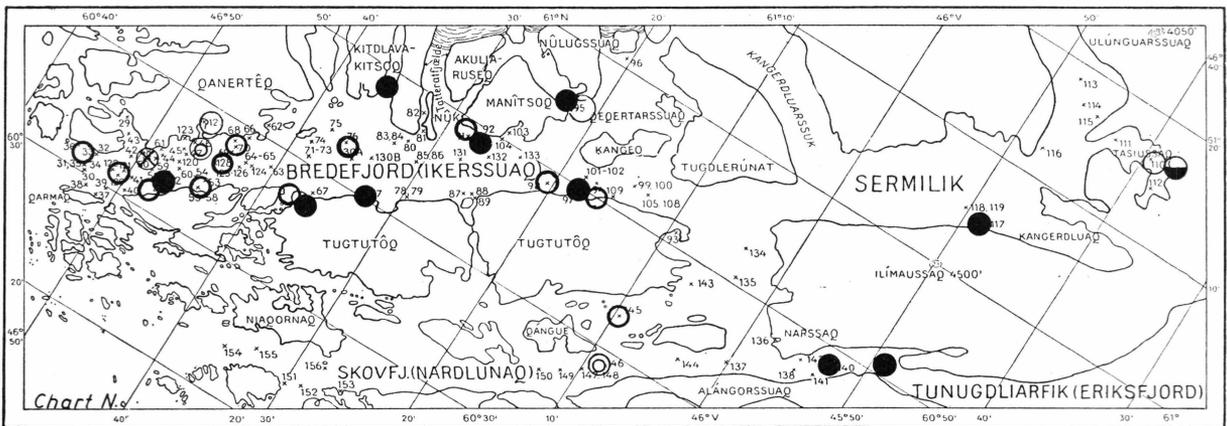
- *Nicomache lumbricalis* *Praxillella gracilis* ● *Axiothella catenata* ○ *Maldane sarsi* ● *M. glebifex*
 ⊗ *Asychis biceps*



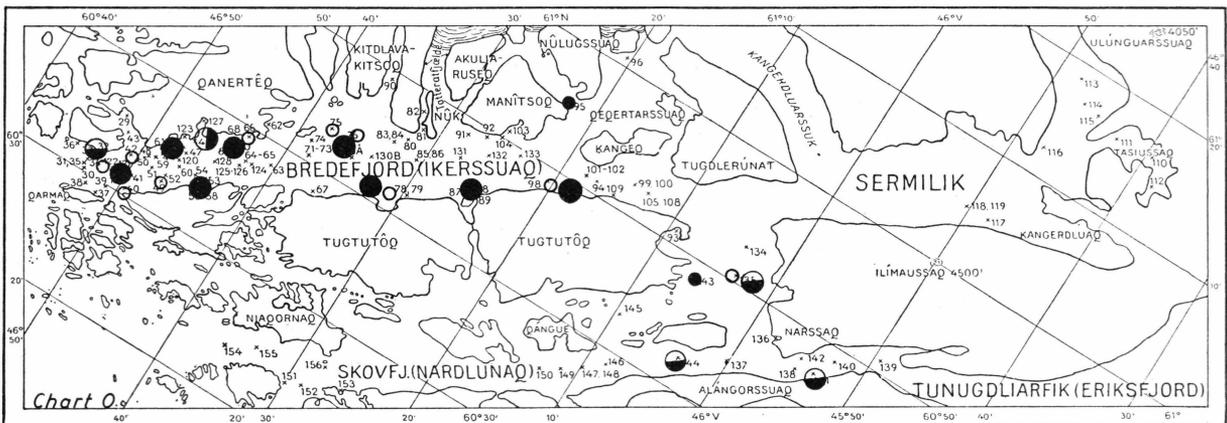
- *Owenia fusiformis* ● *Myriochele heeri*



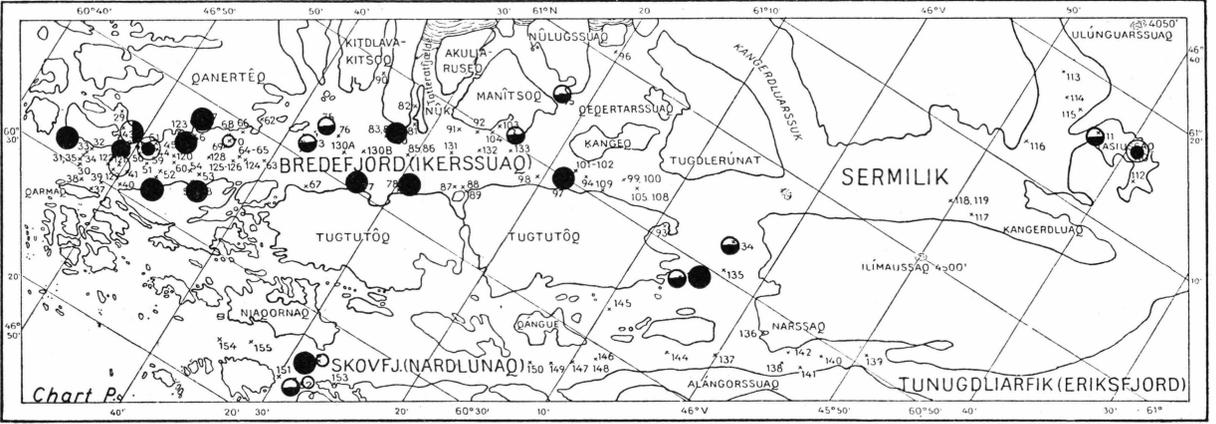
● *Cistenides hyperborea* ● *Samythella neglecta* ○ *Lysippe labiata*



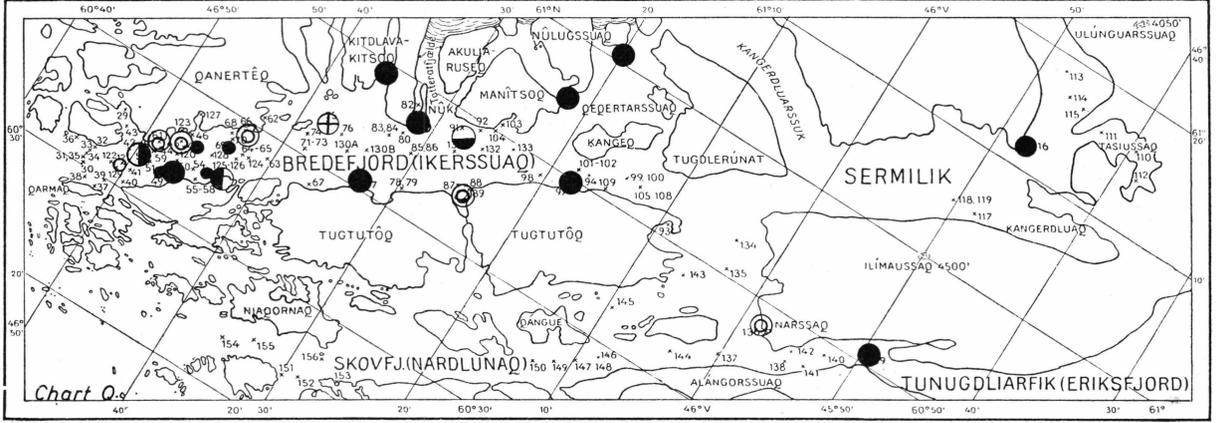
⊗ *Ampharete acutifrons* ● *Ampharete finmarchica* ○ *Sabellides borealis* ◐ *Amphicteis sundevalli*
 ○ *Amphicteis gunneri* ⊙ *Glyphanostomum palescens*



● *Melinna cristata* ○ *Amphitrite cirrata* ● *A. affinis* ◐ *A. groenlandica* ◑ *Nicolea venustula*



- *Pista maculata* ○ *Thelepus cinninatus* ● *Polycirrus medusa* ○ *P. albicans*
- *Trichobranchus glacialis* ● *Terebellides stroemi*



- *Potamilla neglecta* ● *Chone infundibuliformis* ○ *Euchone analis* ● *Euchone papillosa*
- *Protula artica* ○ *Spirorbis spirillum* ● *Spirorbis spirorbis* ⊕ *Hydroides norvegica*