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A catalogue of the Coelenterate type specimens of the Zoological Museum of Amsterdam. III. Antipatharia, Pennatulacea, Stolonifera, Telestacea, Alcyonacea

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ABSTRACT

This third part of the Coelenterate type catalogue of the Zoological Museum lists 124 nominal types (27 Antipatharia, 30 Pennatulacea, 4 Stolonifera, 3 Telestacea and 60 Alcyonacea). Seventeen not previously depicted types are represented by photographic illustrations of their habit.

INTRODUCTION

The order in which the types are given is derived from Bayer (1963), as far as the systematics of suprageneric taxa is concerned. For general information on this type catalogue one is referred to the first part (van Soest, 1975).

Dr. J. Verseveldt (Zwolle) kindly checked part of the manuscript (Alcyonacea, Telestacea and Stolonifera) and made some suggestions.

Some of the types were not properly illustrated at the time of their original description. Of these, photographic representations of the habit are given. The depiction of syntypical specimens should not be interpreted as a lectotype designation, for the specimens illustrated were chosen arbitrarily.

Class ANTHOZOA
Subclass CERIANTIPATHARIA
Order ANTIPATHARIA
Family Antipathidae

Sibopathes gephura Van Pesch, 1914: 25, pl. 8 (fig. 1), text-fig. 1.

Holotype: ZMA COEL. no. 3283.

Type locality: Siboga Exped., stat. 280. The species is the type of the genus.

Bathypathes (Eubathypathes) quadribrachiata Van Pesch, 1914: 38, text-figs. 10—11; Totton, 1923: 99.

Holotype: ZMA COEL. no. 2551.

Type locality: Siboga Exped., stat. 122.

Antipathes (Euantipathes) curvata Van Pesch, 1914: 84, pl. 8 (fig. 5), text-fig. 68.

Holotype: ZMA COEL. no. 1793.

Type locality: Merauke, coll. J. W. R. Koch.

Antipathes (Aphanipathes) undulata Van Pesch, 1914: 87, pl. 8 (fig. 8), text-figs. 74—76.

Holotype: ZMA COEL. no. 2249.

Type locality: Siboga Exped., stat. 305. A fragment of the holotype has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Antipathes (Aphanipathes) indistincta Van Pesch, 1914: 89, text-figs. 77—79.

Holotype: ZMA COEL. no. 2246.

Type locality: Siboga Exped., stat. 144.

Antipathes (Aphanipathes) reticulata Van Pesch, 1914: 90, text-figs. 80—82.

Holotype: ZMA COEL. no. 2248.

Type locality: Siboga Exped., stat. 301.

Parantipathes tristicha Van Pesch, 1914: 99, text-figs. 95—97.

Holotype: ZMA COEL. no. 3005.

Type locality: Siboga Exped., stat. 173.

Parantipathes laricides Van Pesch, 1914: 104, text-figs. 102—104.

Holotype: ZMA COEL. no. 3004.

Type locality: Siboga Exped., stat. 170.

Cirripathes (Stichopathes) solorensis Van Pesch, 1914: 116, text-figs. 105—106.

Holotype: ZMA COEL. no. 3461.

Type locality: Siboga Exped., stat. 305.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914: 120.

Note: Van Pesch subdivided this new species (not a nomen novum as he erroneously stated) into a number of varieties and subvarieties, without indicating any of them as the typical variety. His diagnosis of the species is a general one, and fits all the varieties.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914 var. **asperispina** Van Pesch, 1914: 121, text-figs. 114—163.

Syntypes: 84 specimens, ZMA COEL. no. 3465.

Type localities: Siboga Exped., stat. 7, 53, 77, 173, 204, 213, 260. The specimen from stat. 204 is missing.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914, var. **lissispina** Van Pesch, 1914: 131, text-figs. 164—175.

Syntypes: 42 specimens, ZMA COEL. no. 3462.

Type localities: Siboga Exped., stat. 47, 240. The specimen from stat. 47 is missing.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914, var. **lissispinaminor** Van Pesch, 1914: 137.

Syntypes: 64 specimens, ZMA COEL. no. 3463, 3466.

Type localities: Siboga Exped., stat. 64, 117.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914 var. *longispina* Van Pesch, 1914: 134, text-figs. 176—183.

Syntypes: 8 specimens, ZMA COEL. no. 3467.

Type localities: Siboga Exped., stat. 50, 51, 184, 313, 318.

Cirripathes (Stichopathes) variabilis Van Pesch, 1914 var. *longispina* Van Pesch, 1914 subvar. *lissispina* van Pesch, 1914: 136, text-figs. 184—187.

Syntypes: 3 specimens, ZMA COEL. no. 3464.

Type localities: Siboga Exped., stat. 33, 50, 64.

Cirripathes (Stichopathes) semiglabra Van Pesch, 1914: 140, text-figs. 188—194.

Syntypes: 9 specimens, ZMA COEL. no. 3460.

Type localities: Siboga Exped., stat. 47, 204. The material from stat. 204 is missing.

Cirripathes (Stichopathes) aggregata Van Pesch, 1914: 142, text-figs. 195—196.

Holotype: ZMA COEL. no. 3457.

Type locality: Siboga Exped., stat. 213.

Cirripathes (Stichopathes) saccula Van Pesch, 1914: 143, text-figs. 197—200.

Holotype: ZMA COEL. no. 3459.

Type locality: Siboga Exped., stat. 262.

Cirripathes contorta Van Pesch, 1910: 17, pl. 2 (figs. 7—8, 10—11), pl. 3 (fig. 3), pl. 5 (figs. 1—7, 24), text-figs. 10—12. *C. (Eucirripathes) contorta*; Van Pesch, 1914: 156, pl. 8 (fig. 9), text-figs. 213—215.

Syntypes: 2 specimens, ZMA COEL. no. 2553.

Type locality: Siboga Exped., stat. 240.

Cirripathes musculosa Van Pesch, 1910: 31, pl. 3 (figs. 4, 6—9, pl. 5 (figs. 8—9), text-figs. 38—40. *C. (Eucirripathes) musculosa*; Van Pesch, 1914: 168, text-figs. 242—244.

Holotype: ZMA COEL. no. 2554.

Type locality: Siboga Exped., stat. 313.

Cirripathes nana Van Pesch, 1910: 14, pl. 1 (figs. 9, 12—20), pl. 5 (figs. 17—21), text-figs. 3—5. *C. (Eucirripathes) nana*; Van Pesch, 1914: 153, text-figs. 206—208.

Holotype: ZMA COEL. no. 2555.

Type locality: Siboga Exped., stat. 133.

Cirripathes rumphii Van Pesch, 1910: 33, pl. 4 (figs. 1—6), pl. 5 (fig. 25), text-figs. 41—44. *C. (Eucirripathes) rumphii*; Van Pesch, 1914: 170, text-figs. 245—249.

Syntypes: 5 specimens, ZMA COEL. no. 1761, 1762, 2557, 2559.

Type localities: Siboga Exped., stat. 299, 305; Komodo (don. J. de Siso).

Cirripathes rumphii Van Pesch, 1910 var. *polysticha* Van Pesch, 1910: 38. *C. (Eucirripathes) rumphii* Van Pesch, 1910 var. *polysticha*; Van Pesch, 1914: 173.

Holotype: ZMA COEL. no. 1755.

Type locality: Boleng Strait.

Cirripathes spiralis (Linnaeus, 1758) var. **aphanipathoides** Van Pesch, 1910: 30, pl. 3 (fig. 1), pl. 5 (fig. 22). *C. (Eucirripathes) spiralis* (L.) var. *aphanipathoides* Van Pesch, 1914: 168.

Syntypes: 4 specimens, ZMA COEL. no. 7419.

Type localities: Siboga Exped., stat. 274, 305, 310.

Cirripathes spiralis (Linnaeus, 1758) var. **intermedia** Van Pesch, 1910: 30. *C. (Eucirripathes)* (L.) var. *intermedia*; Van Pesch, 1914: 168.

Syntypes: 3 specimens, ZMA COEL. no. 7420.

Type locality: Siboga Exped., stat. 310.

Cirripathes spiralis (Linnaeus, 1758) var. **striata** Van Pesch, 1910: 30, pl. 3 (figs. 5, 10). *C. (Eucirripathes) spiralis* (L.) var. *striata*; Van Pesch, 1914: 168.

Syntypes: 2 specimens, ZMA COEL. no. 7421.

Type locality: Siboga Exped., stat. 310. One specimen is missing (specimen no. IX of Van Pesch).

Cirripathes translucens Van Pesch, 1910: 15, pl. 2 (figs. 1—6, 9), pl. 5 (fig. 26), text-figs. 6—9. *C. (Eucirripathes) translucens*; Van Pesch, 1914: 154, text-figs. 209—212.

Holotype: ZMA COEL. no. 2557.

Type locality: Siboga Exped., stat. 274.

Subclass OCTOCORALLIA
Order PENNATULACEA
Suborder SESSILIFLORAE
Family Veretillidae

Veretillum malayense Hickson, 1916: 48, pl. 1 (fig. 1), text-fig. 8.

Syntypes: 2 specimens, ZMA COEL. no. 3611.

Type locality: Siboga Exped., stat. 47.

Family Echinoptilidae

Echinoptilum asperum Hickson, 1916: 66, pl. 4 (fig. 23), text-figs. 10—11.

Syntypes: 3 specimens, ZMA COEL. no. 2523, 2524.

Type localities: Siboga Exped., stat. 85, 178.

Echinoptilum elongatum Hickson, 1916: 64, pl. 5 (figs. 30—31), text-figs. 10—11.

Syntypes: 4 specimens, ZMA COEL. no. 2525.

Type locality: Siboga Exped., stat. 318.

Echinoptilum minimum Hickson, 1916: 67, pl. 4 (figs. 21—22), pl. 5 (fig. 32), text-figs. 10—11.

Syntypes: 35 specimens, ZMA COEL. no. 2526, 2527.

Type locality: Siboga Exped., stat. 294.

Echinoptilum roseum Hickson, 1916: 62, pl. 3 (fig. 18), pl. 5 (fig. 29), text-figs. 10—11.

Holotype: ZMA COEL. no. 2528.

Type locality: Siboga Exped., stat. 251.

Family Kophobelemnidae

Kophobelemnmon pauciflorum Hickson, 1916: 72, pl. 2 (fig. 13), text-figs. 12—17.

Syntypes: 28 specimens, ZMA COEL. no. 2743, 2744, 2745, 2746, 2747.

Type localities: Siboga Exped., stat. 5, 85, 137, 271, 300. One specimen from stat. 137 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Sclerobelelemn mon elongatum Hickson, 1916: 90, pl. 2 (fig. 12), text-figs. 21—22.

Syntypes: 21 specimens, ZMA COEL. no. 3241, 3242.

Type localities: Siboga Exped., stat. 181, 320. One specimen from stat. 181 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Sclerobelelemn mon gravieri Hickson, 1916: 87, pl. 1 (fig. 5), text-figs. 19—20.

Syntypes: 15 specimens, ZMA COEL. no. 3243, 3244.

Type localities: Siboga Exped., stat. 51, 294. One specimen from stat. 294 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Sclerobelelemn mon magniflorum Hickson, 1916: 93, pl. 2 (figs. 10—11), text-figs. 23—24.

Syntypes: 2 specimens, ZMA COEL. no. 3245.

Type locality: Siboga Exped., stat. 137.

Family Anthoptilidae

Anthoptilum malayense Hickson, 1916: 143, pl. 7 (figs. 42—43).

Syntypes: 2 specimens, ZMA COEL. no. 2243, 5085.

Type locality: Siboga Exped., stat. 52.

Family Protoptilidae

Protoptilum celebense Hickson, 1916: 98, pl. 3 (fig. 19), pl. 6 (fig. 36), text-fig. 26.

Syntypes: 3 specimens, ZMA COEL. no. 3087, 3088, 3089.

Type localities: Siboga Exped., stat. 87, 208, 212a.

Family Chunellidae

Chunella biflora Hickson, 1916: 113, pl. 1 (figs. 2, 4).

Syntypes: 12 specimens, ZMA COEL. no. 2382, 2383, 2374.

Type localities: Siboga Exped., stat. 167, 204, 302. According to Bayer (1963: 228) the genus *Chunella* Kükenthal, 1902 is restricted to East Africa, which implies that *C. biflora* must belong to another genus, possibly *Calibelemnon* Nutting, 1908.

Family Umbellulidae

Umbellula weberi Hickson, 1916: 131, pl. 4 (fig. 24), text-figs. 29D, 29G: *Umbellula lindahli*; Broch, 1958: 262.

Holotype: ZMA COEL. no. 3598.

Type locality: Siboga Exped., stat. 18.

Suborder SUBSELLIFLORAE Family Virgulariidae

Halisceprium gustavianum Herklots, 1863 var. **parvifolia** Kölliker, 1869: 512, fig. 86. *Virgularia gustaviana*; Hickson, 1916: 176.

Four specimens, ZMA COEL. no. 3650, 3651, 3653.

Note: Kölliker described his variety *parvifolia* partly on the basis of the type specimens of Herklots' *H. gustavianum* (1863), which are in the Leiden Museum. This implies that the var. *parviflora* is the typical variety and consequently the name should be *H. g. var. gustavianum* Herklots, 1863; the present material cannot be considered as part of the type material.

Haliseceptrum gustavianum Herklots, 1863 var. **magnifolia** Kölliker, 1869: 515.

Virgularia gustaviana; Hickson, 1916: 176.

One of the two syntype specimens: ZMA COEL. no. 2660.

Type locality: probably Indonesian Archipelago. The other specimen from Penang is stated to be in the Copenhagen Museum.

Virgularia rubra Hickson, 1916: 167, pl. 7 (figs. 46—47).

Syntypes: 5 fragments, ZMA COEL. no. 3669, 3670.

Type localities: Siboga Exped., stat. 181, 240.

Scytalium balssi Hickson, 1916: 208, pl. 6 (figs. 40—41), pl. 8 (figs. 55—56), text-fig. 39.

Syntypes: 3 specimens, ZMA COEL. no. 3261

Type locality: Siboga Exped., stat. 282.

Family Pteroeididae

Pteroeides argenteum (Ellis & Solander, 1786) var. **typicum** Kölliker, 1869: 160.

One of the three "syntype" specimens: ZMA COEL. no. 3105, 3106.

Locality: Indonesian Archipelago. This is not type material as *typicum* is the typical variety of the species and consequently should be named: *P. argenteum* var. *argenteum* (Ellis & Solander, 1786).

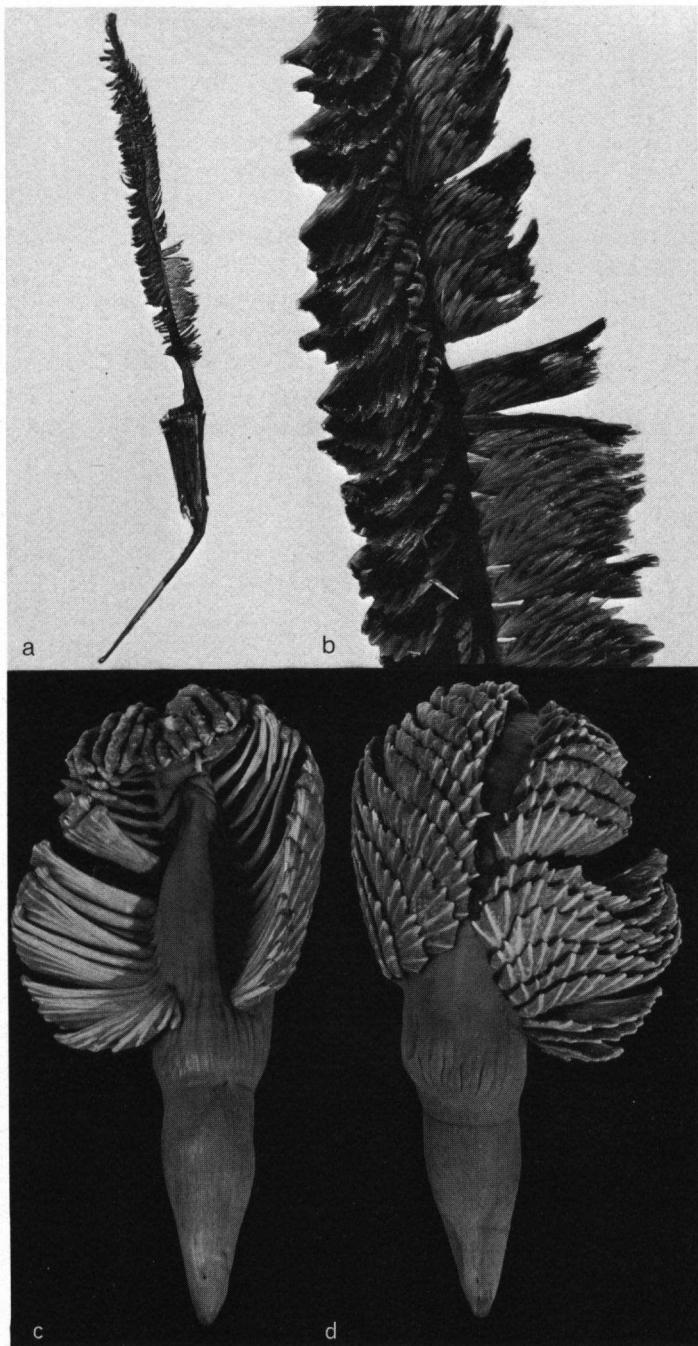


Plate 1: a. *Pteroeides argenteum* var. *durissimum* Kölliker, 1869, holotype ($\times 0.2$); b. Detail of the same ($\times 1.0$); c-d. *Pteroeides flavidum* Kölliker, 1869, one of the syntypes ($\times 1.0$).

Pteroeides argenteum (Ellis & Solander, 1786) var. **durissimum** Kölliker, 1869:

162.

Holotype: ZMA COEL. no. 5092 (Plate 1, figs. a—b).

Type locality: unknown.

Pteroeides flavidum Kölliker, 1869: 193; Hickson, 1916: 231.

Syntypes: 2 specimens, ZMA COEL. no. 3115 (Plate 1, figs. c—d).

Type locality: Java.

Pteroeides griseum (Bohadsch, 1761) var. **longespinosum** Kölliker, 1869: 178; Kükenthal & Broch, 1910: 400.

One paratype of a large type series, incorporated in various musea: ZMA COEL. no. 3117.

Type locality: unknown. The holotype is stated to be in the Copenhagen Museum.

Pteroeides hystrix Kölliker, 1869 var. **angustifolium** Kölliker, 1869: 180, fig. 24.

Holotype: ZMA COEL. no. 3121.

Type locality: unknown.

This is presumably the typical variety of the species (it is mentioned first in Kölliker's report); the name should be: *P. hystrix* var. *hystrix* Kölliker, 1869 with the present specimen as the type.

Pteroeides hystrix Kölliker, 1869 var. **latifolium** Kölliker, 1869: 181, fig. 25.

Holotype: ZMA COEL. no. 3120.

Type locality: unknown.

Pteroeides lacazii Kölliker, 1869 var. **spinosum** Kölliker, 1869: 168, fig. 15; Kükenthal & Broch, 1910: 425.

One of four syntypes: ZMA COEL. no. 3125.

Locality: unknown.

The other three specimens are stated to be in the Paris Museum and the Würzburg Museum. Again this variety is the typical one (it is mentioned first) and should be named: *P. lacazii* var. *lacazii* Kölliker, 1869.

Pteroeides malayense Hickson, 1916: 244, pl. 5 (figs. 33—34), pl. 8 (figs. 53, 57), text-figs. 41, 44.

Syntypes: 15 specimens, ZMA COEL. no. 3126, 3127, 3128, 3129, 3130, 5067.

Type localities: Siboga Exped., stat. 79, 79a, 133, 240, stat. "unknown".

One specimen from stat. 79a has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden. The specimen from stat. "unknown" is missing.

Pteroeides timorense Hickson, 1916: 240, pl. 5 (fig. 35), pl. 8 (fig. 49), text-fig. 40.

Holotype: ZMA COEL. no. 3137.

Type locality: Siboga Exped., stat. 294.

Pteroeides speciosum Kölliker, 1869: 162, fig. 13; Hickson, 1916: 236.

One of 2 syntype specimens: ZMA COEL. no. 3135.

Type locality: unknown.

The other specimen is in the Rijksmuseum van Natuurlijke Historie at Leiden.

Pteroeides tenerum Kölliker, 1869: 192, fig. 37; Kükenthal & Broch, 1910: 408; Hickson, 1916: 231.

Holotype: ZMA COEL. no. 3136.

Type locality: unknown.

Pteroeides westermannii Kölliker, 1869: 204, fig. 52. Doubtful species; Hickson, 1916: 230.

Holotype: ZMA COEL. no. 3138.

Type locality: unknown.

Gyrophyllum sibogae Hickson, 1916: 252, pl. 3 (fig. 17), pl. 8 (fig. 48), text-fig. 45.

Holotype: ZMA COEL. no. 2569.

Type locality: Siboga Exped., stat. 173.

Order STOLONIFERA
Family Clavulariidae

Clavularia delicatula Thomson & Dean, 1931: 12, pl. 7 (fig. 10), pl. 23 (fig. 4).

Holotype: ZMA COEL. no. 2385.

Type locality: Siboga Exped., stat. 12.

Clavularia expansa Thomson & Dean, 1931: 12, pl. 11 (figs. 1, 3), pl. 24 (fig. 10); Tixier-Durivault, 1964: 58.

Holotype: ZMA COEL. no. 2389.

Type locality: Siboga Exped., stat. 221.

Clavularia ornata Thomson & Dean, 1931: 13, pl. 14 (figs. 1, 5), pl. 21 (fig. 2).

Syntypes: 4 specimens (not 2 specimens as is stated above the description), ZMA COEL. no. 2387, 2388.

Type localities: Siboga Exped., stat. 45, 122.

Hicksonia koelikeri Dean, 1927: 118, figs. 1, 3; Thomson & Dean, 1931: 15.

Syntypes: numerous specimens, ZMA COEL. no. 2683, 2687, 2688, 2693, 2694, 2695, 2699, 2702.

Type localities: Siboga Exped., stat. 37, 60, 215, 250.

Several specimens have been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

The genus *Hicksonia* is synonymous with *Clavularia* according to Bayer (1963: 184).

Order TELESTACEA
Family Pseudocladochonidae

Pseudocladochonus hicksoni Versluys, 1907: 10, pl. 2 (figs. 1—7), pl. 3 (figs. 8—14), text-figs. 1—7; Madsen, 1944: 18.

Syntypes: numerous fragments, ZMA COEL. no. 3093, 3095.

Type localities: Siboga Exped., stat. 144, 166.

Pseudocladochonus mosaica Thomson & Dean, 1931: 216, pl. 15 (figs. 5, 9), pl. 27 (fig. 7). *Telestula mosaica*; Madsen, 1944: 19.

Holotype: ZMA COEL. no. 3096.

Type locality: Siboga Exped., stat. 289.

Pseudocladochonus versluysi Thomson & Dean, 1931: 217, pl. 2 (fig. 7), pl. 25
(figs. 9a—b). ? *Telestula versluysi*; Madsen, 1944: 18.

Syntypes: one specimen and fragments, ZMA COEL. no. 3097, 3098.

Type locality: Siboga Exped., stat. 144.

Order ALCYONACEA
Family Alcyoniidae

Alcyonium dendroides Thomson & Dean, 1931: 42, pl. 9 (fig. 5), pl. 15 (fig. 7).

Holotype: ZMA COEL. no. 2170.

Type locality: Siboga Exped., stat. 37.

Alcyonium molle Thomson & Dean, 1931: 43, pl. 8 (fig. 3), pl. 24 (fig. 4);
Tixier-Durivault, 1966: 31; Tixier-Durivault, 1970a: 182; Tixier-Durivault,
1970b: 120.

Holotype: ZMA COEL. no. 2187.

Type locality: Siboga Exped., stat. 60.

Alcyonium rotundum Thomson & Dean, 1931: 43, pl. 12 (fig. 1), pl. 24 (fig. 8).

Holotype: ZMA COEL. no. 2197.

Type locality: Siboga Exped., stat. 60.

Alcyonium simplex Thomson & Dean, 1931: 43, pl. 8 (fig. 2), pl. 23 (fig. 3);
Tixier-Durivault, 1966: 32; Tixier-Durivault, 1972: 17; Verseveldt, 1974:
97, fig. 1.

Holotype: ZMA COEL. no. 2198.

Type locality: Siboga Exped., stat. 47a.

Parerythropodium maristenebrosi Stiasny, 1937c: 741, pl. 1, text-fig. A; Tixier-
Durivault, 1961: 239. ? *P. coralloides*; Weinberg, 1977.

Holotype: ZMA COEL. no. 3010.

Type locality: Cape Blanco, West Africa; coll. Vermeulen.

Two paratypes are in the Paris Museum.

Bathyaleyon robustum Versluys, 1906b: 549, figs. 1—4; Bock, 1938: 8; Bayer,
1963: 188.

Holotype: ZMA COEL. no. 5046.

Type locality: Siboga Exped., stat. 170.

Nidalia duriuscula Thomson & Dean, 1931: 36, pl. 1 (fig. 8), pl. 25 (fig. 6).

Syntypes: 2 specimens, ZMA COEL. no. 2974.

Type localities: Siboga Exped., stat. 51, 251.

Nidalia grayi Thomson & Dean, 1931: 37, pl. 2 (fig. 2).

Syntypes: 2 specimens, ZMA COEL. no. 2976.

Type localities: Siboga Exped., stat. 164, 310.

Nidalia splendens Thomson & Dean, 1931: 38, pl. 1 (fig. 7), pl. 6 (fig. 9), pl. 25
(fig. 8).

Holotype: ZMA COEL. no. 2980.

Type locality: Siboga Exped., stat. 251.

Sarcophytum convolutum Thomson & Dean, 1931: 63, pl. 11 (fig. 7), pl. 23 (fig. 1). *Sarcophyton elegans*; Tixier-Durivault, 1958: 28. *S. acutangulum*; Verseveldt, 1960: 220; Verseveldt, 1971: 24.

Syntypes: 3 specimens, ZMA COEL. no. 3161, 3162.

Type localities: Siboga Exped., stat. 144, 257, 273.

The genus name should be *Sarcophyton* according to Moser, 1919.

Sarcophytum spongiosum Thomson & Dean, 1931: 64, pl. 21 (figs. 3—4). *Sarcophyton spongiosum*; Tixier-Durivault, 1958: 56; Tixier-Durivault, 1966: 41; Verseveldt, 1960: 227; Tixier-Durivault, 1972: 20.

Syntypes: 2 specimens (fragments), ZMA COEL. no. 3204.

Type locality: Siboga Exped., stat. 142.

Sarcophytum tenuispiculatum Thomson & Dean, 1931: 64, pl. 22 (fig. 6). *Sarcophyton tenuispiculatum*; Tixier-Durivault, 1958: 24; Verseveldt, 1960: 229; Tixier-Durivault, 1970a: 233.

Holotype: ZMA COEL. no. 3205.

Type locality: Siboga Exped., stat. 64.

Sarcophytum trocheliophorum Von Marenzeller, 1886 var. **minus** Thomson & Dean, 1931: 62, pl. 2 (fig. 11), pl. 22 (fig. 5). *S. crassocaule*; Roxas, 1933: 370; Verseveldt, 1960: 224.

Syntypes: 23 specimens, ZMA COEL. no. 3206, 3211, 3212, 3215, 3216, 3222, 3224, 3225, 3229.

Type localities: Siboga Exped., stat. 50, 60, 89, 115, 131, 213, 240, 252, 279, 299, 301. The specimens from stat. 89 and 301 are missing. One specimen from stat. 115 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Lobularia globuliferoidea Thomson & Dean, 1931: 41, pl. 8 (fig. 4), pl. 21 (fig. 5); Tixier-Durivault, 1948: 88. *Cladiella globuliferoidea*; Utinomi, 1959: 310.

Syntypes: 2 specimens, ZMA COEL. no. 2820.

Type locality: Siboga Exped., stat. 125.

Family Nephtheidae

Nephthya capnelliformis Thomson & Dean, 1931: 90, pl. 10 (fig. 1), pl. 23 (fig. 7); Utinomi, 1954: 63; Tixier-Durivault, 1966: 288; Tixier-Durivault, 1970a: 301.

Holotype: ZMA COEL. no. 2925.

Type locality: Siboga Exped., stat. 60.

The genus name should be *Nephthea* according to Roxas, 1933.

Nephthya cervispiculosa Thomson & Dean, 1931: 91, pl. 10 (fig. 4), pl. 22 (fig. 8).

Syntypes: 9 specimens, ZMA COEL. no. 2926, 2927, 2928, 2929, 2930, 2931.

Type localities: Siboga Exped., stat. 43, 49, 50, 104, 133, 209, 303.

Nephthya gracillima Thomson & Dean, 1931: 93, pl. 13 (fig. 1). Macfadyen, 1936: 57. *Nephthea gracillima*; Verseveldt, 1973: 143.

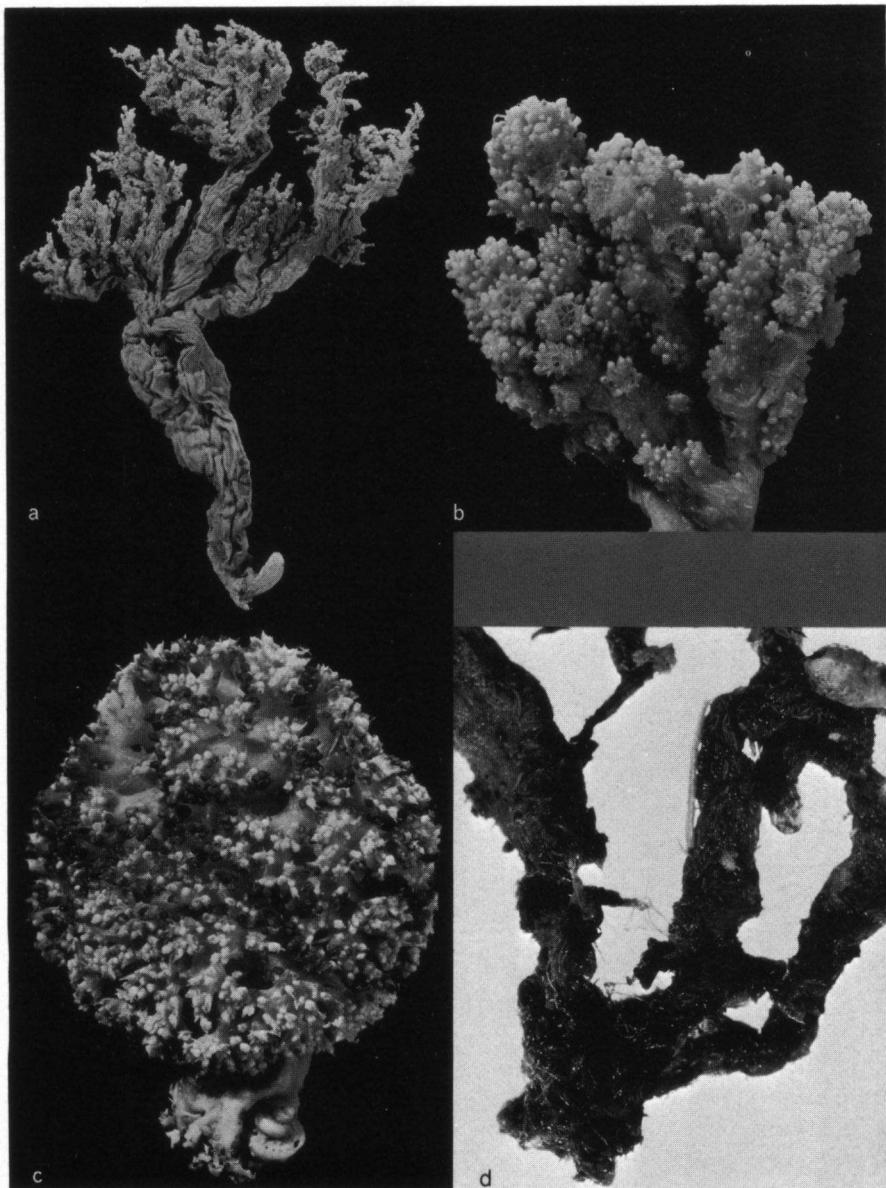


Plate 2: a. *Nephthya gracillima* Thomson & Dean, 1931, one of the syntypes ($\times 1.0$); b. *Nephthya sibogae* Thomson & Dean, 1931, one of the syntypes ($\times 1.0$); c. *Dendronephthya rubescens* Thomson & Dean, 1931, one of the syntypes ($\times 2.0$); d. *Stereonephthya divergens* Thomson & Dean, 1931, holotype ($\times 3.0$).

Syntypes: 2 specimens, ZMA COEL. no. 2947, 2950 (Plate 2, fig. a).

Type localities: Siboga Exped., stat. 213, 258.

Nephthya gracillima Thomson & Dean, 1931; var. *minor* Thomson & Dean, 1931: 94.

Holotype: ZMA COEL. no. 2949.

Type locality: Siboga Exped., stat. 213.

Nephthya juniperæ Thomson & Dean, 1931: 94, pl. 17 (figs. 1, 5).

Syntypes: 3 specimens, ZMA COEL. no. 2952, 2953.

Type localities: Siboga Exped., stat. 60, 258.

Nephthya sibogae Thomson & Dean, 1931: 95. *Nephthea sibogae*; Tixier-Durivault, 1970a: 301.

Syntypes: 2 specimens, ZMA COEL. no. 2955, 2956 (Plate 2, fig. b).

Type localities: Siboga Exped., stat. 115, 301.

Dendronephthya amoebisclera Thomson & Dean, 1931: 127, pl. 1 (figs. 3, 5), pl. 21 (fig. 7), pl. 28 (fig. 1). *Morchellana amoebisclera*; Tixier-Durivault & Prevorsek, 1962: 201.

Syntypes: 7 specimens, ZMA COEL. no. 2403.

Type localities: Siboga Exped., stat. 51, 302.

Note: According to Tixier-Durivault & Prevorsek (1959) the genus *Dendronephthya* Küenthal, 1905 should be divided into three genera: *Spongodes* Lesson, 1831, *Morchellana* Gray, 1862 and *Roxasia* Tixier-Durivault & Prevorsek, 1957. Utinomi (1962) and Verseveldt (1965) do not accept this division and distinguish only three subgenera: *Dendronephthya*, *Morchellana* and *Roxasia*.

Dendronephthya annectens Sherriffs, 1922: 72, pl. 3 (figs. 27—28); Thomson & Dean, 1931: 123, pl. 20 (figs. 13—14), pl. 28 (fig. 2). *Morchellana annectens*; Tixier-Durivault & Prevorsek, 1962: 101.

Holotype: ZMA COEL. no. 2404.

Type locality: Siboga Exped., stat. unknown.

Dendronephthya armifer Thomson & Dean, 1931: 131, pl. 26 (fig. 2). *Morchellana armifer*; Tixier-Durivault & Prevorsek, 1962: 112.

Holotype: ZMA COEL. no. 2405.

Type locality: Siboga Exped., stat. "unknown".

Dendronephthya flammea Sherriffs, 1922: 56, fig. 16; Thomson & Dean, 1931: 119, pl. 20 (fig. 2); Roxas, 1933: 448. *Roxasia flammea*; Tixier-Durivault & Prevorsek, 1960: 148.

Syntypes: 2 specimens, ZMA COEL. no. 2426, 7345.

Type localities: Siboga Exped., stat. 91, 315?

In the collection there are two specimens, one from stat. 91 and one from stat. 315 (according to the labels). Thomson & Dean state that there are two specimens from stat. 91 only.

Dendronephthya halterosclera Thomson & Dean, 1931: 119, pl. 1 (fig. 1), pl. 26 (fig. 3). *Roxasia halterosclera*; Tixier-Durivault & Prevorsek, 1960: 142.

Syntypes: 2 specimens, ZMA COEL. no. 2444.

Type localities: Siboga Exped., stat. 305, 310.

Dendronephthya inhacaensis Verseveldt, 1960: 511, figs. 1—2.

Holotype: ZMA COEL. no. 2453.

Type locality: Inhaca Island near Lourenço Marquez; coll. C. J. van der Horst, VI—1936.

Dendronephthya intermedia Thomson & Dean, 1931: 107, pl. 1 (figs. 2—6).

Spongodes intermedia; Tixier-Durivault & Prevorsek, 1962: 27.

Syntypes: 4 specimens, ZMA COEL. no. 2454.

Type localities: Siboga Exped., stat. 164, 172.

One specimen from stat. 164 is missing.

Dendronephthya (Dendronephthya) noumeensis Verseveldt, 1974: 111, pl. 5 (fig. 1), text-figs. 10—11.

Holotype: ZMA COEL. no. 7433.

Paratype: ZMA COEL. no. 7434.

Type locality: Near Nouméa, New Caledonia; coll. M. Wijsman-Best, 25—V—1968.

Dendronephthya reticulata Thomson & Dean, 1931: 134, pl. 3 (fig. 6). *MorcheLLana reticulata*; Tixier-Durivault & Prevorsek, 1962: 223.

Holotype: ZMA COEL. no. 2475.

Type locality: Siboga Exped., stat. 79a.

Dendronephthya rubescens Thomson & Dean, 1931: 139. *MorcheLLana rubescens*; Tixier-Durivault & Prevorsek, 1962: 173.

Syntypes: 3 specimens, ZMA COEL. no. 2476 (Plate 2, fig. c).

Type locality: Siboga Exped., stat. 274.

Dendronephthya simplex Sherriffs, 1922: 75, pl. 3 (fig. 29). Thomson & Dean, 1931: 142, pl. 20 (fig. 5). *MorcheLLana simplex*; Tixier-Durivault & Prevorsek, 1962: 233.

Holotype: ZMA COEL. no. 2477.

Type locality: Siboga Exped., stat. unknown.

Dendronephthya weberi Verseveldt, 1966: 52, pl. 9 (fig. 2). (Originally identified as *D. mirabilis*; Thomson & Dean, 1931: 114).

Holotype: ZMA COEL. no. 1848.

Type locality: Siboga Exped., stat. 260.

Dendronephthya (Dendronephthya) wijsmanae Verseveldt, 1974: 113, pl. 4 (fig. 1), text-figs. 12—13.

Holotype: ZMA COEL. no. 7428.

Type locality: Near Nouméa, New Caledonia; coll. M. Wijsman-Best, 15—VII—1968.

Umbellulifera petasites Thomson & Dean, 1931: 82, pl. 1 (fig. 4), pl. 21 (fig. 11).

Syntypes: 3 specimens, ZMA COEL. no. 3599, 3600.

Type localities: Siboga Exped., stat. 19, 49a.

Lemnalia laevis Thomson & Dean, 1931: 77, pl. 14 (figs. 7—8); Tixier-Durivault, 1966: 258. *L. africana*; Verseveldt, 1969: 16.

Syntypes: 4 specimens (fragm.), ZMA COEL. no. 2752, 5296, 5300.

Type localities: Siboga Exped., stat. 89, 104, 315.

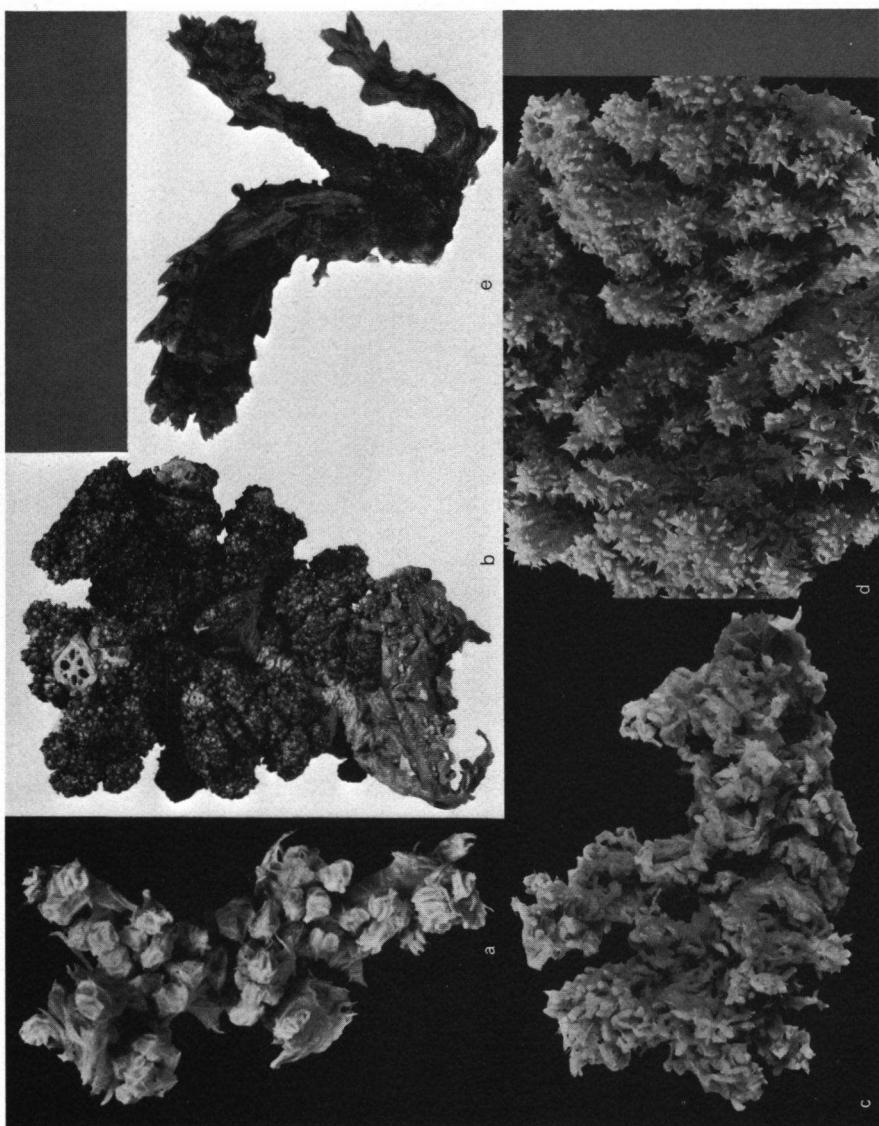


Plate 3: a. *Stereonephthya pedunculata* Thomson & Dean, 1931, one of the syntypes ($\times 2.5$); b. *Stereonephthya sierra* Thomson & Dean, 1931, holotype ($\times 1.0$); c. *Stereonephthya spicata* Thomson & Dean, 1931, one of the syntypes ($\times 1.2$); d. *Stereonephthya ulicoides* Thomson & Dean, 1931, one of the syntypes ($\times 1.2$); e. *Siphonogorgia densa* Chalmers, 1928, one of the syntypes ($\times 4.0$).

Lemnalia squamifera Thomson & Dean, 1931: 77, pl. 15 (fig. 10), pl. 27 (fig. 8).

Holotype: ZMA COEL. no. 2760.

Type locality: Siboga Exped., stat. 248.

Stereonephtha bellissima Thomson & Dean, 1931: 143, pl. 7 (figs. 2—5); Roxas, 1933: 460.

Syntypes: 2 specimens (broken into fragments), ZMA COEL. no. 3444.

Type locality: Siboga Exped., stat. "unknown".

Stereonephtha divergens Thomson & Dean, 1931: 144.

Holotype: ZMA COEL. no. 3445 (Plate 2, fig. d).

Type locality: Siboga Exped., stat. "unknown".

Stereonephtha ilex Thomson & Dean, 1931: 144, pl. 27 (fig. 6).

Holotype: ZMA COEL. no. 3446.

Type locality: Siboga Exped., stat. "unknown".

Stereonephtha imbricans Thomson & Dean, 1931: 145, pl. 7 (figs. 9, 11).

Syntypes: 5 specimens, ZMA COEL. no. 3447, 3448, 3449.

Type localities: Siboga Exped., stat. 164, 310, 315.

Stereonephtha pedunculata Thomson & Dean, 1931: 146.

Syntypes: 2 specimens, ZMA COEL. no. 3452 (Plate 3, fig. a).

Type localities: Siboga Exped., stat. 260, 305.

One specimen from stat. 260 is missing, but the collection contains one other specimen from stat. 289. The possibility that either the label in the collection or the locality given in the Siboga Monograph is wrong, cannot be excluded.

Stereonephtha sierra Thomson & Dean, 1931: 147.

Holotype: ZMA COEL. no. 3453 (Plate 3, fig. b).

Type locality: Siboga Exped., stat. 273.

Stereonephtha spicata Thomson & Dean, 1931: 148.

Syntypes: 2 specimens, ZMA COEL. no. 3454, 3455 (Plate 3, fig. c).

Type localities: Siboga Exped., stat. 50, 303.

The specimen from stat. 303 is missing, but the collection contains another specimen from stat. 164. The possibility that either the label in the collection or the locality given in the Siboga Monograph is wrong, cannot be excluded.

Stereonephtha ulicoides Thomson & Dean, 1931: 149; Verseveldt, 1966: 77.

Syntypes: 2 specimens (fragm.), ZMA COEL. no. 3456 (Plate 3, fig. d).

Type locality: Siboga Exped., stat. "unknown" (60?).

Family Siphonogorgiidae

Siphonogorgia densa Chalmers, 1928: 165; Thomson & Dean, 1931: 168.

Syntypes: 2 specimens, ZMA COEL. no. 3348 (Plate 3, fig. e).

Type locality: Siboga Exped., stat. "unknown".

Note: The descriptions of all *Siphonogorgia* species studied by Chalmers have been literally included in Thomson & Dean's Monograph.

Siphonogorgia eminens Chalmers, 1928: 166; Thomson & Dean, 1931: 168.



Plate 4: a. *Siphonogorgia eminens* Chalmers, 1928, holotype (fragment) ($\times 1.5$); b. *Siphonogorgia pauciflora* Chalmers, 1928, one of the syntype fragments ($\times 1.5$); c. *Siphonogorgia simplex* Chalmers, 1928, holotype ($\times 1.5$); d. *Siphonogorgia obtusa* Chalmers, 1928, one of the syntypes ($\times 1.5$); e. *Siphonogorgia grandior* Chalmers, 1928, one of the syntypes ($\times 1.5$); f. *Siphonogorgia rugosa* Chalmers, 1928, one of the syntypes ($\times 1.5$).

Holotype: (4 fragments), ZMA COEL. no. 3349 (Plate 4, fig. a).

Type locality: Siboga Exped., stat. 260.

One of the fragments is missing.

Siphonogorgia grandior Chalmers, 1928: 167; Thomson & Dean, 1931: 169.

Syntypes: 3 specimens, ZMA COEL. no. 3352, 3353 (Plate 4, fig. e).

Type locality: Siboga Exped., stat. 289.

Siphonogorgia obspiculata Chalmers, 1928: 164; Thomson & Dean, 1931: 172, pl. 4 (fig. 5), pl. 25 (fig. 1).

Syntypes: 4 specimens, ZMA COEL. no. 3363, 3364.

Type localities: Siboga Exped., stat. 260, 289.

One of the three specimens from stat. 289 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Siphonogorgia obtusa Chalmers, 1928: 167; Thomson & Dean, 1931: 173.

Syntypes: 2 specimens, ZMA COEL. no. 3365, 3366 (Plate 4, fig. d).

Type localities: Siboga Exped., stat. 144, 310.

Siphonogorgia pauciflora Chalmers, 1928: 168; Thomson & Dean, 1931: 174.

Syntypes: numerous fragments, ZMA COEL. no. 3368 (Plate 4, fig. b).

Type locality: Siboga Exped. stat. 289.

Siphonogorgia ramosa Chalmers, 1927: 163; Thomson & Dean, 1931: 174, pl. 4 (figs. 8—9), pl. 25 (fig. 3).

Syntypes: 3 specimens, ZMA COEL. no. 3371, 3372, 3373.

Type localities: Siboga Exped., stat. 204, 310.

Siphonogorgia rugosa Chalmers, 1928: 164; Thomson & Dean, 1931: 175.

Syntypes: 5 specimens, ZMA COEL. no. 3374, 3375, 3376 (Plate 4, fig. f).

Type localities: Siboga Exped., stat. 166, 204, 260.

Siphonogorgia simplex Chalmers, 1928: 166; Thomson & Dean, 1931: 176.

Holotype: ZMA COEL. no. 3377 (Plate 4, fig. c).

Type locality: Siboga Exped., stat. 260.

Cactogorgia simpsoni Thomson & Dean, 1931: 184, pl. 15 (fig. 6), pl. 27 (fig. 3). *Nidalia occidentalis*; Utinomi, 1958: 105.

Holotype: ZMA COEL. no. 2276.

Type locality: Siboga Exped., stat. 289.

Scleronephthya flexilis Thomson & Simpson, 1909 var. *compacta* Thomson & Dean, 1931: 180, pl. 15 (fig. 11), pl. 22 (fig. 7).

Syntypes: 16 specimens, ZMA COEL. no. 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254.

Type localities: Siboga Exped., stat. 164, 279.

Family Maasellidae

Note: Recently, Weinberg (1977) pointed out that Bayer's (1954) family Vi-
guieriotidae is synonymous with Poche's (1914) family Maasellidae.

Studeriotes debilis Thomson & Dean, 1931: 187, pl. 6 (fig. 5), pl. 13 (fig. 2), pl. 16 (fig. 4).

Syntypes: 2 specimens, ZMA COEL. no. 3477.

Type locality: Siboga Exped., stat. 114.

Studeriores spinosa Thomson & Dean, 1931: 188, pl. 6 (fig. 11), pl. 13 (figs. 3—4, 7).

Syntypes: 10 specimens, ZMA COEL. no. 3483, 3484, 3485, 3486, 3487, 3488.

Type localities: Siboga Exped., stat. 47, 60, 114, 133, 240, 285. One of the four specimens from stat. 114 has been donated to the Rijksmuseum van Natuurlijke Historie at Leiden.

Family Xeniidae

Xenia novaecaledoniae Verseveldt, 1974: 119, fig. 17.

Holotype and two paratypes: ZMA COEL. no. 7426.

Type locality: Banc Gail, Nouméa, New Caledonia, depth 30 m; coll. M. Wijsman-Best, 1—V—1968.

Anthelia simplex Thomson & Dean, 1931: 11, pl. 14 (fig. 4).

Holotype: ZMA COEL. no. 2231.

Type locality: Siboga Exped., stat. 240.

Cespitularia simplex Thomson & Dean, 1931: 33, pl. 24 (fig. 3); Macfadyen, 1936: 27.

Syntypes: 3 specimens, ZMA COEL. no. 2344.

Type locality: Siboga Exped., stat. 40.

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