

M A N U A L
OF THE
NATURAL HISTORY, GEOLOGY, AND PHYSICS
OF
GREENLAND
AND THE NEIGHBOURING REGIONS;

**PREPARED FOR THE USE OF THE ARCTIC EXPEDITION OF 1875, UNDER THE
DIRECTION OF THE ARCTIC COMMITTEE OF THE ROYAL SOCIETY,**

AND EDITED BY

PROFESSOR T. RUPERT JONES, F.R.S., F.G.S., &c., &c., &c.,
||

TOGETHER WITH

I N S T R U C T I O N S

**SUGGESTED BY THE ARCTIC COMMITTEE OF THE ROYAL SOCIETY
FOR THE USE OF THE EXPEDITION.**

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MANUAL
OF
**THE NATURAL HISTORY, GEOLOGY, AND
PHYSICS**
OF
GREENLAND
AND THE NEIGHBOURING REGIONS.

The ZOOLOGY, BOTANY, GEOLOGY, and MINERALOGY compiled by
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4.—*Supplement.* FROM ICELAND (IN SHELL-SAND).

- Cythera lutea*, Müller.
C. borealis, Brady.
C. emarginata (Sars).

XVII.—A REVISED CATALOGUE of the ANNELIDA and other,
 not Entozoic, WORMS of GREENLAND. By DR. CHR.
 LÜTKEN, University Museum, Copenhagen. 1875.

ANNULATA CHÆTOPODA ET DISCOPHORA,
 GEPHYREA, ETC.

As far as the marine *Chætopoda* are concerned, this List is chiefly based upon Dr. *Malmgren's* memoirs on the Arctic Annulata. To the Greenland species enumerated by this author are added a few from the Museum of the University in Copenhagen, for instance, the *Hirudinida*, identified by Mr. *Malm*, of Göteborg; the *Sipunculida*, by the late Prof. *Keferstein*, in Göttingen, &c.

The following memoirs should especially be consulted:—

A. S. Örsted: Grönlands Annulata dorsibranchiata (K. D. Vidensk. Selsk. mathem.-natur. Afh., X. Deel).

Malmgren: Nordiska Hafs-Annulater (Öfvers. K. Vet. Akad. Förh., 1865), 1-3.

Annulata polychæta Spitzbergiæ, Grønlandiæ, &c., 1867.

W. Keferstein: Beiträge zur anatomischen und systematischen Kenntniss der Sipunculiden (Zeitschr. f. wiss. Zool., XV., 1865).

O. A. L. Mörch: Revisio critica Serpulidarum (Naturhist. Tidskr., 3 R., 1 B., 1868).

In the Catalogue of *Entozoa* (Art. XVIII., p. 172) the species are added which have been identified from Greenland species by Dr. *Krabbe* in the Museum at Copenhagen.

Euphrosynidæ.

1. *Euphrosyne borealis*, Örsted.

Euphrosyne borealis, Örsted, Grönland's Annul. dorsibr., p. 170, f. 23-27.

Polynoidæ.

2. *Lepidonotus squamatus* (L.).

Aphrodita squamata, Linn., S. N., Ed. X., p. 655.

Pall. Miscel. Zool., p. 91 (pp.), t. 7, f. 14 a-d.

A. punctata, Müll. Pr. Z. D. 2642; v. Würmern, p. 170, t. 13; Abildgd. Zool. Dan., III., p. 25, t. 96, f. 1-4; Fabr. F. Gr. 291.

Polynoë squamata, Aud. et M.-Edw. Rech. Annel., p. 80, t. 1, f. 1-16.

Lepidonote punctata, CErsted, Annul. Dan. Comp., p. 12, f. 2, 5, 39, 41, 47, 48.

Lepidonotus squamatus, Kinberg, Eugenes Resa, II., p. 13, t. 4, f. 15.

Malmgren, Nord. Hafs.-Annul., p. 56.

(A single specimen in the Museum at Copenhagen, labelled "Greenland.")

3. *Nychia cirrosa* (Pall.).

Aphrodita cirrosa, Pall., Miscell. Zool., p. 95, t. 8, f. 3-6.

Aphrodita scabra, Fabr., Fauna Grœnl. 292.

Nychia cirrosa, Malmgren, Nordiska Hafs-Annulater, p. 58, t. 8, f. 1.

4. *Nychia Amondseni*, Mlgr.

Malmgren, Annulata polychæta, p. 5, t. 1, f. 4.

5. *Eunoa CErstedii*, Mlgr.

Lepidonote scabra, CErstd. (non Fabr.), l. c., p. 164, f. 2, 7, 10, 12, 13, 17, 18.

Eunoë CErstedii, Mlgr., Nordiska Hafs-Annulater, p. 61, t. 8, f. 3.

6. *Eunoa nodosa* (Sars).

Polynoë nodosa, Sars, Christiania Vid. Selsk. Forh., 1860, p. 59.

Eunoë nodosa, Malmgren, l. c., p. 64, t. 8, f. 4.

7. *Lagisca rarispina* (Sars).

Polynoë rarispina, Sars, Christiania Vid. Selsk. Forh., 1860, p. 60.

Lagisca rarispina, Mlgr., l. c., p. 65, t. 8, f. 2.

8. *Harmothoë imbricata* (L.).*

Aphrodita imbricata, Linn., Syst. Nat. (ed. XII.), p. 1804.

Aphrodita cirrata, Fabr., Faun. Grœnl. 290, t. 1, f. 7.

Lepidonote cirrata, CErsted, l. c., p. 166, f. 1, 5, 6, 11, 14, 15.

Harmothoë imbricata, Mlgr. l. c., p. 66, t. 9, f. 8.

9. *Antinoë Sarsii* (Kinbg., grænlandica, Mlmgr.).

Antinoë (Sarsii) grænlandica, Malmgren, Annul. polych., p. 13, et Nordiska Hafs-Annul., p. 75, t. 9, f. 6.

Sigalionidæ.

10. *Pholoë minuta* (Fabr.).

Aphrodita minuta et *A. longa*, Fabr., Faun. Gr. 293 et 294.

Pholoë (?) minuta, CErsted, l. c., p. 169, f. 3, 4, 8, 9, 16.

Pholoë minuta, Malmgren, Nord. Hafs-Annul., p. 89, t. 11, f. 13.

* According to Möbius, *Harmothoë imbricata* and *Antinoë Sarsii* are but one species.

Nephtydidæ.

11. *Nephtys ciliata* (Müll.).
Nereis ciliata, Müll., Zool. Dan., t. 89, f. 1-4.
Nephtys ciliata, Malmgr., l. c., p. 104, t. 12, f. 17.
12. *Nephtys lactea*, Malmgr.
Malmgr., Annul. polych., p. 18 (name only). Un-
described specimens, perhaps of this species, are in
the Copenhagen Museum.
13. *Nephtys cæca* (Fabr.) (Greenl. *Sengiarsoak*).
Nereis cæca, Fabr., F. Gr. 287; Naturh. Selsk.
Skr., V., p. 185, t. 4, f. 24-29.
Nephtys cæca, CErsted, l. c., p. 193, f. 73, 74, 77-86.
Nephtys cæca, Malmgr., Nord. Hafs-Annul., p. 104,
t. 12, f. 18.
14. *Nephtys longosetosa*, CErstd.
CErstd. l. c., p. 195, f. 75-76.
Malmgren, l. c., p. 106, t. 13, f. 24.

Phyllodoceidæ.

15. *Phyllodoce citrina*, Mlgr.
Phyllodoce maculata, CErstd. (non Fabr.), l. c., p. 191,
f. 46, 48.
Ph. citrina, Malmgr., l. c., p. 95, t. 13, f. 24.
16. *Phyllodoce grænländica*, CErstd.
CErsted, l. c., p. 192, f. 19, 21, 22, 29-32.
Malmgren, l. c., p. 36; Annul. polych., t. 2, f. 9.
17. *Phyllodoce Rinki*, Mlgr.
Annul. polych., p. 23, t. 2, f. 11.
18. *Phyllodoce Luetkeni*, Malmgr.
Annul. polych., p. 24, t. 2, f. 10.
19. *Phyllodoce incisa*, CErsted.
? *Nereis maculata*, Fabr. (non Müll.), F. Gr. 281.
Phyllodoce ? incisa, CErsted, Grönl. Ann. dors., p. 189,
f. 44. (Perhaps a doubtful species.)
20. *Eulalia viridis* (Müll.) (Greenl. *Sengiarak*).
Die grüne Nereide, Müll., Würm., p. 162, t. 11.
Nereis viridis, Fabr. F. Gr. 279.
CErsted, l. c., p. 188.
Eulalia viridis, Malmgr., Nord. Hafs-Ann., p. 98, t. 15,
f. 39.
21. *Eulalia problema*, Malmgr.
Nord. Hafs-Ann., p. 99, t. 14, f. 29.
22. *Eteone longa* (Fabr.) (Gr. *Sengiak*).
Nereis longa, Fabr., F. Gr. 289; Naturh. Selsk. Skr.,
V., p. 171, t. 4, f. 11-13.
Eteone longa, CErsted, l. c., p. 185, f. 20, 28.
23. *Eteone cylindrica*, CErsted.
CErsted, l. c., p. 187, f. 42, 49, 57.
24. *Eteone flava* (Fabr.) * (Greenl. *Sengiarak*)

* *Nereis cerulea*, Fabr. F. Gr., 280, perhaps a Phyllodocean, not deter-
minable ("Sengiarak" in Greenland, as many other species).

Nereis flava, Fabr., F. Gr. 282; Nat. Selsk. Skr., V., p. 168, t. 4, f. 8-10.

Eteone flava, CErsted, l. c., p. 186, f. 47.

Malmgren, Nord. Hafs-Ann., p. 102, t. 15, f. 35.

Hesionidae.

25. *Castalia aphroditoides* (Fabr.). (Greenl. *Sengiarak*).
Nereis aphroditoides, Fabr., F. G. 278; Nat. Selsk. Skr., V., p. 164, t. 4, f. 4-6.

Castalia Fabricii, Malmgr., Ann. polych., p. 32.

26. *Castalia rosea* (Fabr.). (Greenl. *Sengiarak*).

Nereis rosea, Fabr. F. Gr. 284; Nat. Selsk. Skr., V., p. 175, t. 4, f. 14-16.

Syllidae.

27. *Autolytus longisetosus*, CErsted. (Greenl. *Sengiarak*, *Iglualik*.)

? *Nereis prismatica*, Fabr., F. Gr. 285; Nat. S. Skr., V., p. 177, t. 4, f. 17-20.

? *Nereis bifrons*, Fabr., F. Gr. 303; l. c., p. 181, f. 21-23.

Polybostrichus longisetosus, CErsted., l. c., p. 182, f. 62, 67, 71.

Autolytus longisetosus, Malmgr., Ann. polych., p. 34, t. 7, f. 38.

28. *Autolytus Alexandri* (Malmgr.).*

Malmgr., Ann. polych., p. 37, t. 7, f. 39.

29. *Autolytus incertus*, Mlgr.

Malmgr. *op. cit.*, p. 35, t. 6, f. 40.

30. *Syllis incisa* (Fabr.). (Greenl. *Sengiak*.)

Nereis incisa, Fabr., F. Gr. 277; Nat. Selsk. Skr., V., p. 160, t. 4, f. 1-3.

31. *Syllis Fabricii*, Malmgr. (Greenl. *Sengiarak*.)

Nereis armillaris, Fabr. F. Gr. 276 (non Müll.).

32. *Chaetosyllis CErstedi*, Malmgr. ?

Joida sp., CErsted, l. c., p. 182.

Malmgren, Annul. polych., p. 45, t. 8, f. 51.

Nereidae.

33. *Nereis zonata*, Malmgr. (Greenl. *Sengiak*.)

? *Nereis diversicolor*, Fabr., F. Gr. 274 (non Müll.).†

Malmgren, Annul. polych., p. 46, t. 5, f. 34.

34. *Eunereis paradoxa* (CErsted).

Heteronereis paradoxa, CErsted, l. c., p. 177, f. 50, 63, 64, 66. (Known from a single specimen.)

35. *Nereis pelagica*, Linn. (Greenl. *Sengiarsoak*.)

Linn. Syst. Nat. (X.), p. 654.

Nereis verrucosa, Fabr., F. Gr. 275.

* *Nereis noctiluca*, Fabr. F. Gr. 278 (Greenl. "Ingnerolak"), is a doubtful, undetermined species.

† *N. diversicolor* is cited from East Greenland by Möbius, *Zur deutsche Nordpolarfahrt*, II., p. 254.

Nereis pelagica, CErsted, l. c., p. 175, f. 52, 53, 55, 58, 59.

Malmgren, Annul. polych., p. 47, t. 5, f. 35.

(36.) *Heteronereis grandifolia* (Rathke).

Nereis grandifolia, Rathke, Beiträge z. Fauna Norwegens (Nova Acta C. L.-C. N. C., XX.), p. 155, t. 7, f. 13-14.

Heteronereis arctica et assimilis, CErsted, l. c., p. 179-180, f. 50, 51, 54, 60, 61, 65, 68, 70, 72.

Heter. grandifolia, Malmgr., Nord. Hafs-Ann., p. 108, t. 11, f. 15-16.

Obs.—*Eunereis* and *Heteronereis* are now known to be the natatory, sexually mature state of *Nereis*; *H. grandifolia* of *Nereis pelagica*.

Lumbrinereidsæ.

37. *Lumbrinereis fragilis* (Müll.).

Lumbricus fragilis, Müll. Prodr. Zool. Dan. 2611; Zool. Dan., p. 22, t. 22, f. 1-3.

Malmgren, Annul. polych., p. 63, t. 14, f. 83.

Eunicidsæ.

38. *Nothria conchylega* (Sars).

Onuphis conchylega, Sars, Beskr. og Jagttag, p. 61, t. 10, f. 28.

Onuphis Eschrichtii, CErsted, l. c., p. 172, f. 33-41, 45.

Glyceridsæ.

39. *Glycera capitata*, CErstd. (Greenl. *Pullateriak*.)

Nereis alba, Müll. Prodr. Z. D. 2634; Zool. Dan., II., p. 29, t. 62, f. 6-7.

Glycera capitata, CErstd. l. c., p. 196, f. 87, 88, 90-94, 96, 99.

40. *Glycera setosa*, CErst.

CErsted, l. c., p. 198, f. 89, 95, 97.

Aricidsæ.

41. *Scoloplos armiger* (Müll.). (Greenl. *Pullateriak*.)

Lumbricus armiger, Müll. Zool. Dan., I., p. 22, t. 22.

Scoloplos armiger, CErsted, l. c., p. 201, f. 113, 117, 118.

42. *Naidonereis quadricuspida* (Fabr.).

Nais quadricuspida, Fabr., F. Gr. 296.

Scoloplos quadricuspida, CErsted, l. c., p. 200, f. 106-10.

Ophelidsæ.

43. *Ammotrypane aulogaster*, Rathke.

Rathke, Beitr. z. F. Norw., l. c., p. 188, t. 10, f. 1-3.

Ophelina acuminata, CErstd. Archiv f. Naturg., X., p. 111, t. 3, f. 24-26.

44. *Ophelia limacina* (Rathke).

Ammotrypane limacina, Rathke, l. c., p. 190, t. 10, f. 4-8.

Ophelia bicornis, CErsted, Grönl. Ann., p. 204, f. 104-5, 115, 116, 121.

45. *Travisia Forbesi*, Johnst.

Johnston, Ann. Nat. Hist., IV., p. 373, t. 11, f. 11-18.
Ammotrypanæ oestroides, Rathke, l. c., p. 192, t. 10,
 f. 9-12.

Ophelia mamillata, CErsted, Grönl. Ann., p. 205,
 f. 103, 112, 114, 119, 120; Archiv f. Naturg., X.,
 p. 110, t. 3, f. 21-23.

Scalibregmidæ.46. *Scalibregma inflatum*, Rathke.

Rathke, l. c., p. 184, t. 9, f. 15-21.

Oligobranchus roseus et grænländicus, Sars, Fauna
 littor. Norvegiæ, I., p. 91, 92, t. 10, f. 20-27.

Telethussæ.47. *Arenicola marina* (Linn.). (Greenl. *Inellualuak*.)

Lumbricus marinus, Linn., Syst. Nat. (XII.), p. 1077.
Lumbricus marinus, Fabr., F. Gr. 262, et *L. papillosus*,
 ibid. 267.

Arenicola piscatorum, CErstd., Grönl. Ann., p. 207.

Sphærodoridæ.48. *Ephesia gracilis*, Rathke.

Rathke, l. c., p. 176, t. 7, f. 5-8.

Sphærodorum flavum, CErsted, Annul. Dan. Comp.,
 p. 43, f. 7, 92, 101.

Pollicita peripatus, Johnst., Ann. Nat. Hist., XVI.,
 p. 5, t. 2, f. 1-6.

Sphærodorum peripatus, Claparède, Beob. Anat. Entw.
 wirbellos. Thiere, p. 50, t. 11, f. 8-18.

Ephesia gracilis, Malmgr., Annul. polych., p. 79.

Chloræmidæ.49. *Trophonia plumosa* (Müll.). (Greenl. *Merkolualik*.)

Amphitrite plumosa, Müll., Prodr. Z. D. 2621 (Abild-
 gaard Zool. Dan., III., t. 90, f. 1-2).

Amphitrite plumosa, Fabr., F. Gr. 271.

Siphonostoma plumosa, Rathke, l. c., p. 208, t. 11,
 f. 1-2.

Trophonia Goodsiri, Johnston, Ann. Nat. Hist., IV.,
 p. 371, t. 11, f. 1-10.

50. *Flabelligera affinis*, Sars.

Sars, Bidrag til Södyrenes Naturh., p. 31, t. 3, f. 16.

Siphonostoma vaginiferum, Rathke, l. c., p. 211,
 t. 11, f. 3-10.

Tecturella flaccida, Stimpson, Marine Invert. Gr.
 Manan, p. 32, t. 3, f. 21.

51. *Brada villosa* (Rthk.) ?

Siphonostoma villosum, Rathke, N. Act. Acad. C.
 L.-C. N. C., XX., p. 215, t. 14, f. 11, 12.

52. *Brada granulata*, Malmgr.

Annul. polychæta, p. 85, t. 12, f. 71.

Brada inhabilis (Rathke ?); Stimpson, Proc. Acad.
 Philad., 1863.

Sternaspidae.53. *Sternaspis fossor*, Stimps.Stimpson, Marine Invertebrata of Grand Manan, p. 29,
t. 2, f. 19.**Chaetopteridae.**54. *Spiochaetopterus typicus*, Sars.Sars, Fauna littor. Norv., II., p. 1, t. 1, f. 8-21.
Malmgren, Annul. polych., p. 98.**Spionidae.**55. *Scolecoplepis (Laonice) cirrata* (Sars).*Nerine cirrata*, Sars, Nyt. Mag. f. Natur., VI., p. 207.
Scol. (Laon.) cirr., Malmgr., Annul. pol., p. 91, t. 9,
f. 54.56. *Spio flicornis* (Fabr.). (Greenl. *Iglolualik*.)*Nereis flicornis*, Fabr. F. Gr. 289; *Spio flicornis*,
Fabr., Schr. Naturf. Freunde, VI., p. 264, t. 5, f. 8-
12.*Spio flic.*, Malmgren, l. c., p. 92, t. 1, f. 1.57. *Spio seticornis*, Fabr.*Nereis seticornis*, Fabr., F. Gr. 288.*Spio seticornis*, Fabr., Schr. Naturf. Freunde, VI.,
p. 260, t. 5., f. 1-7.58. *Spiophanes Krøyeri*, Grube.Grube, Archiv f. Naturg., 1860, p. 88, t. 5, f. 1.
Malmgren, Annul. polych., p. 94, t. 9, f. 56.59. *Leipoceras uviferum*, Möb.

Zte deutsche Nordpolarf., II., p. 254, t. 1, f. 10.

Cirratulidae.60. *Cirratulus cirratus* (Müll.). (Greenl. *Nyaurselik*.)*Lumbricus cirratus*, Müll., Prodr. Z. D. 2608.*Lumbricus cirratus*, Fabr., F. Gr. 266.*Cirratulus borealis*, CErsted, l. c., p. 206, f. 98, 102.*Cirr. bor.*, Rathke, l. c., p. 180, t. 8, f. 16, 17.**Haleminthidae.**61. *Notomastus latericeus*, Sars?Sars, Nyt. Mag., VI., p. 199; Fauna litt. Norv., II.,
p. 12, t. 2, f. 8-17.

Malmgren, Annul. polych., p. 97.

62. *Capitella capitata* (Fabr.). (Greenl. *Pullateriak*.)*Lumbricus capitatus*, Fabr., F. Gr. 262.*Lumbriconais marina*, CErsted, Naturh. Tidsskr., IV.,
p. 128, t. 3., f. 6, 11, 12.**Maldanidae.**63. *Nicomache lumbricalis* (Fabr.).*Sabella lumbricalis*, Fabr., F. Gr. 369.*Clymene lumbricalis*, Sars, F. litt. Norv., II., p. 16,
t. 2, f. 23-26.Malmgren, Nord. Hafs-Ann., p. 190; Ann. polych.,
t. 10, f. 60.

64. *Axiothea catenata*, Mlgr.
Malmg., N. Hafs-Ann., p. 190; Ann. pol., t. 10, f. 59.

Ammocharidæ.

65. *Ammochares assimilis*, Sars.
Sars, Nyt. Mag. f. Natur., VI., p. 201.
Malmgren, Annul. polych., t. 11, f. 65.
66. *Myriochele Heeri*, Mlgr.
Annul. polych., p. 101, t. 7, f. 37.

Amphictenidæ.

67. *Cistenides granulata* (L.). (Greenl. *Imab-polia*).
Sabella granulata, L., Syst. Nat. (XII.), p. 1268.
Amphitrite auricoma, Fabr., F. Gr. 272.
Amphitrite Eschrichtii, Rathke, l. c., p. 219.
Pectinaria grænlandica, Grube, Arch. f. Naturg.
Cistenides granulata, Malmgr., Nord. Hafs-Ann.,
p. 359.
68. *Cistenides hyperborea*, Malmgr.
Malmgr. Nord. Hafs-Ann., p. 360, t. 18, f. 40.

Ampharetidæ.

69. *Ampharete Grubei*, Mlgr.
? *Amphicteis acutifrons*, Grube, Archiv f. Naturg.,
XXVI., p. 109, t. 5, f. 6.
Amphar. Grubei, Malmg., N. Hafs-Ann., t. 19, f. 44.
- 69a. *Ampharete Goësi*, Mgr.
Nord. Hafs-Ann., p. 364, t. 19, f. 45.
70. *Amphicteis Gunneri* (Sars).
Amphitrite Gunneri, Sars, Beskr. Jagtt., t. 11, f. 30.
Crossostoma midas, Gosse, Ann. Nat. Hist., 1855,
XVI., p. 310, t. 8, f. 7-12.
Amphicteis grænlandica, Grube, Archiv f. N.,
XXVI., p. 106, t. 5, f. 3.
Amphicteis Gunneri, Malmgr., Nord. Hafs-Ann.,
p. 365, t. 19, f. 46.
71. *Sabellides borealis*, Sars.
Sars, Fauna litt. Norv., II., p. 22, 23.
Malmgren, Nord. Hafs-Ann., p. 368, t. 20, f. 47.
72. *Melinna cristata* (Sars).
Sabellides cristata, Sars, l. c., p. 19 et 24, t. 2, f. 1-7.
Melinna cristata, Malmg., N. Hafs-Ann., t. 20, f. 50.
- 72a. *Lysippe labiata*, Mgr.
Nord. Hafs-Ann., p. 367, t. 26, f. 78.

Terebellidæ.

73. *Amphitrite cirrata*, Müll. (Greenl. *Iglulualik*).
O. F. Müller, Prodr. Zool. Dan. 2617.
O. Fabricius, Fauna Grœnl. 269.
Malmgren, Nord. Hafs-Ann., p. 375, t. 21, f. 53.
74. *Amphitrite grænlandica*, Mlgr.
Malmgren, l. c., p. 376, t. 21, f. 52.
75. *Nicolea arctica*, Malmgren.
Nordiska Hafs-Annul., p. 381, t. 24, f. 65, 67.

76. *Scione lobata*, Mlgr.
l. c., p. 383, t. 23, f. 62.
77. *Axionice flexuosa* (Grube).
Terebella flexuosa, Grube, Archiv f. Naturg, XXVI.,
p. 102, t. 5, f. 2.
Axionice flexuosa, Malmgren, l. c., p. 384, t. 24, f. 68.
78. *Leæna abranchiata*, Malmgr.
l. c., p. 385, t. 24, f. 64.
79. *Thelepus cincinnatus* (Fabr.). (Greenl. *Iglulualik*).
Amphitrite cincinnata, Fabr., F. Gr. 270.
Terebella pustulosa, Grube, l. c., p. 100.
Thelepus Bergmanni, Leuck., Archiv f. N., XV.,
p. 169, t. 3, f. 4.
Lumara flava, Stimpson, Marine Invert. Gr. M., p. 30.
Thelepus cincinnatus, Malmgr., l. c., p. 387, t. 22,
f. 58.
80. *Leucariste albicans*, Malmgr.
Nord. Hafs-Ann., p. 390, t. 23, f. 61.
Polycirrus arcticus, Sars, Christiania Vid. Selsk. Förh.,
1864, p. 14.
81. *Ereutho Smitti*, Malmgr.
Nord. Hafs-Annul., p. 391, t. 23, f. 63.
82. *Artacuma proboscidea*, Malmgr.
l. c., p. 394, t. 23, f. 60.
83. *Trichobranchus glacialis*, Malmgr.
l. c., p. 395, t. 24, f. 65.
84. *Terebellides Strœmii*, Sars.
Sars, Beskrv. og Jagttag., p. 48, t. 13, f. 31.
Malmgren, l. c., p. 396, t. 19, f. 48.

Sabellidæ.

85. *Laonome*? *Fabricii* (Kr.).
Sabella Fabricii, Kr., Bidrag til Sabellerne, Vid. Selsk.
Overs., 1856, p. 20.
86. *Potamilla reniformis* (Müll.).
Die nierenförmige Amphitrite, Müller, v. Würmern,
p. 194, t. 16.
Sabella reniformis, Leuckart, l. c., p. 183, t. 3, f. 8.
Sabella aspersa et oculata, Kröyer, l. c., p. 19 et 22.
Potamilla reniformis, Malmgren, Annul. polych.,
p. 114, t. 13, f. 77.
87. *Euchone analis*, (Kr.).
Sabella analis, Kr. l. c., p. 17.
Malmgren, Nord. Hafs-Ann., p. 406, t. 28, f. 88.
88. *Euchone tuberculosa*, Kr.
Sabella tuberculosa et S. rigida, Kr., l. c., p. 18.
Euchone tuberculosa, Malmgr., l. c., p. 401, t. 29, f. 92.
89. *Dasychone infarcta*, Kr.
Sabella infarcta, Kröyer, l. c., p. 21.
Malmgren, Nord. Hafs-Annul., p. 403, t. 28, f. 86.
90. *Chone infundibuliformis*, Kr. (Greenl. *Iglualik*.)

- Tubularia penicillus*, Fabr., F. Gr., 438 (non Müll. nec Linn.).
Chone infundibuliformis et suspecta (?), Kr., l. c., p. 33.
Sabella paucibranchiata, Kr., l. c., p. 22.
Chone infund., Mlgr., N.Hafs.-Ann., p. 404, t. 28, f. 87.
91. *Amphicora Fabricii* (Müll.).
Tubularia Fabricii, Müll., Prodr. Z. D. 3066.
Tub. Fabricii, Fabricius, Fauna Grœnl., 450, f. 12.
Othonia Fabricii (Johnst.), Gosse, Ann. Nat. Hist., 2 ser., V., p. 33, t. 4, f. 22.
Amphicora sabella (Ehrbg.), O. Schmidt, Neue Beitr. Würmer, p. 21, t. 2.
Fabricia quadripunctata, Leuck. Beitr. wirbell. Th., p. 151, t. 2, f. 3; Claparède Mém. Soc. Phys. Genève, XVI., p. 118, t. 4, f. 11-15.
- 91a. *Sabella crassicornis*, Sars.
S. picta, Kr., l. c., p. 24.
Malmgr., Nord. Hafs.-Ann., p. 399, t. 27, f. 83.

Erioglyphididæ.

92. *Myxicola Steenstrupii*, Kr.
Myx. Steenstrupii et Sarsi, Kr. l. c., p. 9 et 35.
Malmgren, Nord. Hafs.-Ann., p. 408, t. 29, f. 90.

Serpulidæ.*

93. *Hydroides norvegica*, Gunn.
Serpula triquetra, Fab. F. Gr. 374.
Hydroides norvegica, var. *ε. grœnlandica*, Mörch, Revisio critica Serpulidarum, p. 31 (sep.).
94. *Spirorbis verruca* (Fabr.), Mörch.
Serpula glomerata, Fabr., F. Gr. (non Linn.), n. 377.
Spirorbis verruca, Mörch, l. c., p. 85.
95. *Spirorbis quadrangularis*, Stimps.
Serpula contortuplicata, Fabr., F. Gr. 376.
Spirorbis quadrangularis, Stimps., Mar. Inv. Gr. Manan, p. 29.
Spir. quadr., var. *α. Fabricii*, Mörch, l. c., p. 89.
96. *Spirorbis borealis*, Daud.
Serpula spirorbis, Fabr., F. Gr. 372; Mörch, p. 83.
97. *Spirorbis spirillum*, L.
Serpula spirillum, Linn. S. N. (X.), n. 692.
Malmg., Annul. polych., p. 123; Mörch, op. cit., p. 92.
98. *Spirorbis lucidus* (Mont.). (Greenl. *Katungiak*).
Serpula porrecta et spirillum, Fab., F. Gr. 371, 373.
Serpula lucida, Mtg., Test. Brit., p. 507.
Spirorbis (Spirillum) lucidus, var. *γ. grœnlandica*, Mörch, l. c., p. 93.
99. *Spirorbis vitreus* (Fabr.).
Serpula vitrea, F. Gr. 378.

* *Serpula semilunium (seminulum, L.)*, Fabr., F. Gr. 370, and *S. stellaris*, Fabr., F. Gr. 380, are Foraminifera (Mörch, Rev. crit. Serpulid., p. 118-119).

- Spirorbis (Spirillum) vitreus*, Mörch, l. c., p. 94.
 100. *Spirorbis cancellatus* (Fabr.).
Serpula cancellata et granulata, Fabr., F. Gr. 378
 et 380.
Spirorbis (Spirillum) cancellatus, Mörch, l. c., p. 94.
 101. *Protula media*, Stmps.
 Möbius, Zte deutsche Nordpolarfahrt, II., p. 256,
 t. I., f. 21-24.

Tomopteridæ.

102. *Tomopteris septentrionalis*, Stp.
 Nat. For. Vid. Medd., 1849-50, p. iv.

Lumbricidæ.†

- *103. *Lumbricus*, sp. (Gr. Pullateriak.)
L. terrestris, Fabr., F. Gr. 258.
 *104. *Lumbricus* (?) *rivalis*, Fabr.
 Fauna Grœnl. 260.
 *105. *Enchytraeus vermicularis* (Müll.)? (Greenl. Kuman-
 goak.)
Lumbricus vermicularis, Fabr. F. Gr. 259.
 *106. *Sœnuris lineata* (Müll.)? (Greenl. Kumak.)
Lumbricus lineatus, Fabr. Faun. Gr. 261.
 *107. *Clitellio arenarius* (Müll.). (Greenl. Pullateriak.)
Lumbricus arenarius, Fabr. F. Gr. 264.
 *108. *Clitellio minutus* (Müll.). (Greenl. Sirksab-Kuman-
 goa.)
Lumbricus minutus, Fabr. F. Gr. 265.
 *109. *Opsonais* (?) *marina*, (Fabr.). (Greenl. Kumak.)
Nais mar., Fauna Grœnl. 295.
Opsonais marina, Gervais, Bullet. l'Acad. de Belg.,
 V., p. 5 (sep.).

Hirudinidæ.

110. *Platybdella versipellis* (Diesing). (Greenl. Kaneisib-
 Kuma.)
Hirudo piscium, Fabr., F. Gr. 301.
Ichthyobdella versipellis, Diesing.
Platybdella scorpi (Fabr. MS.), Malm., Göteborg
 Kongl. Vet. och Vitt. Samh. Handl., VIII., 1863,
 p. 253.
 (From *Cottus scorpius* and *scorpioides*.)
 111. *Platybdella Fabricii*, Malm.
 Malm. l. c., p. 248.
 112. *Platybdella Ölriki*, Malm.
 Förhandl. Skand. Naturf. Stockholm, 1863, p. 414.
 (From *Hyas aranea*.)
 113. *Platybdella affinis*, Malm.
 l. c., p. 413 (from *Phobetor ventralis*).

* The species marked * are doubtful, and have not been revised since the time of Fabricius.

† Eisen described *Lumbriculus variegatus*, Müll., and *Enchytraeus Pagenstecheri*, B., from Greenland (Öfv. Vet. Akad. Förh., 1872).

Obs.—Other species of Fish-lice, not yet determined, have been found on *Anarrichas*, sp. (*Pl. anarrichæ*, Malm.? l. c., p. 122), *Liparis tunicatus*, *Hippoglossus vulgaris* (*Pl. hippoglossi*, Malm.? l. c., p. 257), and *Macrurus rupestris*.

114. *Udonella*, sp. (an *hujus loci*?).
(On *Caligus hippoglossi*.)

Echiuridæ.

115. *Echiurus forcipatus* (Fabr.). (Greenl. *Illulualik*).
Lumbricus echiurus, Fabr., F. Gr. 268, et *Holothuria forcipata*, ejusdem 349.

Priapulidæ.

116. *Priapulus caudatus* (Lmk.). (Greenl. *Tarkiksuaak*).
Holothuria priapus, Linn., Syst. Nat. (XII.), p. 1091.
Holothuria priapus, O. Fabr., F. Gr. 347.
Holothuria priapus, Zool. Dan., III., p. 27, t. 96, f. 1; IV., p. 18, t. 135, f. 2.
Priapulus caudatus, Ehlers, Zeitschr. f. wissensch. Zool., XI., p. 205, t. 20–21.
117. *Priapulus glandifer* (Ehlers).
Ehlers, l. c., p. 209, t. 21, f. 24.

Sipunculidæ.

118. *Phascolosoma Erstedii*, Keferst.
Keferstein, Zeitschr. f. wissensch. Zool., XV., p. 436, t. 31, f. 8, et 33, f. 39.
119. *Phascolosoma boreale*, Keferst.
Keferstein, l. c., p. 437, t. 31, f. 7, et t. 33, f. 33.

Myzostomidæ (incertæ sedis).

120. *Myzostoma gigas*, Ltk. (MS.).
On *Antedon Eschrichtii*, M. Tr.; Copenhagen Museum.

Chaetognatha (ad *Nematodas*?).

121. *Sagitta*, sp.
Not uncommon in the Arctic seas in the vicinity of Greenland.

TURBELLARIA.

Obs.—The *Planariæ* and *Nemertæ* of Greenland have not been studied since the time of Fabricius. The following list does little more than show in what manner his species have been partly interpreted, and does no justice to the richness of this branch of the Arctic Fauna.

1. *Monocelis subulata* (Fabr.). (Gr. *Kekkursab-Kuma*).
F. Gr. 308.
2. *Planaria lactea*, Müll. (Gr. *Kumak*).
F. Gr. 309.*

* Doubtful species:—*Pl. operculata*, Fabr. (F. Gr. 310), and *Pl. caudata*, Müll., F. Gr. 310 (both by the Greenlanders termed "*Kekkursab-Kuma*," as are other flat Worms). The latter is perhaps a naked Snail (Ersted, Naturh. Tidsskr., IV., p. 546).

3. *Amphiporus grænelandicus*, Cerd.
Nat. Tidskr., IV., p. 581.
4. *Omatoplea rubra* (Müll.). (Gr. *Kekkursab-Kuma*.)
F. Gr. 304.
5. *Polystemma roseum* (Müll.).
Möbius, Zte deutsche Nordpolarfahrt, II., p. 257.
6. *Tetragemma grænelandicum*, Dies.
F. Gr. 311 (Pl. candida).
7. *Notospermum viride* (Müll.) (Gr. *Kekkursab-Kuma*.)
F. Gr. 305.
8. *Meckelia fusca* (Fabr.). (Gr. *Pullateriak*.)
F. Gr. 306.
9. *M. angulata* (Müll.). (Gr. *Pullateriak*.)
F. Gr. 303.

XVIII.—A REVISED CATALOGUE of the ENTOZOA of GREENLAND. By DR. CHR. LÜTKEN, University Museum, Copenhagen. 1875.

Cestoida.*

1. *Tænia pectinata*, Goeze.
(*Lepus glacialis*.)
2. *T. expansa*, Rud.
(*Cervus tarandus*, *Ovibos moschatus*.)
3. *T. coenurus*, Kùch.
(*Canis lagopus*: Möbius, Zte deutsche Nordpolarfahrt, II., p. 258.)

Obs.—*T. canis-lagopodis* will probably also be found in the Arctic Fox in Greenland.

4. *T. armillaris*, Rud. (Greenl. *Akpab-Kuma*.)
F. Gr. 298 (*T. tordæ*, Fabr.).
Krabbe, K. D. Vid. Selsk. Skr., ser. 5, VIII., p. 259,
t. 1, f. 4-6.
(*Uria Bruennichii*.)
5. *T. sternina*, Kr.
Krabbe, l. c., p. 259, t. 1, f. 7-9.
(*Sterna macrura*.)
6. *T. larina*, Kr.
Krabbe, l. c., p. 261, t. 1, f. 16, 17.
(*Larus glaucus*, *tridactylus*.)
7. *T. micracantha*, Kr.
Krabbe, l. c., p. 262, t. 1, f. 18-21.
(*Larus glaucus*, *tridactylus*, *eburneus*.)

* *Obs.*—For the Tapeworms of *Birds* in Greenland Dr. Krabbe's "Bidrag til Kundskab om Fuglenes Bændelorme," should be consulted, and for those of the *Seals* the same author's "Helminthologiske Undersøgelser i Danmark "og paa Island," in the "Transactions of the R. Danish Academy of Sciences," vols. VII. and VIII. (1868 and 1870).

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