

AUSTRALIAN MUSEUM SCIENTIFIC PUBLICATIONS

Livingstone, Arthur A., 1927. Studies on Australian Bryozoa. No. 5. *Records of the Australian Museum* 16(1): 50–69. [7 October 1927].

doi:10.3853/j.0067-1975.16.1927.779

ISSN 0067-1975

Published by the Australian Museum, Sydney

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STUDIES ON AUSTRALIAN BRYOZOA.

No. 5.

A CHECK LIST OF THE MARINE BRYOZOA OF QUEENSLAND.

By

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It is intended that this work be considered only as a list of the marine bryozoa inhabiting the coastal waters of Queensland, the Great Barrier Reef, and the outlying islands. No attempt has been made to record full synonymy, though in some cases where a well-known species has been transferred to another genus a note of the fact has been made for clarity. An effort has been made to give the original reference to each genus and species, a reference to a well-known work possessing a good description and figure, and to the author responsible for the record of the species. For additional references no better work than Miss Jelly's catalogue could be consulted. Species with doubtful localities have been omitted.

In regard to specimens named by Busk as new from the collections of the "Rattlesnake" and altered later in the British Museum catalogue, I have considered it advisable to adhere to the names by which the species have been known since 1852. Changing well-established names leads to much confusion, though it is realized that the law of priority was not instituted to be ignored.

Modern ideas of classification have been adopted as far as considered advisable. The splitting up of the genus *Schizoporella* as Canu and Bassler (1917-20) have done, appears to be based in some cases upon characters of a variable nature. It is fully appreciated that radical changes must take place, but, at the same time, it must be borne in mind that such alterations cannot be hastened unduly, and until more has been done upon the group in question I hesitate to adopt the suggested changes in their entirety.

It was upon the advice of the late Mr. Charles Hedley, F.L.S., Director of the Great Barrier Reef Committee, Queensland, that this work was undertaken. Prior to, and during its formation, I received much valuable advice and encouragement from that gentleman, and for his kindness I wish to express my gratitude.

Phylum MOLLUSCOIDEA.

Class BRYOZOA.

Sub-Class ECTOPROCTA.

Order GYMNOLÆMATA.

Sub-Order CHEILOSTOMATA.

Family ÆTEIDÆ.

ETEA Lamouroux, Nouv. Bull. Sci. Soc. Philomat., iii, 1812, p. 184.

1. *dilatata* Busk, Ann. Mag. Nat. Hist., (2), vii, 1851, p. 85, Pl. ix, fig. 14. Busk, Brit. Mus. Cat., i, 1852, p. 31, Pl. xv, figs. 2-3.

Family BICELLARIIDÆ.

CORNUCOPINA Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 109.

2. *grandis* Busk, Voy. "Rattlesnake," i, 1852, p. 374. Brit. Mus. Cat., i, 1852, p. 42, Pl. xlv.

BUGULA Oken, Lehrbuch der Naturgeschichte, iii, Zool., i, 1815, p. 89. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 100.

3. *dentata*. *Acamarchis dentata* Lamouroux, Hist. des Polyp. Corallig. flexibles, 1816, p. 135. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. viii, 1883, p. 30. Pl. lxxviii, fig. 3. Kirkpatrick, Sci. Proc. Roy. Dublin Soc., (n.s.), vi, 10, 1890, p. 611.

4. *johnstoniæ* Gray in E. Dieffenbach's Travels in New Zealand, ii, 1843, p. 292. Busk, Brit. Mus. Cat., i, 1852, p. 43, Pl. xxx. Ortman, Archiv für Naturg., lvi, i, 1, 1890, p. 24, Pl. 1, fig. 16. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 37.

STIRPARIELLA *nom. nov.* Harmer Journ. Linn. Soc. Zool., xxxv, 1923, p. 317. *Stirparia* Goldstein, Quart. Journ. Micr. Soc. Victoria, 1, 1880, p. 75.

5. *haddoni* Kirkpatrick, Sci. Proc. Roy. Dublin Soc., (n.s.), vi, 10, 1890, p. 613, Pl. xv, fig. 4.

BEANIA Johnston, Ann. Mag. Nat. Hist., v, 1840, p. 272.

6. *hirtissima* var. *cylindrica* Hincks, Ann. Mag. Nat. Hist., (5), xvii, 1886, p. 263. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 611.

Family FARCIMINARIIDÆ.

NELLIA Busk, Brit. Mus. Cat., i, 1852, p. 18.

7. *oculata* Busk, Brit. Mus. Cat., i, 1852, p. 18, Pl. xlv, fig. 6; Pl. lxxv (bis), fig. 4. *Salicornaria dichotoma* Busk, Voy. "Rattlesnake," i, 1852, p. 367. *Farcimia oculata* Waters, Proc. Zool. Soc., 1913, p. 489, Pl. xlvii, figs. 8-9.
8. *simplex* Busk, Brit. Mus. Cat., i, 1852, p. 19, Pl. lxxv, fig. 1; Pl. lxxv (bis), fig. 3. *Salicornaria marginata* Busk, Voy. "Rattlesnake," i, 1852, p. 367.

Family FLUSTRIDÆ.

RETIFLUSTRA Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 126.

9. *cribriformis*. *Retepora cornea* Busk, Voy. "Rattlesnake," i, 1852, p. 380. *Carbasea cribriformis* Busk, Brit. Mus. Cat., 1852, p. 51, Pl. lxxviii, fig. 1. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 128.
10. *reticulum*. *Flustra reticulum* Hincks, Ann. Mag. Nat. Hist., (5), x, 1882, p. 163, Pl. vii, fig. 4. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 129, Pl. xxii, fig. 1a-c. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 611.

SPIRALARIA Busk, Quart. Journ. Micr. Sci., (n.s.), i, 1861, p. 153. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 125.

11. *denticulata*. *Flustra denticulata* Busk, Voy. "Rattlesnake," i, 1852, p. 380. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. v, 1880, p. 27, Pl. xlv, fig. 1. MacGillivray, Trans. Proc. Roy. Soc. Victoria, iv, 1860, p. 164.

Family SCRUPOCELLARIDÆ.

SCRUPOCELLARIA Van Beneden, Nouv. Mem. de l'Academie Royale de Bruxelles, xviii, 1844, p. 44.

12. *clypeata* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 37, Pl. 1, fig. 6.
13. *obtecta* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 37. MacGillivray in McCoy, Prodr. Zool. Victoria, ii, dec. xiii, 1886, p. 100, Pl. cxxvi, figs. 4-5.
14. *diadema* Busk, Voy. "Rattlesnake," i, 1852, p. 370. Busk, Brit. Mus. Cat., i, 1852, p. 24, Pl. xxviii, figs. 1-3. Ortmann, Archiv für Naturg., i, 1890, p. 22, Pl. 1, fig. 4.

15. *cervicornis* Busk, Voy. "Rattlesnake," i, 1852, p. 370. Brit. Mus. Cat., i, 1852, p. 24, Pl. xlii. MacGillivray in McCoy, Prodr. Zool. Victoria, ii, dec. xiii, 1886, p. 101, Pl. cxxvi, figs. 6-7. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 611.
16. *macandréi* Busk, Brit. Mus. Cat., i, 1852, p. 24, Pl. xxiv, figs. 1-3. "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 23, Pl. xi, fig. 4. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 37.
- TRICELLARIA Flemming, A History of British Animals, 1828, p. 540. Harmer, Journ. Linn. Soc. Zool., xxxv, 1923, p. 353.
17. *cuspidata*. *Cellularia monotrypa* Busk, Voy. "Rattlesnake," i, 1852, p. 368. *Cellularia cuspidata* Busk, Brit. Mus. Cat., i, 1852, p. 19, Pl. xxvii, figs. 1-2. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.
- CABEREA Lamouroux, Hist. des Polyp. corallig. flexibles, 1816, p. 128. Levensen, Morph. Sys. Stud. Cheil. Bryozoa, 1909, p. 134.
18. *grandis* Hincks, Ann. Mag. Nat. Hist., (5), viii, 1881, p. 2, Pl. iii, figs. 4a-b. Waters, Ann. Mag. Nat. Hist., (5), xx, 1887, p. 90. MacGillivray in McCoy, Prodr. Zool. Victoria, ii, dec. xiv, p. 137, Pl. 136, fig. 2.
19. *lata* Busk, Voy. "Rattlesnake," i, 1852, p. 378. "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 30, Pl. xi, fig. 3. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.
- AMASTIGIA Busk, Brit. Mus. Cat., i, 1852, p. 40. Harmer, Journ. Linn. Soc. Zool., xxxv, 1923, p. 329.
20. *rudis*. *Caberea rudis* Busk, Voy. "Rattlesnake," i, 1852, p. 377. Brit. Mus. Cat., i, 1852, p. 38, Pl. xlvi. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.

Family MEMBRANIPORIDÆ.

- ELECTRA Lamouroux, Hist. des Polyp. Corallig. flexibles, 1816, p. 120.
21. *bellula* Hincks, Ann. Mag. Nat. Hist., (5), vii, 1881, p. 149, Pl. viii, fig. 4. *Membranipora cervicornis* Haswell (non Busk, B.M.C., 1854), Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 38. *Membr. haswelli* nom. nov. Hincks, Ann. Mag. Nat. Hist., (5), x, 1882, p. 468.
- CALESCHARA MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. v, 1880, p. 45. Levensen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 152.

22. *rosselii*, Audouin, Expl. des planches de M. Savigny, p. 240 (69), Savigny, Zool. Egypt, Pl. x, fig. 11 (*vide* Jelly, 1889). *Membranipora rosselii* Hincks, Brit. Marine Polyzoa, 1880, p. 166, Pl. xxii, fig. 4. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 38.
- TREMOPORA Ortmann, Archiv. für Naturg., lvi, 1, 1890, p. 29.
23. *radicifera* var. *intermedia*, Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 615, Pl. xvi, figs. 1-2.
- CHAPERIA Jullien, Miss. Sci. du Cap Horn, Zool., vi, 1888, Bryozoa, p. 61.
24. *cervicornis*. *Membranipora cervicornis* Busk (non Haswell, 1880), Brit. Mus. Cat., ii, 1854, p. 60, Pl. C, fig. 3. Levensen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 115. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
25. *acanthina*. *Flustra acanthina* Quoy and Gaimard, Voy. de "l'Uranie," 1824, Zool., p. 605, Pl. lxxxix, figs. 1-2. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 617, Pl. xvi, fig. 6.
- ACANTHODESIA Canu and Bassler, U.S. Nat. Mus., Bull. 106, 1920, p. 99.
26. *savartii* Audouin, Expl. sommaire des planches de l'Égypte et de la Syrie in Savigny's descr. de l'Égypte, Hist. Nat. iii, Paris, 1826, p. 240, Pl. x, fig. 10 (*vide* Canu and Bassler, U.S. Nat. Mus., Bull., 106, 1920, p. 100). Waters, Journ. Linn. Soc., Zool., xxxi, 1909, p. 137, Pl. 11, figs. 8-13.
- ADENIFERA Canu and Bassler, U.S. Nat. Mus., Bull. 96, 1917, p. 12.
27. *armata*. *Membranipora armata* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 38, Pl. i, fig. 7. Waters, Proc. Zool. Soc., 1913, p. 486, Pl. lxvii, fig. 10; Pl. lxxi, figs. 5-10.
- ELLISINA Norman, Ann. Mag. Nat. Hist., (7), ii, 1903, p. 596.
28. *coronata* Hincks, Ann. Mag. Nat. Hist., (5), vii, 1881, p. 147, Pl. x, fig. 1. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 615.
- MAMILLOPORA Smitt, K. Svenska Vetenskaps-Akad. Handl., x, No. 11, p. 33.
29. *simplex*. *Stichopora simplex* Koschinsky, Paleontographica, xxxii, 1885, p. 64, Pl. vi, figs. 4-7 (*vide* Waters, Ann. Mag. Nat. Hist., (9), iii, 1919, p. 86). Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 623, Pl. xvii, fig. 4.

CUPULARIA Lamouroux, Expos. méthod. des genres de l'ordre des polypiers, 1821 (*vide* Robertson, Univ. Calif. Publ., Zool., iv, 5, 1908, pp. 314 and 319). Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 154.

30. *guineensis* Busk, Brit. Mus. Cat., ii, 1854, p. 98, Pl. cxiv. "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 206, Pl. xiv, fig. 6.

LUNULARIA Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 208.

31. *gibbosa*. *Lunulites gibbosa* Busk, Brit. Mus. Cat., ii, 1854, p. 100, Pl. cxii.
32. *capulus* Busk, Brit. Mus. Cat., ii, 1854, p. 100, Pl. cxii. "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 208, Pl. xiv, fig. 7a. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 198.

SELENARIA Busk, Brit. Mus. Cat., ii, 1854, p. 101.

33. *maculata* Busk, Voy. "Rattlesnake," i, 1852, Pl. 1, figs. 15-16. Brit. Mus. Cat., ii, 1854, p. 101, Pl. cxvii. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 42.
34. *punctata* Tenison-Woods, Trans. Proc. Roy. Soc. S. Australia, iii, 1880 (1870-80), p. 9, Pl. 11, fig. 8a-c. *Selenaria fenestrata* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 42. MacGillivray, Trans. Proc. Roy. Soc. Victoria, iv, 1895, p. 47, Pl. vii, figs. 8-9.

Family CRIBRILINIDÆ.

PUELLINA Jullien, Bull. Soc. Zool. France, xi, 1886, p. 607. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 159.

35. *radiata*. *Cribrilina radiata*, Moll, Die Seerinde, aus der Ordnung der Pflanzenthier, das schönste u. merkwürd Geschecht, mit neuen Arten vermehrt. Wien, 1803, p. 63, Pl. iv, fig. 7 (*vide* Canu and Bassler, U.S. Nat. Mus., Bull. 106, 1920, p. 295). Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.

Family STEGANOPORELLIDÆ.

STEGANOPORELLA Smitt, Kongl. Svenska Vetenskaps-Akad. Handl., ii, 4, 1873, p. 15.

36. *lateralis* MacGillivray, Trans. Proc. Roy. Soc. Victoria, iv, 1895, p. 53, Pl. vi, fig. 18. Harmer, Quart. Journ. Micr. Sci., (n.s.), xliii, 2, 1900, p. 242, Pl. xii, fig. 1; Pl. xiii, figs. 19-20 and 27.

37. *haddoni* Harmer, Quart. Journ. Micr. Sci., (n.s.), xlvi, 2, 1900, p. 268, Pl. xii, fig. 11; Pl. xiii, figs. 38-39.
38. *buskii* Harmer, Quart. Journ. Micr. Sci., (n.s.), xlvi, 2, 1900, p. 272, Pl. xii, fig. 13; Pl. xiii, figs. 33-35.
39. *magnilabris* Busk, Brit. Mus. Cat., ii, 1854, p. 62, Pl. lxx, fig. 4. Harmer, Quart. Journ. Micr. Sci., (n.s.), xlvi, 2, 1900, p. 279, Pl. xii, fig. 10; Pl. xiii, figs. 31 and 44-46. *Biflustra crassa* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 38, Pl. i, fig. 8.
40. *alveolata* Harmer, Quart. Journ. Micr. Sci., (n.s.), xlvi, 2, 1900, p. 287, Pl. xii, fig. 12; Pl. xiii, figs. 32, 40-41.

Family THALMOPORELLIDÆ.

THALMOPORELLA Hincks, Ann. Mag. Nat. Hist., (5), xix, 1887, p. 164.

41. *novæ-hollandiæ*. *Vincularia novæ-hollandiæ* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 41, Pl. iii, fig. 3. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 185, Pl. vi a, figs. 3a-f.
42. *rozieri* Audouin, Zool. Egypte, p. 239, Pl. 8, fig. 9 (*vide* Waters, Proc. Linn. Soc. Zool., xxxi, 1909, p. 141, Pl. xv, figs. 12-15). *var. indica* Hincks, Ann. Mag. Nat. Hist., (5), vi, 1880, p. 379, Pl. xvi, fig. 1. *Steganoporella smittii* Hincks, Brit. Marine Polyzoa, 1880, p. 178, Pl. xxiv, figs. 5-6. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
43. *rozieri var. gothica*. *Membranipora gothica* (Rylands MS.) Busk, Quart. Journ. Micr. Sci., iv, 1856, p. 167, Pl. vii, figs. 5-6. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 184. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
44. *rozieri var. sparsipuncta* Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 183, Pl. vi b, figs. 3a-b.

Family CHLIDONIIDÆ.

CHLIDONIA Savigny, Zool. Egypt, 1811, Planches, Pl. xiii (name only). d'Orbigny, Paleont. Franc. Terr. crét. Bryozoaires, 1850-52, p. 40.

45. *cordieri* Audouin, Descr. de l'Égypte, Hist. Nat., p. 242, 2nd edit., p. 74; Savigny's Pl. xiii, fig. 3, [1811] (*vide* Waters, Proc. Zool. Soc., 1913, p. 492. Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 8, Pl. xxviii, fig. 11).

Family CELLARIIDÆ.

- CELLARIA Ellis and Solander, *The Natural History of Many Curious and Uncommon Zoophytes*, 1786, p. 18. Harmer, *Journ. Linn. Soc., Zool.*, xxxv, 1923, pp. 301 and 315.
46. *dubia* Busk, "Challenger" Rep. Zool., x, pt. xxx, 1884, p. 91, Pl. xii, fig. 2 and text-fig. 10. *Salicornaria tenuirostris* Haswell, *Proc. Linn. Soc. N.S. Wales*, v, 1, 1880, p. 36.
47. *gracilis* Busk, *Brit. Mus. Cat.*, i, 1852, p. 17, Pl. lxiii, fig. 3. *Salicornaria punctata* Busk, *Voy. "Rattlesnake," i*, 1852, p. 366. Busk, "Challenger" Rep., *Zool.*, x, pt. xxx, 1884, p. 93 and text-fig. 13a.

Family CATENICELLIDÆ.

- CATENICELLA Blainville, *Manuel d'Actin. Zooph.*, 1834, p. 462.
48. *taurina* Busk, *Brit. Mus. Cat.*, i, 1852, p. 12, Pl. xi, figs. 1-4. Kirkpatrick, *Sci. Proc. Roy. Dub. Soc.*, (n.s.), vi, 10, 1890, p. 611.
49. *gibbosa* Busk, *Voy. "Rattlesnake," i*, 1852, p. 360. *Brit. Mus. Cat.*, i, 1852, p. 12, Pl. vii, figs. 3-4. Not synonymy in list of localities of *C. buskii* by Marcus (*Kungl. Sven. Vetenskaps-Akad. Handl.*, lxi, 5, 1921, pp. 9-10).
- VITTATICELLA Maplestone, *Trans. Proc. Roy. Soc. Victoria*, (n.s.), xiii, 1900, p. 203.
50. *elegans* Busk, *Voy. "Rattlesnake," i*, 1852, p. 361, Pl. i, fig. 2. Levensen, *Morph. Syst. Stud. Cheil. Bryozoa*, 1909, p. 255, Pl. xxi, fig. 2a; Pl. xiii, figs. 3a-b. Busk, *Brit. Mus. Cat.*, i, 1852, p. 10, Pl. ix. Kirkpatrick, *Sci. Proc. Roy. Dub. Soc.*, (n.s.), vi, 10, 1890, p. 611.

Family EUTHYROIDÆ.

- EUTHYROIDES Harmer, *Quart. Journ. Micr. Sci.*, (n.s.), xlvi, 2, 1902, p. 280.
51. *episcopalis* Busk, *Brit. Mus. Cat.*, i, 1852, p. 52, Pl. iv, fig. 3; Pl. xlviii, figs. 1-2. MacGillivray in McCoy, *Prodr. Zool. Victoria*, i, dec. v, 1880, p. 28, Pl. xlv, fig. 2. Haswell, *Proc. Linn. Soc. N.S. Wales*, v, 1, 1880, p. 37.

Family EUTHYRIDÆ.

- EUTHYRIS Hincks, *Ann. Mag. Nat. Hist.*, (5), x, 1882, p. 164.
52. *obtecta* Hincks, *Ann. Mag. Nat. Hist.*, (5), x, 1882, p. 165, Pl. vii, fig. 3. Levensen, *Morph. Syst. Stud. Cheil. Bryozoa*, 1909, p. 272, Pl. xv, figs. 2a-f.

Family HIPPOTHOIDÆ.

TRYPOSTEGA Levensen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 280.

53. *venusta*. *Lepralia venusta* Norman, Ann. Mag. Nat. Hist., (3), xiii, 1864, p. 84, Pl. x, figs. 2-3. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612. Waters, Proc. Zool. Soc., 1913, p. 506.

CHORIZOPORA Hincks, Ann. Mag. Nat. Hist., (5), iii, 1879, p. 156. Hincks, Brit. Marine Polyzoa, 1880, p. 222.

54. *vittata*. *Lepralia vittata* MacGillivray, Trans. Proc. Roy. Soc. Victoria, ix, 2, 1868 (1869), p. 132. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. iv, 1879, p. 25, Pl. xxxvi, fig. 1. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.

55. *brongniartii* var. *spinosa* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, pt. 10, 1890, p. 615, Pl. xvi, fig. 4.

Family ADEONIDÆ.

ADEONELLA Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 183.

56. *platalea* Busk, Brit. Mus. Cat., ii, 1854, p. 90, Pl. cv, figs. 1-3; Pl. cviii, fig. 4. Waters, Proc. Zool. Soc., 1913, p. 529, Pl. lxxiii. *Eschara hexagonalis* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 41, Pl. iii, figs. 1-2.

57. *pectinata* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 189, text-fig. 58.

58. *intricaria* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 185, Pl. xxi, fig. 2, and text-figs. 51-53. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.

RADULINA Meissner, Denksch. med.-naturw. Ges., Jena, viii, 1903, p. 731.

59. *semoni* Meissner, Denksch. med.-naturw. Ges., Jena, viii, 1903, p. 731, Pl. lxvi, figs. 1-4.

Family RETEPORIDÆ.

RETEPORA Imperato, Dell 'historia naturale, libre xxviii, Naples, 1599 (*vide* Canu and Bassler, U.S. Nat. Mus., Bull. 106, 1920, p. 500, reference in part).

60. *carinata* MacGillivray, Trans. Proc. Roy. Soc. Victoria, xx, 1884, p. 110. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. x, 1885, p. 25, Pl. 97, fig. 7. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, pt. x, 1890, p. 612.

61. *monilifera* var. *munita* Hincks, Ann. Mag. Nat. Hist., (5), 1, 1878, p. 361. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. x, 1885, p. 22, Pl. xcvi, figs. 4-8. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.

62. *monilifera* var. *munita* form *acutirostris* MacGillivray, Trans. Proc. Roy. Soc. Vict., xx, 1884, p. 109, Pl. i, fig. 4; Pl. iii, fig. 3. Meissner, Denksch, med.-naturw. Ges., Jena, Semon, Forchungr. Austr., v, viii, 1903, p. 731.
63. *monilifera* var. *umbonata* MacGillivray, Trans. Proc. Roy. Soc. Vict., xx, 1884, p. 107. MacGillivray in McCoy, Prodr. Zool. Victoria, i, dec. x, 1885, p. 23, Pl. xvii, figs. 1-3. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
64. *hirsuta* Busk, "Challenger" Rep., Zool. x, pt. xxx, 1884, p. 119, Pl. xxvi, fig. 4. Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 175, Pl. xviii, figs. 24-26.
65. *tubulata* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 121, Pl. xxviii, fig. 2 and text-fig. 32.
66. *phœnicea* Busk, Brit. Mus. Cat., ii, 1854, p. 94, Pl. cxxi, figs. 1-2. Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 124.
67. *græffei* Kirchenpauer, Mus. Godeffroy Cat., iv, 1868 (1869), p. xxx. Marcus, Kungl. Svenska Vetenskap. Handl., 61, No. 5, 1921, p. 15. *Retepora producta* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 108, Pl. xxv, fig. 7.
68. *cellulosa* Smitt, Kritisk. Fört. Öfv. Skandin. Hafs-Bryozoer, 1867, p. 35 (*fide* Jelly, 1889). Busk, Brit. Mus. Cat., ii, 1854, p. 93, Pl. cxxi, figs. 3-8; Pl. cxxiii, figs. 5-6. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 41.
- RHYNCHOZOOON *nom. nov.* Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 294. *Rhynchopora* Hincks, Brit. Marine Polyzoa, i, 1880, p. 385.
69. *longirostre* Hincks, Ann. Mag. Nat. Hist., (5), viii, 1881, p. 125, MacGillivray in McCoy, Prodr. Zool. Victoria, ii, dec. xx, 1890, p. 356, Pl. cxvii, figs. 11-14.

Family TUBUCELLARIIDÆ.

TUBUCELLARIA d'Orbigny, Paleont. Franc. Terr. crét., v, 1850-52, p. 335.

70. *cereoides* var. *chuaakensis* Waters, Journ. Linn. Soc. Zool., xxx, 1907, p. 130, Pl. xv, figs. 10-13 and 18-19; Pl. xvi, figs. 20-25. *Tubucellaria fusiformis* Busk (non d'Orbigny), "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 100.

Family ESCHARELLIDÆ.

LEPRALIA Johnston, A History of the British Zoophytes, 1st ed., 1838, p. 277.

71. *mucronata* var. *celleporoides*. *Lepralia celleporoides* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 142, Pl. xvii, fig. 4. Livingstone, Rec. Austr. Mus., xv, 2, 1926, p. 167. ? *Lepralia mucronata* Kirkpatrick (nec. Smitt), Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
72. (? *L.*) *chartacea* Lamarck, Hist. Nat. Anim. sans Vert., ii, 1816, p. 175. Lamouroux, Encyc. Méthodique, Zooph., ii, 1824, p. 374. MacGillivray, Trans. Proc. Roy. Soc. Victoria, iv, 2, 1859 (1860), p. 167, Pl. iii, figs. 1-3.
73. *lonchæa* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 146, text-fig. 43. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
74. *dorsipora* Busk; Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612 (apparently meant for *Lepralia dorsiporosa*, see *Petralia dorsiporosa*, No. 134 of this list).
75. *depressa* Busk, Brit. Mus. Cat., ii, 1854, p. 75, Pl. xci, figs. 3-4. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
76. *filamentosa* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 619, Pl. xvi, fig. 5.
77. (*L.* ?) *oculosa* Busk, "Challenger" Rep., Zool. x, pt. xxx, 1884, p. 150, Pl. xxi, fig. 8. Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 152, Pl. xiii, fig. 15; Pl. xiv, figs. 1-9 and 13.
78. *irregularis* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 39, Pl. ii, fig. 1.
79. *pertusa* Esper, Pflanz. Cellepora, p. 149, t. x, fig. 2 (*vide* Busk, Brit. Mus. Cat., ii, 1854, p. 80, Pl. lxxviii; Pl. lxxix, figs. 1-2). Hincks, Brit. Marine Polyzoa, 1880, p. 305, Pl. xliii, figs. 4-5. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 39.
80. *lateralis* MacGillivray, Trans. Proc. Roy. Soc. Victoria, (n.s.), iii, 1891, p. 80, Pl. x, fig. 3. Livingstone, Rec. Austr. Museum, xv, 1, 1926, p. 94.
81. *tuberculata* var. *avicularia* Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 93, Pl. v, figs. 1-3.

SCHIZOPORELLA Hincks, Brit. Marine Polyzoa, 1880, p. 237.

82. *ventricosa*. *Onchopora ventricosa* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36, Pl. i, fig. 3.
83. *immersa*. *Onchopora immersa* Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. 1, 1880, p. 36, Pl. i, figs. 4-5.

84. *granulosa*. *Onchopora granulosa* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.
85. *incrassata* Hincks, Ann. Mag. Nat. Hist., (5), ix, 1882, p. 124, Pl. v, figs. 1-1a. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 83.
86. *viridis* var. *thornelyi* Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 84, Pl. viii, figs. 8-9.
87. *australis* Haswell (non Tenison-Woods, 1878), Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 41, Pl. ii, figs. 7-8. Harmer, Quart. Journ. Micr. Sci., (n.s.), 46, 2, p. 303, Pl. xvii, fig. 47.
88. (? *S.*) *fenestrata* Smitt, Kongl. Svenska Vetenskaps-Akad. Handl., 1872-73, ii, p. 47. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
89. *concinna* Hincks, Ann. Mag. Nat. Hist., (6), vii, 1891, p. 289, Pl. vi, fig. 2.
90. *spinifera* var. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 39. Johnston, A History of the British Zoophytes, 2nd ed., 1847, p. 324, Pl. lvii, fig. 6 (type). Hincks, Brit. Marine Polyzoa, 1880, p. 241, Pl. xxxv, figs. 6-8 (type).
91. *assimilis*, Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 39.
92. *nivea* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 163, Pl. xvii, fig. 1. Waters, Proc. Zool. Soc., 1913, p. 502, Pl. lxx, figs. 1-3 and 7-9; Pl. lxxiii, fig. 16 and text-fig. 80. Livingstone, Rec. Austr. Museum, xv, 1, 1926, p. 85.
93. *unicornis* Johnston, A History of the British Zoophytes, 2nd ed., 1847, p. 320, Pl. lvii, fig. 1. Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 143, Pl. xii, figs. 12-13.
- PARMULARIA (Busk MS.) MacGillivray, Proc. Roy. Soc. Vict., xxiii, 1887, p. 211.
94. *obliqua* MacGillivray, Trans. Proc. Roy. Soc. Vict., ix, 2, 1868, p. 137. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 190, Pl. xxiii, figs. 1-2; Pl. xxv, fig. 1; Pl. xxvi and fig. 1.
95. *macneilli*, Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 194, Pl. xxiv, figs. 1-2; Pl. xxv, fig. 2.
96. *integer*, Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 195, Pl. xxiii, fig. 3.

97. *quadlingi* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 39, Pl. ii, figs. 1-2. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 85, Pl. vi, figs. 1-2.
- ESCHAROIDES Milne Edwards; Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 317. Hincks (Brit. Mar. Poly., 1880, p. 336) maintains that Smitt is the author of the genus yet admits that the "name originated with Milne Edwards."
98. *discus* Kirkpatrick, Ann. Mag. Nat. Hist., (6), i, 1888, p. 82, Pl. ix, figs. 6a-b. Livingstone, Australian Zoologist, iv, 4, 1926, p. 247.
99. *sauroglossa*, Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 319, Pl. xvii, figs. 6a-f in text (5a-f in expl. of plates). Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 96.
- HASWELLIA Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 171.
100. *australiensis*. *Myrionozöum australiense* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 43, Pl. iii, figs. 9-11. Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 172, Pl. xxiv, fig. 9.
- MICROPORELLA Hincks, Brit. Marine Polyzoa, 1880, p. 204.
101. *malusii* Audouin, Expl. to Savigny's plates, i, p. 239; Savigny, Egypte, Pl. viii, fig. 8 (*vide* Hincks, Brit. Marine Polyzoa, 1880, p. 211, Pl. xxviii, figs. 9-11; Pl. xxix, fig. 12). Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
102. *coronata* Audouin and Savigny, Descr. de l'Égypte, p. 239, Pl. ix, fig. 6 (*vide* Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 142, Pl. 12, figs. 6-9). *Lepralia lunifera* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, p. 40.
103. (? *M.*) *lichenoides*. *Eschara lichenoides* Milne Edwards, sur les Eschares, p. 31, Pl. ii, fig. 3 (*vide* Busk, Brit. Mus. Cat., ii, 1854, p. 90, Pl. cvi, figs. 1-3).
- INVERSIULA Jullien, Sci. Miss. du Cap Horn, vi, 1888, Zool., Bryozoa, p. 44.
104. *inversa*. *Porina inversa* Waters, Ann. Mag. Nat. Hist., (5), xx, 1887, p. 190, Pl. iv, fig. 23; Pl. v, fig. 5. *Microporella inversa* Waters, Ann. Mag. Nat. Hist., (6), iv, 1889, p. 6, Pl. 1, figs. 11-12. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, pt. x, 1890, p. 612.
- HIPPOPORINA Neviani, Bryozoi, fossili della Forn. Monte Mario presso Roma, Paleont. Italica, 1895, p. 107.
105. *porcellana var. normani* Livingstone, Rec. Austr. Museum, xv, No. 1, 1926, p. 92, Pl. viii, fig. 1.

ARTHROPOMA Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 332.

106. *cecilii*. *Schizoporella cecilii* Audouin, Zool. Egypte, p. 66 (239), Pl. viii, fig. 3 (*vide* Waters, Proc. Zool. Soc., 1913, p. 508). Hincks, Brit. Marine Polyzoa, 1880, p. 269, Pl. xliii, fig. 6. *Lepralia gandyi* Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 40.

SCHIZOMAVELLA Canu and Bassler, U.S. Nat. Mus., Bull. 96, 1917, p. 40.

107. *auriculata*. *Schizoporella auriculata* Hassal, Ann. Mag. Nat. Hist., ix, 1842, p. 411. Hincks, Brit. Marine Polyzoa, 1880, p. 260, Pl. xxix, figs. 3-9. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, pp. 612 and 617.

108. *montferrandi*. *Lepralia montferrandi* Audouin and Savigny, Descr. de l'Égypte Hist. Nat., i, p. 240, Pl. ix, fig. 14 (*vide* Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 171, Pl. xvii, figs. 15-18).

109. *Lepralia mortoni* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 40.

HIPPOPODINA Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 353.

110. *feegeensis*. *Lepralia feegeensis* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 144, Pl. xxii, fig. 9. Waters, Proc. Zool. Soc., 1913, p. 514, Pl. lxx, figs. 21-22. Livingstone, Rec. Austr. Mus., xv, 1, p. 94.

Family CONESCHARELLINIDÆ.

CONESCHARELLINA d'Orbigny, Paleont. Franc. Terr. Crét., v, 1850-52, p. 446.

111. *crassa* Tenison Woods, Trans. Proc. Roy. Soc. S. Australia, iii, 1880 (1879-80), p. 5, Pl. 1, figs. 1a-c. *Bipora crassa* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, pp. 612 and 622, Pl. xvii, fig. 5. Livingstone, Rec. Austr. Mus., xiv, 4, 1925, p. 301, Pl. xlvi and text-fig. 1.

112. *depressa* Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 41, Pl. iii, fig. 4. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 212.

113. *angulopora* Tenison Woods, Trans. Proc. Roy. Soc. S. Australia, iii, 1880 (1879-80), p. 7, Pl. 1, figs. 3a-c. *Conescharellina conica* Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 42, Pl. iii, figs. 7-8. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 205.

BIPORA Whitelegge, Proc. Linn. Soc. N.S. Wales, (2), ii, 1887, p. 340.

114. *umbonata* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 41, Pl. ii, figs. 5-6. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 209. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 98, Pl. v, figs. 4-5.

Family SMITTINIDÆ.

SMITTINA Norman, Ann. Mag. Nat. Hist., (7), xii, 1903, p. 120.

115. *trispinosa* var. *spathulata*. *Smittia reticulata* var. *spathulata* MacGillivray, Trans. Proc. Roy. Soc. Vict., xix, 1882, p. 135, Pl. iii, fig. 14. *Smittia spathulata* Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 156. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 619, Pl. xvii, fig. 1.
116. *levis* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 620, Pl. xvi, fig. 8.
117. *nitida* Verrill, American Journ. Sci., ix, 1875, p. 415, Pl. vii, fig. 3. Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 173, Pl. xvii, figs. 19-20. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 88.
118. *trispinosa* Johnston, Edin. Phil. Journ., xiii, p. 322. Hincks, Brit. Marine Polyzoa, 1880, p. 353, Pl. lxix, figs. 1-8. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 88.
119. *rostriformis* Kirkpatrick, Ann. Mag. Nat. Hist., (6), i, 1888, p. 80, Pl. viii, fig. 7. Ann. Mag. Nat. Hist., (6), v, 1890, p. 21. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 87.

PORELLA Gray, List of British Animals in the British Museum, 1848, pp. 127 and 148.

120. *areolata*. *Lepralia oculosa* var. *areolata* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 618, Pl. xvi, fig. 7. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 91, Pl. viii, figs. 2-4.
121. *fissurata* Ortmann, Archiv für Naturg., lvi, 1, 1890, p. 41, Pl. iii, fig. 14. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 92, Pl. viii, figs. 5-7.

PHYLACTELLA Hincks, Ann. Mag. Nat. Hist., (5), iii, 1879, p. 161.

122. *paradisei* Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 89, Pl. vii, fig. 1 and text-fig. 1.

Family CELLEPORIDÆ.

CELLEPORA Linné, Syst. Natur., edit. xii, i, 2, 1767, p. 1285.

123. (*C. ?*) *granulosa* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 40.
124. *fossa* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 42, Pl. iii, figs. 5-6. MacGillivray, Trans. Proc. Roy. Soc. Victoria, iv, 1895, p. 108, Pl. xiv, figs. 8-10.
125. *lævis* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 40, Pl. ii, figs. 3-4.
126. *pumicosa* Linné, Syst. Natur., edit. xii, i, 2, 1767, p. 1286. Waters, Journ. Linn. Soc. Zool., xxviii, 1900, p. 95, Pl. xii, figs. 15-16. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 40.

Family HOLOPORELLIDÆ.

HOLOPORELLA Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 159.

127. *fusca* Busk, Brit. Mus. Cat., ii, 1854, p. 88, Pl. cxix, fig. 2; Pl. cxx, fig. 6. MacGillivray in McCoy, Prodr. Zool. Victoria, dec. xvii, 1888, p. 249, Pl. 167, fig. 2. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 40.
128. *pigmentaria* Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 163, Pl. xv, figs. 16-19; Pl. xvi, figs. 9-16; Pl. xvii, figs. 22-23. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 97.
129. *aperta* Hincks, Ann. Mag. Nat. Hist., (5), ix, 1882, p. 126, Pl. v, fig. 3. Waters, Journ. Linn. Soc. Zool., xxxi, 1909, p. 161, Pl. xviii, figs. 20-23. Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 97.
130. *discoidea* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 197, Pl. xxx, fig. 8; Pl. xxxv, fig. 1.
131. *discoidea* var. *frutetosa* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., vi, 10, 1890, p. 621, Pl. xvii, fig. 3.
132. *tridenticulata* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 198, Pl. xxix, fig. 3; Pl. xxxv, fig. 7.

Family PETRALIIDÆ.

PETRALIA MacGillivray, Trans. Proc. Roy. Soc. Victoria, ix, 2, 1868, p. 141.

133. *japonica* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 143, Pl. xvii, fig. 5. Levinsen, Morph. Syst. Stud. Cheil. Bryozoa, 1909, p. 352, Pl. xviii, figs. 5a-b. Livingstone, Rec. Austr. Mus., xiv, 3, 1924, p. 196.

134. *dorsiporosa* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 143, Pl. xviii, fig. 4. Harmer, Quart. Journ. Micr. Sci., (n.s.), xlv, 2, p. 299, Pl. xvii, fig. 45.
135. *magnifica* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 158, Pl. xviii, fig. 3. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
136. *bisinuata* Smitt, Kongl. Svenska Vetenskaps-Akad. Handl., 1872-1873, p. 57. *Mucronella bisinuata* Busk, "Challenger" Rep., Zool., x, pt. xxx, 1884, p. 157, Pl. xix, fig. 5. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
137. *vultur* var. *serrata* Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 95, Pl. vi, figs. 7-10.
138. *vultur* var. *bennetti* Livingstone, Rec. Austr. Mus., xv, 1, 1926, p. 96, Pl. vi, figs. 3-6.

Order GYMNOLÆMATA.

Sub-Order CTENOSTOMATA.

Family VESCICULARIIDÆ.

- VESCICULARIA J. V. Thompson, Zool. Res., Mem. v. 1830, p. 97. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 61.
139. *papuensis* Busk, "Challenger" Rep., Zool., xvii, pt. 1, 1886, p. 36, Pl. viii, figs. 1-1c. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 61, Pl. vi, figs. 1-4.
- AMATHIA Lamouroux, Nouv. Bull. Sci. Soc. Philomat., Paris, iii, 1812, p. 184.
140. *convoluta* Lamouroux, Hist. Polyp. Corallig. flexibles, 1816, p. 160. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 64, Pl. v, figs. 1-5.
141. *tortuosa* Tenison Woods (non Busk), Proc. Roy. Soc. Vict., xvi, 1880, p. 89, fig. 6. *Amathia connexa* Busk, "Challenger" Rep., Zool., xvii, pt. 1, 1886, p. 38, Pl. 6, fig. 3.
142. ? *semispiralis* Kirchenpauer, Cat. Mus. Godeffroy, iv, 1868 (1869), p. 33. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., vi, pt. x, (n.s.), 1890, p. 612.

Family NOLELLIDÆ.

- NOLELLA P. H. Gosse, Ann. Mag. Nat. Hist., (2), xvi, 1855, p. 35.
143. *papuensis*. *Cylindræcium papuense* Busk, "Challenger" Rep., Zool., xvii, pt. 1, 1886, p. 38, Pl. viii, fig. 2. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 53, Pl. iv, figs. 10-20.

Family ALCYONIDIIDÆ.

ALCYONIDIUM Lamouroux, Ann. Mus. Hist. Nat., Paris, xx, 1813, p. 285.

144. *polyoum* Hassal, Ann. Mag. Nat. Hist., vii, 1841, p. 484.
Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 37, Pl. iii, fig. 1.

Family BUSKIIDÆ.

BUSKIA Alder, Trans. Tyneside Nat. Field Club, iii, 2, 1856, p. 156.

145. *setigera* Hincks, Journ. Linn. Soc. Zool., xxi, 1887, p. 127, Pl. xii, figs. 9-13. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 87, Pl. v, figs. 8-10.

Order GYMNOLÆMATA.

Sub-Order CYCLOSTOMATA.

Family CRISIIDÆ.

CRISIA Lamouroux, Nouv. Bull. Sci. Soc. Philomat., Paris, iii, 1812, p. 183.

146. *denticulata* Lamarck, Hist. Nat. des Anim. sans Vert., ii, 1816, p. 137. Waters, Journ. Linn. Soc. Zool., xxxi, 1910, p. 232. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 612.
147. *geniculata* Milne Edwards, Ann. Sci. Nat. Zool., (2), ix, 1838, p. 197, Pl. vi, figs. 1-1c. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 106, Pl. viii, fig. 12.
148. *terræ-reginæ* Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 35, Pl. 1, fig. 1.
149. *elongata* Milne Edwards, Ann. Sci. Nat. Zool., (2), ix, 1838, p. 203, Pl. vii, fig. 2. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 96, Pl. viii, figs. 1-8.

Family ENTALOPHORIDÆ.

ENTALOPHORA Lamouroux, Exp. Méthod. des. Gen. de l'Order des Polyp., 1821, p. 81.

150. *probiscidea* Milne Edwards, Ann. Sci. Nat., (2), ix, 1838, p. 219, Pl. xii, fig. 2. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 108, Pl. x, fig. 12.
151. *delicatula* Busk, Brit. Mus. Cat., iii, 1875, p. 20, Pl. 6b, fig. 3. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 110, Pl. x, fig. 11.

152. *intricaria* Busk, Brit. Mus. Cat., iii, 1875, p. 22, Pl. x, figs. 1-4. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 112, Pl. x, figs. 13-14.
153. *australis* var. ? Busk, Voy. "Rattlesnake," i, 1852, p. 350 (type). Busk, Brit. Mus. Cat., iii, 1875, p. 21, Pl. xvii a, left figure. Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 35 (the var. ?).
154. *fragilis* Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 35, Pl. 1, fig. 2. Waters, Ann. Mag. Nat. Hist., (5), xx, 1887, p. 259.
155. *clavæformis* Busk, Brit. Mus. Cat., iii, 1875, p. 22, Pl. xiv. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.

Family TUBULIPORIDÆ.

TUBULIPORA Lamarck, Hist. Nat. des Anim. sans Vert., ed. i, ii, 1816, p. 161.

156. ? *pulcherrima*. ? *Idmonea milneana* Haswell (non d'Orb), Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 35. Kirkpatrick, Ann. Mag. Nat. Hist., (6), v, 1890, p. 22, Pl. iv, figs. 6-6b. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 129, Pl. ix, figs. 1-5.
157. *eboracensis* Busk, "Challenger" Rep., Zool., xvii, pt. 1, 1886, p. 12, Pl. iii, fig. 4.

FILISPARSA d'Orbigny, Pal. Franc. Terr. Crét., v, 1850-52, p. 814.

158. *tubulosa*. *Hornera violacea* var. *tubulosa* Busk, Brit. Mus. Cat., iii, 1875, p. 19, Pl. xviii, fig. 4. Waters, Journ. Linn. Soc. Zool., xxxi, 1910, p. 235, Pl. xxv, figs. 16-17.

CRISINA d'Orbigny, Prodr. Pal. Stratigr., ii, 1850, p. 265 (*nom. nud.*); Pal. Franc. Terr. Crét., v, 1850-52, pp. 912 and 728.

159. *radians* Lamarck, Hist. Nat. des Anim. sans Vert., ed. i, ii, 1816, p. 183. Harmer, "Siboga" Exped., Polyzoa, i, 1915, p. 139, Pl. x, figs. 6-8.

TERVIA Jullien, Bull. Soc. Zool. France, vii, 1883, p. 500.

160. *jellyæ*. *Idmonea irregularia* Haswell (non Meneghini), Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 35. Harmer, "Siboga" Exped., Polyzoa, i, 1915, p. 143, Pl. xi, figs. 1-3.
161. (? *T.*) *marionensis* Busk, Brit. Mus. Cat., iii, 1875, p. 13, Pl. xiii, figs. 3-5; Pl. vii, figs. 7-8. Haswell, Proc. Linn. Soc. N.S. Wales, v, pt. i, 1880, p. 35.

Family HORNERIDÆ.

HORNERA Lamouroux, Expos. Méthodique des Gen. de l'Ordre des Polypiers, 1821, p. 41.

162. *cæspitosa* Busk, Brit. Mus. Cat., iii, 1875, p. 17, Pl. xv, figs. 1-3. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 149, Pl. xi, fig. 13.

RETIHORNERA Kirchenpauer, Cat. Mus. Godeffroy, iv, Hamburg, 1869, p. xxix.

163. *foliacea* MacGillivray, Trans. Proc. Roy. Soc. Vict., ix, 2, 1868 (1869), p. 142. Haswell, Proc. Linn. Soc. N.S. Wales, v, 1, 1880, p. 36.

Family CYTISIDÆ.

SUPERCYSTIS d'Orbigny, Pal. Franc. Terr. Crét., v, 1854, p. 1060.

164. *digitata* Busk, Brit. Mus. Cat., iii, 1875, p. 37, Pl. xxxiii, fig. 1.

Family LICHENOPORIDÆ.

LICHENOPORA DeFrance, Dict. Sci. Nat., xxvi, 1823, p. 256.

165. *radiata* Audouin, Egypt, Zool. Expl., p. 235, Pl. vi, fig. 3 (*fide* Hincks, Brit. Marine Polyzoa, 1880, p. 476, Pl. lxxviii, figs. 9-10. Kirkpatrick, Sci. Proc. Roy. Dub. Soc., vi, 10, 1890, p. 612).

166. *novæ-zelandiæ* Busk, Brit. Mus. Cat., iii, 1875, p. 32, Pl. xxx, fig. 2. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 155, Pl. xii, figs. 6-11.

167. *buskii* Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 161, Pl. xii, figs. 4-5.

Sub-Class ENDOPROCTA.

Family PEDICELLINIDÆ.

BARENTSIA Hincks, Ann. Mag. Nat. Hist., (5), vi, 1880, p. 285.

168. *laxa* Kirkpatrick, Sci. Proc. Roy. Dub. Soc., (n.s.), vi, 10, 1890, p. 624, Pl. xvii, fig. 6. Harmer, "Siboga" Exped., Mon. xxviii, Polyzoa, i, 1915, p. 32, Pl. ii, figs. 10-11.