

## PORIFERA: CALCAREA

Phylum **PORIFERA**Class **CALCAREA**Family **Homocoelidae****LEUCOSOLENIA BOTRYOIDES\*** (Ellis and Solander) [Arndt, 1934, p. 4]

On the shore between tide-marks, not abundant except in certain localities; Wembury Bay, very abundant, on seaweeds together with *Grantia compressa* (E.A.M.)

TORBAY. Between tide-marks (M.B.)

**LEUCOSOLENIA COMPLICATA** (Montagu) [Arndt, 1934, p. 5]

Fairly common in rock-pools between tide-marks; also in deeper water off the Mewstone and elsewhere (E.A.M.): recorded from 24 positions S.W. of Eddystone, 40-53 fm., mostly on hydroids, Cellaria and Cellepora; also on shells of Pecten and tubes of Pallasia and on Inachus (Crawshay, 1912, p. 303)

TORBAY. Between tide-marks (M.B.)

**LEUCOSOLENIA VARIABILIS** (Haeckel) [Arndt, 1934, p. 9]

Common everywhere in rock-pools between tide-marks (E.A.M.): rocks under Hoe in abundance (G.P.B.)

SALCOMBE. (M.B.)

TORBAY. Between tide-marks (M.B.)

**LEUCOSOLENIA CORIACEA\*** (Montagu) [Arndt, 1934, p. 7]

Found in small quantities nearly everywhere on rocks between tidemarks; on rocks under pier, etc. (E.A.M.): rocks under Hoe in abundance (G.P.B.): Reny Rocks (W.G. and R.A.T.): seven specimens at 5 positions S.W. of Eddystone, 42-50 fm., on shell of *Fusus* occupied by Eupagurus, on tube of Pallasia, on Inachus, on dead valve of Pecten, on Volsella (=Modiolus) (Crawshay, 1912, p. 301, as *Clathrina primordialis*)

TORBAY. Between tide-marks (M.B.)

**LEUCOSOLENIA LACUNOSA** (Johnston) [Arndt, 1934, p. 8]

Occasionally (W.G.): Rame-Eddystone Grounds, not uncommon (S.P.): only below tide-marks and in deep-water (E.A.M.): Mewstone Ledge 27.1.08; 3 specimens S.W. of Eddystone, 42-50 fm., on a shell of *Fusus*, on *Scrupocellaria* and on *Sertularella* (Crawshay, 1912, p. 302, as *Clathrina*)

TORBAY. Between tide-marks (M.B.)

**LEUCOSOLENIA CONTORTA** Bowerbank [Arndt, 1934, p. 6]

A small patch of spicules undoubtedly belonging to this species found attached to a surface section of *Reniera*, S.W. of Eddystone; one spicule apparently also of this species from another position, on a section of *Vibulinus stuposus*, 49-52 fm. (Crawshay, 1912, p. 302, as *Clathrina*)

TORBAY. Between tide-marks (M.B.)

\*It has long been suspected, and the latest revisions tend to confirm it, that *L. botryoides* should include as synonyms *L. variabilis* and *L. complicata*, and that *L. coriacea* should include *L. contorta* and possibly *L. lacunosa*. For the moment, however, they are kept separate as in the previous list. The *L. primordialis*, of the previous list, based upon identifications by L. R. Crawshay, appears to be *L. coriacea* also (M.B.)

## PORIFERA: CALCAREA

Family **Sycettidae**

## SYCON CILIATUM (Fabricius) [Arndt, 1934, P. 10]

Common at most rocky stations at low water (S.P., E.A.M.): occurs in less exposed situations than *Grantia compressa*; occurs sporadically in sublittoral, also on ships' bottoms and on *Maia squinado* (M.B.); common under the Hoe except in autumn (G.P.B.): five specimens at one, one at another position S.W. of Eddystone, 44 fm. (Crawshay, 1912, p. 303 who regards this species as synonymous with *S. coronatum*)

SALCOMBE. Dredged in Harbour (E.J.A. and R.A.T.)

TORBAY. Between tide-marks (M.B.)

## SYCON QUADRANGULATUM (Schmidt) [Arndt, 1934, p. 13]

One specimen at Wembury Bay (M.B.): one specimen S.W. of Eddystone at 42½ fm. (L.R.C.)

Family **Grantiidae**

## GRANTIA COMPRESSA (Fabricius) [Arndt, 1934, p. 15]

Common at low water on most rocky stations (S.P.): Millbay Docks, large specimens (E.J.A., R.A.T., S.P.): this form appears to be an annual; the ova develop in Feb., free larvae occur in July and sponges 3 mm. long in Sept. (G.P.B.): on bottom of "Vixen", Millbay Dock, 24.7.07 (L.R.C.): very few under Lab., a few with embryos, 20.7.09 (A.J.S.)

SALCOMBE. On the rocks at mouth of Harbour (Allen and Todd, 1900, p. 184, as Sycon)

TORBAY. Between tide-marks (M.B.)

## GRANTIA CAPILLOSA (O. Schmidt, 1862, p. 17)

At each of 9 positions S.W. of Eddystone, one to three specimens, some very young, 40-51 fm. (Crawshay, 1912, p. 304)

## LEUCONIA FISTULOSA (Johnston) [Arndt, 1934, p. 18, as Leucandra]

More than a score of specimens from Queen's Grounds, New Grounds, Rame-Eddystone Grounds, Hand Deeps, Duke Rock, Stoke Point Grounds, Looe Island, Mewstone, Wembury Bay from 1903 to 1914 (M.B.): three specimens S.W. of Eddystone, 40 fm. (Crawshay, 1912, p. 305): Eddystone Grounds, 21.9.16 (L.R.C.)

## LEUCONIA NIVEA (Grant) [Arndt, 1934, p. 19, as Leucandra]

Common between tide-marks at Wembury Bay; one specimen from Looe Island 28.7.19 (M.B.)

TORBAY. Between tide-marks (M.B.)

## LEUCONIA JOHNSTONI (Carter) [Arndt, 1934, p. 19, as Leucandra]

One specimen at Wembury Bay, 30.5.19, Looe Island 28.7.19 (M.B.)

TORBAY. Between tide-marks (M.B.)

## LEUCONIA GOSSEI (Bowerbank) [Topsent, 1937, p. 9]

Fairly common at Wembury Bay (M.B.)

TORBAY. Between tide-marks (M.B.) [also Bowerbank, 1866, p. 42]

## PORIFERA: DEMOSPONGIARIA

LEUCONIA ANANAS (Montagu) [Arndt, 1934, p. 17, as Leucandra]  
Duke Rock 22.7.17 (M.B.)

APHROCERAS CLIARENSIS (Stephens, 1912, Pt. 59, p. 14)  
Wembury Bay, April 1912, collected by J.H.O. (Dendy, 1914, p. 258): fairly common at Wembury Bay  
(M.B.): Looe Island, 19.6.13, 28.7.19 (M.B.)

UTE GLABRA Schmidt [Arndt, 1934, p. 16]  
Four specimens at Wembury Bay 18.3.19 and 30.5.19 (M.B.)

AMPHORISCUS CHRYSALIS (Schmidt) [Haeckel, 1872, p. 256]  
Between Mewstone Ledge and Yealm Point, 3.9.09 (M.B.)

Class **DEMOSPONGIARIA**

## Order TETRACTINOMORPHA

## Sub-Order HOMOSCLEROPHORA

Family **Oscarellidae**

OSCARELLA LOBULARIS (O. Schmidt) [Arndt, 1934, p. 23]  
Cawsand Bay, July 1906; Rum Bay, Dec. 1906; Reny Rocks, 18.9.07 (L.R.C.): intertidal and shallow water,  
Plymouth, Sept. 1928 (M.W.de L.): Rum Bay under stones, 8.2.24, young ova present at base of spongophore  
(J.H.O.): Wembury Bay, 13.8.19, Inner Mewstone Reefs, 13.5.11, Mewstone to Yealm. Point, 3.9.09, Looe  
Island 19.6.13 (M.B.)

THYMOSIA GUERNEI Topsent, 1895, p. 574  
Dredged Mewstone Grounds, 20 fm., April 1956 (G.R.F.)

## Sub-Order ASTROSCLEROPHORA

Family **Stellettidae**

DERCITUS BUCKLANDI (Bowerbank, 1874, 3, p. 95, as Hymeniacidon)  
Wembury Church Reef E.L.W.S.T., April 1954; under ledges near Outer Slimers, 5-6 fm., Aug. 1954 (G.R.F.)  
TORBAY. In caves or under rocks at extreme L.W.S.T. (M.B.) [Also Bowerbank, 1866, p. 266]

STELLETTA GRUBII (Schmidt) [Arndt, 1934, p. 26]  
One specimen from about 10 fm. on the south side of the Eddystone Reef, Aug. 1955 (G.R.F.)  
TORBAY. Extreme L.W.S.T. (M.B.)

STELLETTA LACTEA Carter [Topsent, 1894, p. 340, as Pilochocta]  
Wembury W. reef, under stones and boulders at E.L.W.S.T., and nearby at 3 fm. by diving (G.R.F.)

STRYPHNUS PONDEROSUS (Bowerbank) [Arndt, 1934, p. 27]  
One specimen on an Anomia shell on the underside of a stone from 9 fm. on south side of Eddystone reef; in  
crevice Wembury west reef, March 1956 (G.R.F.)

## PORIFERA: DEMOSPONGIARIA

Family **Geodiidae**

## PACHYMATISMA JOHNSTONIA (Bowerbank) [Arndt, 1934, p. 28]

Wembury Bay, Aug. 1911 (M.B.): Wembury Church Reef under ledges near L.W.S.T., April 1954; Stoke Point, moderately common in shaded situations from low-water mark downwards, Aug. 1954 (G.R.F.)

TORBAY. Extreme L.W.S. very common (M.B.) [Also Johnston, 1842, p. 244; Bowerbank, 1866, p. 51]

Family **Clavulidae**

## POLYMASTIA MAMMILLARIS (O. F. Müller) [Arndt, 1934, p. 33]

Millbay Channel; Mewstone Ledge; Yealm River (T.V.H.): Hand Deeps 5.7.09 (M.B.): 4½ m. S.E. of Mewstone (G.P.B.): 2 specimens on Pecten, from two positions S.W. of Eddystone 43-49 fm. (Crawshay, 1912, p. 306); Mewstone Ledge, 28.6.07 (L.R.C.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

TORBAY. Rarely between tide-marks at extreme L.W.S.T. (M.B.)

POLYMASTIA BOLETIFORMIS (Lamarck) [Arndt, 1934, p. 34, as *P. robusta*]

Six specimens S.W. of Eddystone at 6 different positions, 43-51 fm. (Crawshay, 1912, p. 306); Eddystone N.27E. 22 m., 11.6.06 (L.R.C.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

## POLYMASTIA AGGLUTINANS Ridley and Dendy, 1887, p. 212

Mewstone 28.6.07 (M.B.): single specimens at 6 positions, S.W. of Eddystone, 42-9 fm. (Crawshay, 1912, p. 307)

## SUBERITES DOMUNCULA (Olivi) [Arndt, 1935, p. 39]

Drake's Island 9.9.07; Duke Rock 11.2.07; Hand Deeps 5.7.09 (M.B.): Millbay Channel (T.V.H., RAT., G.P.B.): Cattewater (T.V.H.): Mewstone Grounds (T.V.H., R.A.T., G.P.B.): Eddystone Grounds; Rame-Eddystone Grounds (E.J.A.): River Yealm (E.J.A., T.V.H.): at several positions S.W. of Eddystone 40-9 fm. (Crawshay, 1912, p. 307, as *Ficulina ficus*): on piles in Millbay Dock, 22.8.07 (L.R.C.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

SALCOMBE. On the shore at Salstone, also common in dredgings in the channel, both in Kingsbridge Estuary and in Salcombe Harbour; inhabited by hermit crab (Allen and Todd, 1900, p. 185)

## SUBERITES CARNOSUS (Johnston) [Arndt, 1934, p. 38]

Duke Rock, 11.2.08; between Mewstone and Yealm Point, 3.9.09 (M.B.): two small specimens S.W. of Eddystone, 42 fm. (Crawshay, 1912, p. 308)

SUBERITES EPIPHYTUM (Lamarck) [Arndt, 1934, p. 43, as *Prosuberites*]

Asia Shoal, 5.1.10 (M.B.): Wembury, off West Reef, 3 fm. (G.R.F.)

## TERPIOS FUGAX Duchassaing and Michelotti [Arndt, 1934, p. 42]

Wembury, undersides of stones near low water, 1954 (G.R.F.)

## RHIZAXINELLA ELONGATA (Ridley and Dendy, 1887, p. 205)

One specimen S.W. of Eddystone, 44 fm. (Crawshay, 1912, p. 308)

## PORIFERA: DEMOSPONGIARIA

## CLIONA CELATA Grant [Arndt, 1934, p. 44]

Millbay Channel; Queen's Ground (T.V.H.): Millbay Dock, common on piles (R.A.T.): Mewstone Grounds (T.V.H., R.A.T.): Eddystone Grounds (E.J.A.): Rame-Eddystone Grounds (E.J.A.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.): Crawshay, 1912, p. 306, records specimens of *Cliona sp.* boring in dead shells very commonly S.W. of Eddystone, 40-49 fm.: massive non-boring form common on Stoke Point rocks from 10 fm. downwards, Aug. 1954 (G.R.F.)

SALCOMBE. Boring in shells dredged in Harbour (Allen and Todd, 1900, p. 185)

TORBAY. Boring in rocks (M.B.) [Also Bowerbank, 1866, p. 212]

Family **Tethyidae**

## TETHYA AURANTIA (Pallas) [Arndt, 1934, p. 30]

Mewstone Ledge (T.V.H., S.P.): 4½ m. S.E. of Mewstone, 26.9.94 (G.P.B.): Wembury Bay, 13.8.19, Looe Island, 19.6.13 (M.B.): one specimen S.W. of Eddystone, 50 fm. (Crawshay, 1912, p. 305, as *T. lyncurium*): 5 specimens (4 gemmulating), Revelstone Point, bearing N. by E. 3½-4 m., dredge, 24.9.25; 9 specimens (5 gemmulating, 1 studded over with little gemmules), Revelstoke Point, bearing N. by E. 4 m. about, dredge, 1. 12.25 ; several specimens studded with gemmules, Revelstoke Point, bearing N. by E., dredge, 9.2.26; 2 specimens (both with gemmules) Mewstone Ledge, dredge, 16.3.26 (A.J.S.): mouth of Plymouth Harbour, 1928 (M.W.de L.): Wembury Church Reef, very occasionally near E.L.W.S.T., April 1954; Inner Penlee Point, fairly common at around 3 fm., July 1954 (G.R.F.)

TORBAY. Between tide-marks (M.B.)

Family **Astraxinellidae**ADREUS FASCICULARIS (Bowerbank, 1874, 3, p. 45, as *Dictyocylindrus*)

Mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

## STELLIGERA STUPOSA (Montagu) [Arndt, 1934, p. 86]

Hand Deeps, Mewstone Ledge (M.B.): 4½ m. S.E. of Mewstone, 23 fm., 26.9.94 (G.P.B.): at seven positions 15-48 m. S.W. of Eddystone, 40-51 fm. (Crawshay, 1912, p. 323, as *Raspailia*)

Family **Axinellidae**AXINELLA POLYPOIDES Schmidt [Bowerbank, 1874, 3, p. 139, as *Isodictya dissimilis*]

4½m. S.E. of Mewstone, 23 fm., 26.9.94 (G.P.B.): between Mewstone and Yealm Point, 3.9.09 (M.B.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

TORBAY. [Bowerbank, 1866, pp. 240, 318]

AXINELLA INFUNDIBULIFORMIS (Linnaeus) [Arndt, 1934, p. 90, as *Tragosia*]

Mewstone Ledge, July 1911 (M.B.): Looe-Eddystone Grounds (S.P.)

## PORIFERA: DEMOSPONGIARIA

AXINELLA CALYCIFORMIS (Lamarck) [*Topsent*, 1913, p. 28, as *A. arctica*]

One, identified by M.B., from rocks at 5-6 fm. about 80 yards outside Breakwater, 2 cables from E. end, June 1954 (G.R.F.)

HOMAXINELLA SUBDOLA (Bowerbank) [*Burton*, 1930, p. 504]

Mewstone Ledge, Yealm Point, July 1907 (M.B.)

CIOCALYPTA PENICILLUS Bowerbank [*Arndt*, 1934, p. 105]

Mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.)

HYMENIACIDON PERLEVE (Montagu) [*Arndt*, 1934, p. 105, as *H. sanguinea*]

Probably the most abundant species in the littoral and sub-littoral, growing on rocks or in sand with oscular processes only exposed.

SALCOMBE. Very abundant on the Salstone and other parts of the Kingsbridge Estuary, forming large clusters on the muddy gravel of the shore (Allen and Todd, 1900, p. 185)

TORBAY. Abundant on rocks (M.B.)

ULOSA DIGITATA (Schmidt, 1866, p. 10, as *Chalina*)

Duke Rock, 8.5.02 (det. M.B.); Queener Point, about 6 fm., July 1956 (G.R.F.)

PHAKELLIA VENTILABRUM (Johnston) [*Arndt*, 1934, p. 90]

Mewstone Ledge, 6.10.02, and occasionally about the same locality (A.J.S.)

PHAKELLIA VERMICULATA (Bowerbank) [*Arndt*, 1934, p. 87, as *Bubaris*]

At seven positions, 20-40 m. S.W. of Eddystone, 44-9 fm. on *Pecten*, *Cardium*, *Lima* (Crawshay, 1912, p. 319, as *Bubaris*)

## Order CERATINOMORPHA

## Sub-Order HALISARCIDA

Family **Halisarcidae**

HALISARCA DUJARDINI Johnston, 1842, p. 192 [*Arndt*, 1934, p. 109]

Millbay Channel (G.P.B.): on *Maia squinado*, inside Drake's Island, 28.8.07 (L.R.C.)

Family **Aplysillidae**

APLYSILLA ROSEA (Barrois) [*Arndt*, 1934, p. 110]

One on rock at L.W.S.T. west of Cellars Beach (Yealm mouth), April 1954 (G.R.F.)

TORBAY. Between tide-marks (M.B.)

## Sub-Order DENDROCERATIDA

Family **Spongiidae**

DYSIDEA FRAGILIS (Montagu) [*Arndt*, 1934, p. 107]

New Grounds, 10.5.09, Hand Deep, 5.7.09, Mewstone Ledge, 14.6.07

## PORIFERA: DEMOSPONGIARIA

(M.B.): S.W. of Eddystone (L.R.C.): Wembury Church Reef, common on rocks near low water, 1954 (G.R.F.)  
TORBAY. Common between tide-marks (M.B.)

## Sub-Order HALICHONDRINA

Family **Haploscleridae**

- HALICLONA ANGULATA (Bowerbank) [Arndt, 1934, p. 91, as Gellius]  
Several specimens under ledges at about 5 fm. in Wembury Bay, Aug. 1954 (G.R.F.)  
TORBAY. One specimen in littoral zone (M.B.)
- HALICLONA ANOMALA (Bowerbank, 1874, p. 127)  
Plymouth (M.B.)
- HALICLONA ARCOFERA (Vosmaer) [Lundbeck, 1902, p. 62, as Gellius]  
Rum Bay, 18.3.08 (M.B.)
- HALICLONA CANCELLATA (Montagu) (Bowerbank, 1874, 3, p. 173, as *Chalina montagui*)  
S.W. of Eddystone, 47-52 fm. (Crawshay, 1912, p. 310, as *Siphonochalina montagui*)
- HALICLONA INDEFINITA (Bowerbank, 1874, 3, p. 126, as *Isodictya*)  
East Winter Shoal, 23.9.19; Drake's Island, 6.3.07; between Mewstone Ledge and Yealm Point, 3.9.09;  
Wembury Bay, 27.7.11 (M.B.)
- HALICLONA INDISTINCTA (Bowerbank) [Arndt, 1934, p. 94, as *Adocia*]  
Mewstone Ledge, 25.6.07 (M.B.): 6 specimens from four positions S.W. of Eddystone, on *Inachus*, *Pecten*  
and a *Chaetopterus* tube, 40-46 fm. (Crawshay, 1912, p. 312, as *Reniera*)
- HALICLONA LIMBATA (Montagu) [Bowerbank, 1874, 3, p. 172, as *Chalina*]  
Wembury Bay, 27.7.11 (M.B.)  
TORBAY (M.B.) [Also Bowerbank, 1866]
- HALICLONA MACANDREWII (Bowerbank) [Arndt, 1934, p. 95, as *Adocia*]  
Turnchapel Pier, 3.12.26; Wembury Bay, Aug. 1911 (M.B.)
- HALICLONA OCULATA (Pallas) [Arndt, 1934, p. 100]  
Millbay Pit; Wembury Bay (T.V.H.): mouth of Plymouth Harbour, Sept. 1928 (M.W.de L.): one specimen on  
*Nemertesia*, S.W. of Eddystone, 44 fm. (Crawshay, 1912, p. 313, as *Reniera pygmaea*)  
TORBAY. (M.B.)
- HALICLONA ROSEA (Bowerbank) [Arndt, 1934, p. 95, as *Adocia*]  
Rum Bay, 18.3.08, Wembury Bay, 27.7.11 (M.B.)
- HALICLONA SIMPLEX (Bowerbank) [Arndt, 1934, p. 95, as *Adocia*]  
Wembury Bay, 27.7.11 (M.B.)
- ADOCIA CINEREA (Grant) [Arndt, 1934, p. 93]  
Reny Rocks, 20.9.06; Inner Mewstone Reefs, 13.5.11 ; Wembury Bay, May 1911 ; S.W. of Eddystone, 40  
fm. (Crawshay, 1912, p. 313, as *Reniera densa*)  
TORBAY. Abundant on rocks (M.B.)

## PORIFERA: DEMOSPONGIARIA

Family **Desmacionidae**Sub-Family *Mycalinae*

## AMPHILECTUS FUCORUM (Esper) [Arndt, 1934, p. 53]

Duke Rock; mouth of Plymouth Harbour, Sept. 1928 (M.W. de L.): at five positions 7-30 m. S.W. of Eddystone, 40-7 fm. on *Sertularella gayi* Pecten, *Porella compressa*, Pallasia tube and *Inachus leptochirus* (Crawshay, 1912, p. 314, as *Esperiopsis paupera*): encrusting form on a rock dredged at Barn Pool, April 1954; massive conulose specimen from Stoke Point rocks, 14 fm., Aug. 1954 (G.R.F.)

TORBAY. (M.B.) [Also Bowerbank, 1866]

## HEMIMYCALE COLUMELLA (Bowerbank) [Forster, 1955, p. 553]

In all rocky areas below 4 fm. (G.R.F.)

## MYCALE CONTARENI (Martens) [Arndt, 1934, p. 47]

Reny Rocks 18.2.11. (M.B.)

TORBAY (M.B.)

## MYCALE MACILENTA (Bowerbank) [Arndt, 1934, p. 48]

Drake's Island, 13.3.06; Reny Rocks, Aug. 1908; Mewstone Ledge, June 1911 (M.B.): Wembury Church Reef, fairly common near L.W.S.T., 1954 (G.R.F.)

TORBAY. (M.B.) [Also Waller, 1900, p. 256, under *Rhaphiodesma minima*]

## MYCALE MINIMA (Waller) [Topsent, 1924, p. 114]

TORBAY. (Waller, 1880, p. 8, as *Raphiodesma*)

## MYCALE RETIFERA Topsent, 1924, p. 104

TORBAY. (Waller, 1880, p. 8, as *Raphiodesma*)

## MYCALE ROTALIS (Bowerbank) [Arndt, 1934, p. 50]

One on rock at 4-5 fm., Reny Rocks, Aug. 1955 (G.R.F.)

TORBAY. [Bowerbank, 1874, p. 327, under *Desmacion rotalis*]

## MYCALE SUBCLAVATA (Bowerbank) [Topsent, 1924, p. 109]

Duke Rock, 17.6.07, 8.6.11, 4.4.19; New Rock, 23.4.19; Cattewater 17.5.07; Rum Bay, 18.3.08 [in 1931 List as *M. similis*] (M.B.)

Sub-Family *Myxillinae*

## DESMACIDON FRUTICOSUM (Montagu) [Arndt, 1934, p. 73]

4½ m. S.E. of Mewstone, 23 fm., 26.9.94 (G.P.B.): Revelstoke Point, bearing N. by E. 4 m., dredge, 1.12.15, 2 specimens practically filled up with round spheres (? eggs or embryos) (A.J.S.): mouth of Plymouth Harbour, dredged, Sept. 1928 (M.W. de L.): S.W. of Eddystone, 1906 (L.R.C.)

TORBAY. (M.B.)

## MYXILLA INCRUSTANS (Johnston) [Arndt, 1934, p. 58]

At eight positions 7-46 m. S.W. of Eddystone, 40-53 fm. on *Inachus* and *Cellaria* and on hydroids and other objects (Crawshay, 1912, p. 317, as *Dendoryx*): (in 1931 List also as *M. robertsoni*); intertidal or shallow water, Plymouth, Sept. 1928 (M.W. de L.): Wembury Bay, 30.5.19, and



## PORIFERA: DEMOSPONGIARA

Mewstone Ledge (M.B., 1953): Wembury Church Reef, common near E.L.W.S.T., 1954 (G.R.F.)  
TORBAY. Between tide-marks (M.B.) [Also Bowerbank, 1874]

MYXILLA ROSACEA (Lieberkühn) [Arndt, 1934, p. 59]  
Hand Deeps, 5.7.09; intertidal or shallow water, Plymouth, Sept. 1928 (M.W. de L.)

MENYLLUS INGALLI (Bowerbank) [Arndt, 1934, p. 62, as Jophon]  
Mewstone Ledge 1907; Yealm Point 1909 (M.B.)

MENYLLUS NIGRICANS (Bowerbank) [Arndt, 1934, p. 63, as Jophon pattersoni]  
Stoke Point to Mewstone Ledge, Mewstone Ledge to Yealm Point, 1909 (M.B.): at two positions, 29-30 m. S.W. of Eddystone, 47-49 fm., attached to Lepralia and a fragment of Mactra (Crawshay, 1912, p. 317, as Dendoryx)

STYLOSTICHON BIHAMIGERUM (Waller, 1878, p. 4)  
Wembury Church Reef, one at L.W.S.T., April 1954 (G.R.F.; identified by M.B.)  
TORBAY. (Waller, loc. cit.)

STYLOSTICHON PLUMOSUM (Montagu) [Arndt, 1934, p. 80]  
Whitsand Bay 13.1.10; Reny Rocks 20.9.06, 18.12.11; Duke Rock 26.10.06, 4.9.19; Queen's Ground 29.11.07, and Mewstone 12.4.07 (M.B.): one specimen each at two positions 17-30 m. S.W. of Eddystone, 42-47 fm.; one on tubes of *Pallasia murata* and one cementing together shell fragments and gravel with Cellaria (Crawshay, 1912, p. 319): Wembury Church Reef, abundant near L.W.S.T., 1954 (G.R.F.)  
TORBAY. Between tide-marks (M.B.)

SPANIOPLON ARMATURUM (Bowerbank) [Arndt, 1934, p. 82]  
Wembury Bay, Aug. 1911 (see also Burton, 1930, p. 494, under Hymedesmia stephensi)

PHORBAS FICTITIUS (Bowerbank) [Stephens, 1921, p. 45, as Anchinoë]  
Plymouth between tide-marks (M.B.)

LEPTOLABIS LUCIENSIS Topsent, 1904, p. 184  
Plymouth (E.A.M.)

HYMEDESMIA VENETA (O. Schmidt, 1862, p. 71, as Myxilla) [Topsent, 1939, p. 4-5 and p. 7, as synonymous with *Stylostichon plumosum*]  
Hand Deeps 5.7.09 (M.B.)

HYMEDESMIA BASISPINOSA Lundbeck, 1910a, p. 64  
Wembury Church Reef, underside of a stone, near E.L.W.S.T., 6.4.54 (G.R.F.; identified by M.B.)

HYMEDESMIA BRONDSTEDI Burton, 1930, p. 497 [Arndt, 1934, p. 64, as *Stylopus dujardini*]  
Bridge at Drake's Island, 3.3.08 (M.B.): one specimen at each of two positions 30-40 m. S.W. of Eddystone, 47-52 fm., on *Chlamys opercularis* and *Inachus leptochirus* (Crawshay, 1912, p. 318, as *Dendoryx dujardini*)  
TORBAY. (M.B.)

## PORIFERA: DEMOSPONGIARIA

HYMEDESMIA PRIMITIVA Lundbeck, 1910*a*, p. 104

Drake's Island 13.3.06; Queen's Ground 26.2.28; Wembury Bay 27.7.11 (M.B.)

Sub-Family *Clathriinae*

MICROCIONA ATRASANGUINEA Bowerbank [*Arndt*, 1934, p. 78]

On shore below Laboratory, Rum Bay, Reny Rocks, but especially Millbay Dock at L.W.S.T., 25.2.24; blood red, often has *Rostanga coccinea* (feeding?) on it (J.H.O.): intertidal shallow water, Plymouth, Sept. 1928 (M.W. de L.): Wembury Church Reef, common near E.L.W.S.T., 1954 (G.R.F.)

TORBAY. Between tide-marks (M.B.)

MICROCIONA STREPSITOXIA Hope [*Arndt*, 1934, p. 79]

At about 5 fm. in Wembury Bay and just outside Breakwater, Feb. 1955 (G.R.F.)

OPHLITASPONGIA SERIATA (Grant) [*Arndt*, 1934, p. 82]

Reny Rocks 12.8.08; Wembury Bay 27.7.11, 13.3.19 (M.B.)

TORBAY. Between tide-marks (M.B.)

ANTHO INVOLVENS (Schmidt) [*Arndt*, 1934, p. 61, as *Dictyoclathria beanii*]

At 5 fm. off Stoke Point, 14.8.55 (G.R.F.)

Sub-Family *Raspailiinae*

RASPAILIA HISPIDA (Montagu) [*Arndt*, 1934, p. 83]

A score of specimens from Winter Shoal, Duke Rock and Mewstone to Yealm Point; at eleven positions, 7-48 m. S.W. of Eddystone, 47-52 fm. (Crawshay, 1912, p. 320, as *R. hispida*)

TORBAY. A single specimen between tide-marks (M.B.)

RASPAILIA RADIOSA (Bowerbank, 1874, 3, p. 51, as *Dictyocylindrus*)

Plymouth, Sept. 1928 (M.W. de L.)

RASPAILIA RAMOSA (Montagu) [*Arndt*, 1934, p. 83]

Duke Rock 22.9.19 (M.B.): four positions, 29-31 m. S.W. of Eddystone, 47-52 fm. (Crawshay, 1912, p. 321)

ENDECTYON DELAUBENFELSI Burton, 1930, p. 492

Plymouth (M.B.)

Sub-Family *Halichondriinae*

HALICHONDRIA PANICEA (Pallas) [*Arndt*, 1934, p. 103]

One of the two most common species of the intertidal zone, the other being *Hymeniacion perleve*, it is found throughout the Plymouth area, in the intertidal from mid-tidal level, and tends to be replaced below extreme L.W.N. by *H. bowerbanki*. These two species are sufficiently alike that their identification is often a matter of considerable difficulty (M.B.)

SALCOMBE. On the rocks at mouth of Harbour (Allen and Todd, 1900, p. 184)

TORBAY. Common everywhere on rocks in the littoral zone (M.B.)

## PORIFERA: DEMOSPONGIARIA

HALICHONDRIA BOWERBANKI Burton, 1930, p. 489

Everywhere abundant, tending to replace *H. panicea* below L.W.N. (M.B.)

SALCOMBE. Abundant at the south end of the Salstone, forming large masses at E.L.W.S.T. (D.P.W.)

TORBAY. (M.B.)