

## Annotated catalogue of Porifera type specimens in the Belgian national collections

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### Abstract

The national zoological collections of Belgium house 161 type specimens representing a total of 64 nominal species of Porifera. A list of extant and lost specimens is provided, presenting their original name, synonyms, museum characteristics and bibliography.

**Key words :** Collections, Type specimens, Porifera.

### Résumé

Les collections zoologiques nationales belges regroupent 161 spécimens types représentant un total de 64 espèces nominales de Porifera. Une liste des spécimens préservés et perdus est présentée, avec leur nom original, synonymes, caractéristiques muséologiques et une bibliographie.

**Mots-clés :** Collections, Spécimens types, Porifera.

### Introduction

The Belgian collections of Porifera type specimens are held in two scientific institutions : the Royal Belgian Institute of Natural Sciences (RBINSc) and the Musée Royal de l'Afrique Centrale (MRAC).

The Porifera collection of the RBINSc houses specimens collected during national scientific expeditions between 1897 and 1936. These are the Journey of the S.Y. Belgica in the Antarctic from 1897 to 1899 (TOPSENT, 1901a; 1901b), the Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies in 1929 (BRØNDSTED, 1934) and the 9th cruise of the Belgian Training Ship Mercator from 1935 to 1936 (ADAM, 1937). Some additional specimens were occasionally donated from other sources (THUM, 1903; TOPSENT, 1912).

The collection of the MRAC houses African freshwater specimens collected from 1911 to 1974 (BRIEN, 1967; 1968a; 1968b; 1969; 1970; 1972; 1974; BRIEN & GOVAERT-MALLEBRANCKE, 1958; BURTON, 1938a; JAFFÉ, 1916). In addition, the MRAC houses an extensive collection of marine demosponges made by J. BOUILLON during three expeditions organized by the Musée Royal de l'Afrique Centrale and the Université Libre de Bruxelles, to the Seychelles in 1966 and 1972 (THOMAS, 1973;

1981), and to the Mozambique in 1969 (THOMAS, 1979). Some additional freshwater type specimens were occasionally deposited (BURTON, 1938a; WELTNER, 1913).

The collections house 161 type specimens corresponding to 64 nominal species. In the following catalogue, Hexactinellida and Demospongiae are successively presented, with a distinction between marine and freshwater Demospongiae. Within each category, specimens are listed according to the alphabetical order of the original genera. The abbreviations "POR" or "MRAC" allow to recognize to which collection each specimen belongs.

Main bibliographical characteristics, reference numbers, original status and synonyms are given for each specimen, followed by their mode of preservation (dry or alcohol preserved) and their origin (type locality and collector).

### Abbreviations used

- CMFRI = Central Marine Fisheries Research Institute, Cochin 18, India.  
POR = Porifera collection of the Royal Belgian Institute of Natural Sciences  
MRAC = Musée Royal de l'Afrique Centrale, Steenweg op Leuven, B-1980 Tervuren.  
RBINSc = Royal Belgian Institute of Natural Sciences, Rue Vautier, 29, B-1040 Brussels.  
ULB = Université Libre de Bruxelles, Avenue F.D. Roosevelt, B-1050 Brussels.

### List of species

#### HEXACTINELLIDA

*Eurete gerlachei* TOPSENT, 1901b : 38,  
pl. 2, fig. 4, pl. 5, figs. 2-9.

POR.001 - 2 bits of the syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, samples 557, 723 &

984 (Fauberts VII, VIII & IX), Antarctic Ocean, 70°1' S to 70°23' S - 80°48' W to 83°23' W, 8 Oct. to 29 Oct. 1898, 450 - 550 m.

Remark : although TOPSENT mentions three specimens, each one corresponding to a station, only two paratypes were deposited at the RBINSc, initially labelled as "cotypes", in the same jar.

*Rhabdocalyptus australis* TOPSENT, 1901b : 37, pl. 2, figs. 5 & 6, pl. 4, figs. 14-21, pl. 5, fig. 1.

POR.002 - 10 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 723c (Faubert IX), Antarctic Ocean, 70°20' S - 83°23' W, 29 Nov. 1898, 450 m.

Remark : original label indicates "types".

*Rossella nuda* TOPSENT, 1901a : IX; 1901b : 32, pl. 1, fig. 7, pl. 4, figs. 8-13.

POR.003 - holotype (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 359c (Faubert IX), Antarctic Ocean, 71°18' S - 88°02' W, 18 May 1898.

Remark : the original label indicates "type".

*Rossella racovitzae* TOPSENT, 1901a : X; 1901b : 33, pl. 1, fig. 5, pl. 4, figs. 1-7.

POR.004 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 910a (Nasse I), Antarctic Ocean, 71°15' S - 87°39' W, 27 May 1898, 450 m.

Remark : no type specimen has been designated by TOPSENT, the original label indicates "cotype".

POR.005 - 2 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, samples 556 & 559 (Faubert VII), Antarctic Ocean, 70°23' S - 82°47' W, 8 Oct. 1898, 500 m.

Remark : the original label indicates "cotypes".

POR.006 - 4 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, samples 636 & 672 (Faubert VIII), Antarctic Ocean, 70°00' S - 80°48' W, 18 Oct. 1898, 550 m.

Remark : the original label indicates "cotypes". Five syntypes from this locality were initially deposited, only four remain.

POR.007 - 2 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 793a (Faubert X), Antarctic Ocean, 70°15' S - 84°06' W, 20 Dec. 1898, 569 m.

Remark : the original label indicates "cotypes".

*Uncinatera plicata* TOPSENT, 1901a : XII; 1901b : 41, pl. 2, figs. 7, 10-12, pl. 6, figs. 1-10.

POR.008 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 359a (Faubert IV), Antarctic Ocean, 71°18' S - 88°02' W, 18 May 1898, 430 m.

Remark : no holotype was originally designated. The original label indicates "cotypes". This specimen is the best preserved.

POR.009 - 3 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 293 (Faubert II), Antarctic Ocean, 71°14' S - 89°14' W, 12 May 1898, 450 m.

Remark : the original label indicates "cotypes".

POR.010 to POR.013 - 4 syntypes (dry), Antarctic Expedition of the Belgica 1897-99, sample 424a (Faubert VI), Antarctic Ocean, 71°19' S - 87°37' W, 28 May 1898, 450 m.

Remark : the original label indicates "cotypes".

POR.014 - 2 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, samples 558 & 1011a (Faubert VII), Antarctic Ocean, 70°23' S - 82°47' W, 8 Oct. 1898, 500 m.

Remark : the original label indicates "cotypes".

#### DEMOSPONGIAE (MARINE)

*Acanthocinachyra seychellensis* THOMAS, 1973 : 80, pl. 4, fig. 5.

= *Acanthotetilla seychellensis*; VAN SOEST, 1977 : 6, fig. 3, pl. 2e.

MRAC 1410, CMFRI 145 - holotype (dry), 2 microscope slides n° 1410, Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.

Remark : also labelled RN 50. An additional vial with a fragment used for the preparation is also deposited.

*Aurora oxytoxa* THOMAS, 1973 : 77, pl. 4, fig. 2.

MRAC 1400, CMFRI 143 & 144 - holotype (dry), 3 microscope slides, Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.

Remark : also labelled RN 54.

*Axinella minor* THOMAS, 1981 : 30, pl. 1, figs. 12, 12A, pl. 2, fig. 16.

MRAC 1655 - holotype (dry), Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1972.

MRAC 1654 & 1657 - 2 paratypes (dry), Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1972.

*Axinella tenuidigitata* DENDY ssp. *oxeata* THOMAS, 1979 : 60, pl. 3, figs. 13 & 13A.

MRAC 1479 - holotype (dry), Zoological Mission MRAC-ULB, Mozambique, Mambone, 7 Aug. 1969, coll. BOUILLON.

Remark : erroneously indicated as MRAC 527 in the publication, which probably corresponds to a CMFRI number. Original label indicates Inhaca Island.

*Biemna variantia* (BOWERBANK) var. *seychellensis*  
THOMAS, 1973 : 39, pl. 2, fig. 11.

MRAC 1348, CMFRI 16 - holotype (dry), Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.  
Remark : also labelled RN 25.

*Ceraochalina reteplax* (LENDENFELD) var. *tenuis*  
THUM 1903 : 7, figs. 14-17.

= *Callyspongia reteplax* var. *tenuis*; BERGQUIST & WARNE, 1980 : 24.

POR.015 - holotype (dry), 20 Mar. 1936.  
Remark : this specimen remained unregistered at the RBINSc until 1933. The original label indicates "type".

*Chalina sorongae* BRØNDSTED, 1934 : 14,  
figs. 10 & 11.

= *Haliclona sorongae*; BERGQUIST & WARNE, 1980 : 12.

POR.016 - holotype (alcohol), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 23, Sorong Door, Irian Jaya, Indonesia (ex Nova-Guinea), 23 Mar. 1929.  
Remark : the original label indicates "type", the holotype status of this specimen is indicated by its number in the original publication. The paratype n° 18 has been lost.

POR.017 - 1 paratype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 13b, Mansfield Island, 1 Mar. 1929.

Remark : the original label indicates "cotype".

POR.018 - 1 paratype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 46, Indonesia, Irian Jaya, Aroe Islands, Poelo Enoe, 24 Mar. 1929.

Remark : the original label indicates "cotype".

*Chalinissa communis* (LENDENFELD) var. *tenuis*  
THUM, 1903 : 14, figs. 10-11.

= *Axinella communis* var. *tenuis*; DE LAUBENFELS, 1936 : 132.

POR.019 - holotype (dry).  
Remark : this specimen remained unregistered at the RBINSc until 1933. The original label indicates "type".

*Chalinissa elongata* (LENDENFELD) var. *tenuispicula*  
THUM, 1903 : 13, figs. 8 & 9.

= *Axinella elongata* var. *tenuispicula*; DE LAUBENFELS, 1936 : 132.

POR.020 - holotype (dry).

Remark : this specimen remained unregistered at the RBINSc until 1933. Locality is neither mentioned in the publication, nor in the collection. The original label indicates "type".

*Cladochalina doorae* BRØNDSTED, 1934 : 15,  
figs. 12 & 13.

= *Callyspongia doorae*; DE LAUBENFELS, 1936 : 59.

POR.021 - holotype (alcohol), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 25, Sorong Door, Irian Jaya, Indonesia (ex Nova-Guinea), 23 Mar. 1929.

Remark : the original label indicates "type".

*Cladorhiza (Asbestopluma) belgicae*  
TOPSENT, 1901a : VIII; TOPSENT, 1901b : 23,  
pl. 1, fig. 4, pl. 3, fig. 8.

POR.022 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 422 (Faubert VI), Antarctic Ocean, 71°19' S - 87°37' W, 28 May 1898, 450 m.

Remark : the original label indicates "cotype".

POR.023 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 786 (Faubert X), Antarctic Ocean, 70°15' S - 84°06' W, 20 Dec. 1898, 569 m.

Remark : the original label indicates "cotype".

*Clathria inhacensis* THOMAS, 1979 : 27,  
pl. 2, figs. 2, 2A, 2B.

MRAC 1456 - holotype (dry), Zoological Mission MRAC-ULB, Mozambique, Inhaca Island, 7 Aug. 1969.  
Remark : erroneously indicated as MRAC 511 in the publication, which probably corresponds to a CMFRI number.

*Dendoryx incrustans* GRAY var. *australis*  
TOPSENT, 1901b : 17, pl. 3, fig. 11.

POR.024 - 1 holotype (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 421d (Faubert VI), Antarctic Ocean, 71°19' S - 87°37' W, 28 May 1898, 450 m.

Remark : preserved in the same jar as the *Iophon radiatus* specimen it was associated with. The original label indicates "type".

*Desmacidon setifer* TOPSENT 1901a : VII;  
TOPSENT, 1901b : 17, pl. 1, fig. 3, pl. 3, fig. 6;  
TOPSENT, 1908 : 26.

- = *Desmacidon spinigera* KIRKPATRICK, 1907 : 283; 1908 : 39, pl. 19, fig. 3., pl. 23, fig. 3; BRØNDSTED, 1927 : 3.
- = *Homoeodictya verrucosa* TOPSENT, 1913 : 636, pl. 5, fig. 1, pl. 6, fig. 13.
- = *Homoeodictya setifera*; TOPSENT, 1913 : 637; HENTSCHEL, 1914 : 81.
- = *Homoeodictya trigona* TOPSENT, 1917 : 66.
- = *Isodictya spinigera* BURTON, 1929 : 424.
- = *Isodictya verrucosa* BURTON, 1929 : 424.
- = *Isodictya setifer*; BURTON, 1932 : 284 (partim); BURTON, 1934 : 19; KOLTUN, 1964 : 42, pl. 8, figs. 8-10.
- = *Platyhalina setifer*; BURTON, 1938 : 9.

POR.025 - 4 bits syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, station 910c (Nasse I), Antarctic Ocean, 71°15' S - 87°39' W, 27 May 1898, 450 m.

Remark : the original label indicates "types".

*Echinodictyum pulchrum* BRØNDSTED, 1934 : 18,  
figs. 16-18.

- = *Spongia cancellata*; LAMARCK, 1814 : 456.
- = *Echinodictyum cancellatum*; RIDLEY, 1884 : 457; HENTSCHEL, 1912 : 370; TOPSENT, 1933 : 7; HOOPER, 1991 : 1358.

POR.026 & POR.027 - 2 syntypes (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 47, Indonesia, Irian Jaya, Aroe Islands, Poelo Mariri, 25 Mar. 1929.

Remark : the original label indicates "types".

POR.028 to POR.030 - 3 syntypes (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 37, Indonesia, Irian Jaya, Aroe Islands, Poelo Enoe, 23 Mar. 1929.

Remark : the original label indicates "cotypes".

*Gelliodes benedeni* TOPSENT, 1901a : VII;  
TOPSENT, 1901b : 16, pl. 2, fig. 3, pl. 3, fig. 5;  
BURTON, 1929 : 423.

- = *Microxina charcoti* TOPSENT, 1916 : 170; 1917 : 73, pl. 1, fig. 3, pl. 2, fig. 3, pl. 6, fig. 17; BURTON 1929 : 423.
- = *Gelliodes benedeni* var. *fortior* TOPSENT, 1917 : 75, pl. 2, fig. 1, pl. 6, fig. 22.
- = *Gelliodes benedeni*; BURTON, 1929 : 423.
- = *Microxina benedeni*; BURTON, 1932 : 271, fig. 10, pl. 50, fig. 1; KOLTUN, 1964 : 107, pl. 15, figs. 14-16.

POR.031 - holotype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 725 (Faubert IX), Antarctic Ocean, 70°20' S - 83°23' W, 29 Nov. 1898, 450 m.

Remark : the original label indicates "type".

*Gellius bidens* TOPSENT, 1901a : VII;  
TOPSENT, 1901b : 14, pl. 2, fig. 8, pl. 3, fig. 7;  
HENTSCHEL, 1914 : 129; BURTON, 1929 : 423.

= *Haliclona bidens*; BURTON, 1938b : 6; KOLTUN, 1964 : 101.

POR.032 - holotype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 637 (Faubert VII), Antarctic Ocean, 70°00' S - 80°48' W, 18 Oct. 1898, 550 m.

Remark : the original label indicates "type".

*Gellius rudis* TOPSENT, 1901a : VI;  
TOPSENT, 1901b : 14, pl. 1, fig. 9, pl. 3, fig. 4;  
KIRKPATRICK, 1908 : 45,  
pl. 17, fig. 1, 1a, pl. 24, fig. 1, a-b;  
TOPSENT, 1917 : 77, pl. 3, fig. 2;  
HENTSCHEL, 1914 : 130; BURTON, 1929 : 422 (partim).

- = *Gellius fimbriatus* KIRKPATRICK, 1907 : 286.
- = *Hemigellius rudis*; BURTON, 1932 : 272.
- = *Haliclona rudis*; KOLTUN, 1964 : 101, pl. 15, figs. 9-10.

POR.033 - holotype in 2 fragments (alcohol), Antarctic Expedition of the Belgica 1897-99, station 555 (Faubert VII), Antarctic Ocean, 70°23' S - 82°47' W, 8 Oct. 1898, 500 m.

Remark : This species has been involved in a complicated story reported by DE WEERDT & VAN SOEST (1987). KIRKPATRICK (1908) identified specimens from Mc Murdo Bay as *Gellius rudis*, these were later synonymized by BURTON (1932) with *Gellius fimbriatus* KIRKPATRICK (1907) under the new genus *Hemigellius* (*Hemigellius rudis*). The conspecificity of KIRKPATRICK's *Gellius rudis* with TOPSENT's type became doubtful when VACELET & ARNAUD (1972) found out that the diagnosis of BURTON didn't correspond to TOPSENT's type species but to KIRKPATRICK's specimens. Afterward, BOURY-ESNAULT & VAN BEVEREN (1982) confirmed that BURTON's generic diagnosis referred to KIRKPATRICK's rather than TOPSENT's specimens. VACELET & ARNAUD also pointed out that KIRKPATRICK's *Gellius fimbriatus* was clearly conspecific with his alleged *Gellius rudis*, providing the opportunity to accept *fimbriatus* as the type species of *Hemigellius* without changing its diagnosis. The original label indicates "types".

*Halisarca dujardini* JOHNSTON var. *magellanica*  
TOPSENT, 1901b : 44, pl. 1, fig. 2, pl. 6, figs. 11-14.

POR.034 - 4 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 47, Chile, Londonderry Island, Torrent Bay, 18 Dec. 1897, 0 m.

Remark : the original label indicates "types".

*Hemectyon multidentata* BURTON, 1948 : 757, fig. 2.

- = *Endectyon multidentata*; HOOPER, 1991 : 1284.

MRAC 395 - holotype (alcohol), French Equatorial Africa, Pointe Noire : on rocks, Jun. 1938, coll. DARTEVELLE (see DARTEVELLE, 1948 for collection description).

*Hymeniacion paucispicula* (BURTON) var. *atlantica*  
BURTON, 1948 : 757.

MRAC 377 - holotype (alcohol), Zaïre (ex Belgian Congo), Moanda, Feb. 1938, coll. DARTEVELLE.  
MRAC 378 -379 - 2 paratypes (alcohol), Zaïre (ex Belgian Congo), Moanda, Feb. 1938, coll. DARTEVELLE.

*Iophon radiatus* TOPSENT, 1901a : VIII;  
TOPSENT, 1901b : 21, pl. 3, fig. 13;  
KIRKPATRICK, 1908 : 28, pl. 21,  
figs. 3, 4 & 4a-c, pl. 25, fig. 4a-c;  
KOLTUN, 1964 : 59.

- = *Iophon pluricornis* TOPSENT, 1908 : 29, pl. 3, fig. 5, pl. 5, fig. 5; TOPSENT, 1913 : 627, pl. 6; fig. 9; TOPSENT, 1917 : 58.
- = *Iophon pluricornis* var. *trullifera* HENTSCHEL, 1914 : 84, pl. 6, fig. 9.
- = *Iophonopsis radiatus*; BURTON, 1929 : 442 (partim); 1932 : 296 (partim).

POR.035 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 306a (Faubert II), Antarctic Ocean, 71°14' S - 89°14' W, 12 May 1898, 450 m.

Remark : associated with *Lissodendoryx spongiosa* (RIDLEY & DENDY) var. *asigmata* TOPSENT, 1901a (holotype POR.038) and 1 sample of *Suberites antarcticus* CARTER on a branch of ramosus Hydrocoral. The original label indicates "cotype".

POR.036 - 1 syntype (alcohol), Antarctic Expedition of the Belgica 1897-99, sample 421a (Faubert VI), Antarctic Ocean, 71°19' S - 87°37' W, 28 May 1898, 450 m.  
Remark : the original label indicates "cotype".

*Jaspis bandae* BRØNDSTED, 1934 : 8,  
figs. 4-6.

- = *Melophus sarasinorum* THIELE, 1899 : 8, pl. 1, fig. 2, pl. 5, fig. 3.
- = *Stellettinopsis isis* DE LAUBENFELS, 1954 : 221, fig. 153, pl. 10a.
- = *Asteropus sarasinorum*; BERGQUIST, 1965 : 187, fig. 30a,b,c.

POR.037 - holotype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 52, Indonesia, Mollucas, Bandanaira (Banda-Neira), 23 Feb. 1929.

Remark : the original label indicates "type". Four glass photographic plates used in the original publication (figs. 4 & 5) were deposited as well.

*Jaspis bouilloni* THOMAS, 1973 : 65,  
pl. 3, fig. 15, pl. 5, figs. 4 & 4A, pl. 8, figs. 1 & 2.

MRAC 1411, CMFRI 138 & 139 - holotype (dry), microscope slide, Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.

Remark : also labelled RN 32. An additional vial with spicules used for preparing the microscope slide is deposited as well.

*Jaspis jonesi* THOMAS, 1973 : 66, pl. 3, fig. 16.

MRAC 1421, CMFRI 137 - holotype (dry), 2 microscope slides, Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.

Remark : also labelled RN 55. An additional vial with spicules used for preparing the microscope slide is deposited as well.

*Lissodendoryx spongiosa* (RIDLEY & DENDY)  
var. *asigmata* TOPSENT, 1901a : VIII;

TOPSENT, 1901b : 18; TOPSENT, 1908 : 26, pl. 3, fig. 1.

- = *Myxilla spongiosa* var. *asigmata*; TOPSENT, 1913 : 625, pl. 3, fig. 3; HENTSCHEL, 1914 : 99.
- = *Myxilla asigmata*; BURTON, 1932 : 310; KOLTUN, 1964 : 51, pl. 9, figs. 8-11.

POR.038 - holotype (alcohol), Antarctic Expedition of the Belgica 1897-99, station 306b, Antarctic Ocean, 71°14' S - 89°14' W, 12 May 1898, 450 m.

Remark : same jar as *Iophon radiatus* POR.035. The original label indicates "type".

*Megaciella* sp. BURTON, 1939 (unpublished)

POR.039 - "holotype" (alcohol), 9 th Cruise of the Belgian Training Ship Mercator 1935-1936, station 7, Rio de Oro, 1.5 mile off south coast of Garnet Head, 24°50' N - 14°56' W, 30 Oct. 1935, depth not mentioned.

Remark : specimen labelled as "*Megaciella achela*". BURTON never published the description of this species. The original slides are conserved under the same name as well in the collection of the Natural History Museum in London ("holotype" = 1939.5.8.32a and "paratype" = 1939.5.8.33a).

POR.040 - 1 "paratype" (alcohol), 9 th Cruise of the Belgian Training Ship Mercator 1935-1936, station 7, Rio de Oro, 1.5 mile off south coast of Garnet Head, 24°50' N - 14°56' W, 30 Oct. 1935, depth not mentioned.

*Myxilla seychellensis* THOMAS, 1981 : 21,  
pl. 1, fig. 15; pl. 2, fig. 7.

MRAC 1548 - holotype (dry), Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1972.

*Parasyringella cervicornis* BURTON, 1948 : 757,  
fig. 1.

= *Raspailia cervicornis*; HOOPER, 1991 : 1195, 1200.

MRAC 396 - holotype (alcohol), Angola, Cabinda, Landana, coast of the Portuguese enclave : on rocks at low tide, Oct. 1937, coll. DARTEVELLE (see DARTEVELLE, 1948).

*Reniera altera* TOPSENT, 1901a : VI;  
TOPSENT, 1901b : 13, pl. 3, fig. 12.

= *Chalina altera*; BURTON, 1929 : 420 (partim).

= *Haliclona altera*; BURTON, 1938b : 6; KOLTUN, 1964 : 96.

POR.041 - 2 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, station 910b (Nasse I), Antarctic Ocean, 71°15' S - 87°39' W, 27 May 1898, 450 m.

Remark : no holotype was originally designated. The original label indicates "types".

*Reniera cinerea* (GRANT) var. *porosa*  
TOPSENT, 1901b : 12, pl. 2, fig. 2, pl. 3, fig. 2.

= *Reniera topsenti*; THIELE, 1905 : 462, figs. 4, 78, 104.

= *Reniera kerguelensis* HENTSCHEL, 1914 : 134, pl. 4, fig. 15, pl. 8, fig. 15.

= *Chalina topsenti*; BURTON, 1929 : 419.

= *Haliclona topsenti*; LÉVI, 1956 : 32, fig. 7; KOLTUN, 1964 : 96; DESQUEYROUX, 1975 : 68-69; BOURY-ESNAULT & VAN BEVEREN, 1982 : 108-109, figs. 32 a-c; URIZ, 1988 : 98.

POR.042 - 8 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, Exp. ref. n° 110, Tierra del Fuego, Beagle Canal, Lapataia, 24 Dec. 1897.

Remark : no holotype was originally designated. The original label indicates "types".

*Reniera dancoi* TOPSENT, 1901a : VI;  
TOPSENT, 1901b : 12, pl. 2, fig. 1, pl. 3, fig. 3;  
KIRKPATRICK, 1908 : 53, pl. 18, fig. 3;  
HENTSCHEL 1914, 134.

= *Reniera scotti* KIRKPATRICK, 1907 : 291; 1908 : 52, pl. 18, figs. 1-2, pl. 24, fig. 6.

= *Reniera flaccida* TOPSENT, 1908 : 16, pl. 3, fig. 7, pl. 5, fig. 7.

= *Reniera cylindrica* TOPSENT, 1913 : 639 : pl. 2, fig. 6.

= *Chalina dancoi*; BURTON, 1929 : 420; 1938 : 6.

= *Haliclona dancoi*; KOLTUN, 1964 : 97, pl. 15, figs. 5-6.

POR.043 - 2 syntypes (alcohol), Antarctic Expedition of the Belgica 1897-99, station 421b & 997 (Faubert VI), Antarctic Ocean, 71°19' S - 87°37' W, 28 May 1898, 450 m.

Remark : the original description mentions several small specimens and fragments. In the collection, 21 bits are preserved together in the same jar. Since they result from two batches from the same locality, we consider them as mixed fragments of 2 syntypes. The original label indicates "types".

*Rhaphidectyon encrusta* THOMAS, 1981 : 24,  
pl. 2, fig. 10.

= *Aulospongos encrusta*; HOOPER, 1991 : 1307.

MRAC 1553 - holotype (dry), Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1972.

*Rhaphidoplus orientalis* BRØNDSTED, 1934 : 20,  
figs. 20-22.

POR.044 - 1 syntype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 38, Indonesia, Irian Jaya, Aroe Islands, Poelo Enoe, 23 Mar. 1929.

Remark : the original label indicates "type".

POR.045 - 1 syntype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 48, Indonesia, Irian Jaya, Aroe Islands, Poelo Enoe, 23 Mar. 1929.

Remark : the original label indicates "type".

*Stelletta cylindrica* THOMAS, 1973 : 76,  
pl. 4, fig. 1, pl. 5, fig. 7.

MRAC 1354, CMFRI 141 & 142 - holotype in 2 fragments (dry), 2 microscope slides, Zoological Mission MRAC-ULB, Seychelles, Mahé, 7 Sep. 1966.

Remark : also labelled RN 34.

*Stelletta herdmani* DENDY ssp. *robusta* THOMAS,  
1973 : 41, pl. 2, fig. 23.

MRAC 1495 - holotype (dry), Zoological Mission MRAC-ULB, Mozambique, Inhaca Island, 7 Aug. 1969. Remark : erroneously registered as MRAC 507 J in the publication, which probably corresponds to a CMFRI number.

*Stylotella suberitoides* BRØNDSTED, 1934 : 24,  
figs. 25 & 26.

POR.046 - holotype (dry), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. 13a, Mansfield Island, 1 Mar. 1929.

Remark : the original label indicates "type".

*Tetilla enoi* BRØNDSTED, 1934 : 7, fig. 3.

POR.047 - holotype (alcohol), Expedition of T.R.H. the Prince and Princess Léopold of Belgium to the Netherlands East Indies, Exp. ref. n° 9, Indonesia, Irian Jaya, Aroe Islands, Enoe Island, 24 Mar. 1929.

Remark : the original label indicates "type".

*Thorectopsamma benoiti* THOMAS, 1979 : 17, pl. 1, figs. 6 & 6A.

MRAC 1442 - holotype (dry), Zoological Mission MRAC-ULB, Mozambique, Inhaca Island, 7 Aug. 1969. Remark : erroneously registered as MRAC 509 E in the publication, which probably corresponds to a CMFRI number.

*Thorectopsamma seychellensis* THOMAS, 1973 : 15, pl. 1, figs. 3, 3A, pl. 6, figs 5 & 6.

MRAC 1403, CMFRI 126 & 127 C - holotype (dry), 1 microscope slide, Zoological Mission MRAC-ULB, Exp. ref. n° 126 & 127c, Seychelles, Mahé, 7 Sep. 1966. Remark : also labelled RN 29 C.

MRAC 1404, CMFRI 127 E - 3 paratypes (fragments) (dry), 1 microscope slide, Zoological Mission MRAC-ULB, Exp. ref. n° 127e, Seychelles, Mahé, 7 Sep. 1966. Remark : also labelled RN 29 E.

## DEMOSPONGIAE (FRESHWATER)

*Corvospongilla micramphidiscoides*  
WELTNER, 1913 : 477; PENNEY, 1960, 37;  
PENNEY & RACEK, 1968 : 57.

MRAC 207 - fragment of the holotype ("schizotype") (dry), Zaïre (ex Belgian Congo), Aruwimi River near Banalia.

Remark : fragment of the type, ex Coll. Zool. Mus. Berlin (3733a), leg 1908, Dr. H. SCHUBOTZ, gift from Dr. ARNDT.

*Corvospongilla sodenia* BRIEN, 1969 : 146, figs. 14 & 15, pl. 3, figs. 18-23

Soden Lake, Cameroun, date not mentioned.

Remark : although BRIEN reports in his publication that the holotype was deposited at the MRAC, it is not mentioned in the register and could not be found in the collection. The holotype is apparently lost.

*Echinospongilla brichardi* BRIEN, 1974 : 605, figs. 8-12, pl. 6.

MRAC 1430 - holotype (alcohol), Tanganyica, Tanganyica Lake, May 1973, coll. BRICHARD.

*Malawispongia echinoides* BRIEN, 1972 : 85, figs. 1-6, pls. 1-3.

MRAC 1426 - holotype (alcohol), Malawi, Monkey Bay, 1971, coll. ECCLES.

MRAC 1427 - 11 paratypes (alcohol), Malawi, Monkey Bay, 1971, coll. ECCLES.

*Metania vanrijni* BRIEN, 1968 : 406, figs. 8 & 9, pl. 3, figs. 32-38.

MRAC 1008 - holotype (dry), Zaïre (ex Belgian Congo), Kinshasa (Léopoldville), Aug. 1946, coll. DARTEVELLE.

*Metania lissostrongyla* BURTON, 1938a : 463, fig. 6, pl. 2, figs. 1-4.

MRAC 129 - holotype (dry), Zaïre (ex Belgian Congo), Tumba Lake, Feb. 1921, coll. SCHOUTEDEN.

Remark : note of C. VOLKMER RIBEIRO in the collection, Oct. 1988 : presence of small assemblages of *Trochospongilla tanganyikae* (EVANS) reported by BURTON in 1938. Collection date and collector omitted in the publication, but indicated in the MRAC collection.

MRAC 21 - paratype (dry), Luali, Shiloango River, Casel Mission, Sep. 1937, coll. DARTEVELLE.

Remark : on valves of *Aetheria elliptica*. Paratypes are not mentioned in the publication of BURTON.

MRAC 133 & 134 - 2 paratypes (dry), Zaïre (ex Belgian Congo), Mayumbe, Lukula River, between Tshinifuku-Zobe and Kaïka-Padi, 1937, coll. DARTEVELLE.

MRAC 130, 131, 132, 145 - 4 paratypes (dry), Zaïre (ex Belgian Congo), Eala, Ruki River, 1937, coll. BRIEN.

Remark : in his publication, BURTON reports only to have deposited the holotype at MRAC, the 7 paratypes are not mentioned.

*Parametania godeauxi* BRIEN, 1968 : 387, figs. 3-5, pl. 2.

MRAC 1312 - holotype (dry), Zaïre (ex Belgian Congo), Katanga, Luapula, mouth of Kafubu River, 1967, coll. GODEAUX.

Remark : collection date mentioned on the original label and in the register is 1963.

*Potamolepis marshalli* BURTON, 1938a : 462, fig. 4, pl. 1, fig. 8.

MRAC 144 - holotype (dry), Zaïre (ex Belgian Congo), Matadi, River Congo, on stone, (by dredging), 1938, coll. BRIEN.

Remark : collection date omitted in the publication, but mentioned in the register of MRAC.

*Potamolepis micropora* BURTON, 1938a : 462,  
fig. 5, pl. 1, fig. 8a.

MRAC 1696 - holotype (dry), Zaïre (ex Belgian Congo), Matadi, Congo River, (by dredging), 1938, coll. BRIEN.

Remark : this holotype is on the same rock as the holotype of *Potamolepis marshalli* and beared the same inventory number (MRAC 144) until the distinction between both holotypes was pointed out by C. VOLKMER RIBEIRO in Oct. 1988 (manuscript note in the collection).

*Potamolepis schoutedeni* BURTON, 1938 : 461,  
fig. 3, pl. 1, fig. 7.

= *Parametania schoutedeni*; BRIEN, 1968 : 375, fig. 1, fig. 2, pl. 1.

MRAC 141 - holotype (dry), Zaïre (ex Belgian Congo), Kinshasa (Léopoldville), River Congo, 1937, coll. TINANT.

Remark : the collection date is omitted in the publication, but is mentioned in the register of MRAC.

MRAC 142 & 143 - 2 paratypes (dry), Zaïre (ex Belgian Congo), Kinshasa (Léopoldville), River Congo, 1937, coll. TINANT.

Remark : collection date omitted in the publication, but mentioned in the register of MRAC.

*Potamolepis stendelli* JAFFÉ, 1916 : 13.

= *Potamophloios stendelli*; BRIEN, 1970 : 170, figs. 1b, 2f, 3.

MRAC 410 to 412 - 3 syntypes (alcohol), Zaïre (ex Belgian Congo), Kasenga, Luapula Lake, 1966, 0-10 m, coll. Rev. GILBERT.

Remark : three specimens are labelled as types of *Potamophloios stendelli*.

MRAC 413 - holotype (alcohol), Zaïre (ex Belgian Congo), Kasenga, Luapula Lake, 1911, 0-10 m, by dredging, 25 Jul. 1911, coll. STAPPERS.

Remark : This is the holotype deposited by JAFFÉ, attached on a shell of *Aetheria elliptica*. It is registered as MRAC 413, although the label erroneously indicates MRAC 412.

*Potamolepis symoensi* BRIEN, 1967 : 37,  
fig. 17, pl. 5, figs. 34b, 36-38.

= *Potamophloios symoensi*; BRIEN, 1970 : 170.

MRAC 1319 - holotype (dry), Zaïre (ex Belgian Congo), Katanga River. Luapula, near Kabunda, Oct. 1965, coll. SYMOENS.

Remark : this specimen is labelled as the paratype. When C. VOLKMER RIBEIRO examined the collection in 1988, she pointed out that this is the holotype, since it is the only specimen BRIEN had when he described the species (see BRIEN, 1970).

MRAC 13 - paratype (dry), Zaïre (ex Belgian Congo), Katanga River. Luapula, near Kabunda, Feb. 1930, coll. DE WITTE.

Remark : originally designated as the holotype, this specimen is in fact the paratype, according to VOLKMER RIBEIRO (see preceding remark).

*Potamolepis thysi* BRIEN, 1968 : 120,  
figs. 1-3; pl. 1, figs. 1-9.

= *Corvospongilla thysi*; BRIEN, 1969 : 123, figs. 1-13, pls. 1 & 2.

MRAC 1311 - holotype (alcohol), French Equatorial Africa, Cameroun, Barombi-ma-Mbu Lake, Oct. 1966, 2 to 3 m, coll. THYS VAN DEN AUDENAERDE.

*Potamophloios gilberti* BRIEN, 1970 : 172, figs. 1c, 2d.

MRAC 1316 - holotype (dry), Zaïre (ex Belgian Congo), Katanga, Moero Lake, mouth of Kansinsa River, between Lukonzolwa and Songolo, 1966, coll. Rev. GILBERT.

*Potamophloios hispida* BRIEN, 1970 : 171,  
figs. 1d, 2a, 2h.

MRAC 1318 - holotype (dry), Zaïre (ex Belgian Congo), Katanga, Moero Lake, mouth of Kansinsa River, between Lukonzolwa and Songolo, 1966, coll. Rev. GILBERT.

*Potamophloios sangoloensis* BRIEN, 1970 : 173,  
figs. 1e, 2e.

MRAC 1317 - holotype (dry), Zaïre (ex Belgian Congo), Katanga, Moero Lake, mouth of Kansinsa River, between Lukonzolwa and Songolo, 1966, coll. Rev. GILBERT.

*Spinospingilla polli* BRIEN, 1974 : 589, figs. 1-7, pl. 5.

MRAC 1431 - holotype (alcohol), Tanganyica, Tanganyica Lake, date not mentioned, coll. BRICHARD.

*Spongilla brieni* BURTON, 1938 : 459, fig. 1.

MRAC 201 - holotype (alcohol), Zaïre (ex Belgian Congo), Lake Upemba, Aug. 1937, coll. BRIEN.



***Spongilla (Stratospongilla) gilsoni***

TOPSENT, 1912 : 187, pl. 1, figs. 1-8.

= *Spongilla gilsoni*; PENNEY, 1960 : 19; PENNEY & RACEK, 1968 : 48.

POR.048 - 15 syntypes (alcohol), Fiji Island, Viti Levu, Waidinia River, between Nasuvo and Namosi, 22/10/1897.

Remark : the material remained unregistered at the RBINSc until 1929. The original label indicates "type".

***Spongilla (Stratospongilla) schubotzi***

WELTNER, 1913 : 481.

= *Spongilla schubotzi*; PENNEY, 1960 : 28; PENNEY & RACEK, 1968 : 47.

MRAC 204 &amp; 205 - 2 paratypes (bits) (dry), 1 microscope slide numbered MRAC 206, Congo River.

Remark : gift from W. ARNDT, 1938 (SCHUBOTZ leg) ref n°3716.

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