

## Bryozoa of New Caledonia

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Very few studies had ever been made on New Caledonia Bryozoa until the MUSORSTOM cruises of the 1980s yielded much material that resulted in several papers between 1986 and 1999. As d'Hondt (1986) remarked, the fauna of the New Caledonian EEZ was very poorly known until that time. Philipps (1900) had reported on material collected by Arthur Willey in the wider region extending to Papua New Guinea. Most of the New Caledonian material came from the Loyalty Islands, especially Lifou, and comprised 63 species of which 9 were described as new. In his series of Siboga Expedition reports, Harmer (1915, 1926, 1934, 1957) discussed and revised several of Philipps's identifications. Redier (1966) added a number of species to the New Caledonian fauna, but described no new species. Redier also provided no illustrations, and, as d'Hondt (1986) pointed out, many of his identifications were in error or remain suspect. Recent publications of Hayward (2004) and Tilbrook (2006) discuss some species that are found in New Caledonia.

D'Hondt (1986) made a systematic study of collections from New Caledonian waters including the Chesterfield Bank and Coral Sea between 1977 and 1984, listing 226 species, of which 17 species and 6 subspecies were described as new. Unfortunately, most of the taxa that were not identified to species (65 in total), and 19 others that were only doubtfully attributed to particular species, were not illustrated, making it impossible to evaluate them without recourse to the museum material in Paris. These uncertainties are reflected in the checklist below by the use of a question mark («?»).

A series of papers followed in the 1990s based on the MUSORSTOM collections (Gordon & d'Hondt 1991, 1997; Gordon 1993; Gordon & Braga 1994; d'Hondt & Gordon 1996, 1999). In all, these authors added more than 150 species to the New Caledonian fauna, of which 115 were new to science, reflecting the high degree of taxonomic novelty and endemism in the fauna, especially from the northern Norfolk Ridge. The families Bryopastoridae, Petalostegidae, Bifaxariidae, and Siphonicytaridae have proportionately more species in New Caledonian waters than anywhere else in the world. The genera *Astoleiosalpinx* (Leiosalpingidae), *Lamourouxia* (Calloporidae), *Xynexecha* (Exechonellidae), *Pseudoplatyglena* (Euthyrisellidae), and *Phoriopnnia* (Phoriopnniidae) are presently known only from the New Caledonian EEZ and may be regarded as endemic. About 29% of all the species in the checklist below are known only from New Caledonian waters. A significant number of species in the fauna are widespread in the tropical Indo-Pacific or are considered cosmopolitan/tropicopolitan. Some 83 species have been reported in New Zealand waters, either from the Kermadec Ridge, or from deeper water, or they are cosmopolitan.

At present, the New Caledonian bryozoan fauna stands at 407 species, of which 60 are unidentified to species or are new. At least 178 species are known within the first 100 m and 232 species are known to occur deeper than 100 m. Of the two classes and three living bryozoan orders represented in the marine environment, by far the majority of species (382) belong to the Cheilostomata, 16 to the Cyclostomata, and 7 to the Ctenostomata. From what is known about bryozoan diversity in coral reefs and in deeper waters of the southwestern Pacific Ocean, these figures are highly conservative. One can predict that the bryozoan fauna of the New Caledonian EEZ should be at least 700 species, and probably many more. On the basis of present knowledge, the most speciose families are the lace-coral family Phidoloporidae (40 species), Candidae (36 species), and Bifaxariidae and Bugulidae (21 species each).

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## Checklist of species

Bryozoans of coral reefs and shallow coastal environments to 100 m depth are indicated below by an asterisk (\*). Where no depth data were provided with the published records, this is indicated by "n.d." (no data); the species entry may, however, be accompanied by an asterisk if, based on distributional data beyond New Caledonia, it is known to occur in shallow water. Deep-water New Caledonian Bryozoa are also listed but lack an asterisk. The general locality of the first description is given for all named and unnamed species. The known depth range, in New Caledonian waters only, is given for all species.

### CLASS STENOLAEMATA

#### ORDER CYCLOSTOMATA

##### CRISIIDAE Johnston, 1847

\**Crisia elongata* Milne Edwards, 1838 Mediterranean Sea 10–155 m

##### CRISINIDAE Borg, 1944

\**Mesonea radians* (Lamarck, 1816) Australia 19 m

##### DENSIPORIDAE Borg, 1944

*Favosipora holdsworthii* (Busk, 1875) Sri Lanka n.d.

*Favosipora watersi* (Borg, 1944) southern Australia 250–350 m

##### DIAPEROECIIDAE Canu, 1918

\**Diaperoecia* sp. d'Hondt 1986 New Caledonia 67 m

##### DIASTOPORIDAE Gregory, 1899

\**Plagioecia* sp. d'Hondt 1986 New Caledonia 53 m

##### FILISPARSIDAE Borg, 1944

\**Nevianipora pulcherrima* Kirkpatrick, 1890 South China Sea n.d.

\**Nevianipora* sp. d'Hondt 1986 New Caledonia n.d.

##### HORNERIDAE Smitt, 1867

\**Hornera spinigera* Kirkpatrick, 1888 Mauritius n.d.

##### LICHENOPORIDAE Smitt, 1867

\**Disporella pristin* (MacGillivray, 1884) Victoria, Australia 15–20 m

\**Disporella truncata* Philipps, 1900 New Caledonia 40 m

\**Disporella* spp. d'Hondt 1986 New Caledonia 50–180 m

##### MECYNOECIIDAE Canu, 1918

\**Mecynoecia delicatula* (Busk, 1875) Queensland, Australia 31 m

##### THEONOIDAE Busk, 1859

\**Telopora buski* d'Hondt, 1986 New Caledonia 33–350 m

##### TUBULIPORIDAE Johnston, 1838

\**Idmidronea flexuosa* (Pourtalès, 1867) North Atlantic 14–230 m

\**Idmidronea* sp. d'Hondt 1986 1–65 m

\**Platonea philippae* (Harmer, 1915) New Caledonia n.d.

### CLASS GYMNOLAEMATA

#### ORDER CTENOSTOMATA

##### AETHOZOIDAE d'Hondt, 1983

*Aethozoon pellucidum* Hayward, 1978 North Atlantic 1410–1520 m

##### ALCYONIDIIDAE Johnston, 1838

*Bockiella angusta* Silén, 1942 Japan 495 m

##### ARACHNIDIIDAE Hincks, 1880

\**Nolella gracilipes* d'Hondt, 1986 New Caledonia 15–20 m

\**Nolella* sp. d'Hondt 1986 New Caledonia n.d.

##### FLUSTRELLIDRIDAE Bassler, 1953

\**Elzerina blainvillii* Lamouroux, 1816 Australia 60–120 m

##### MIMOSELLIDAE Hincks, 1877

\**Bantariella bocki* (Silén, 1942) Ogasawara Islands, Japan 65–120 m

**PACHYOZOIDAE d'Hondt, 1983**

*Pachyzoon atlanticum* d'Hondt, 1983 North Atlantic 595–2103 m

**ORDER CHEILOSTOMATA**

**ADEONIDAE Jullien, 1903**

*Adeonella* sp. d'Hondt New Caledonia n.d.

\**Adeonellopsis* sp. d'Hondt 1986 New Caledonia 15–260 m

\**Reptadeonella joloensis* (Bassler, 1936) Sulu Archipelago, Philippines n.d.

**AETEIDAE Smitt, 1868**

\**Aetea ?australis* Jullien, 1888 Magellanic South America 35–54 m

\**Aetea capillaris* d'Hondt, 1986 New Caledonia 15–20 m

**ANTROPORIDAE Vigneaux, 1949**

\**Antropora granulifera* (Hincks, 1880) Madeira, Portugal 70 m

\**Antropora minor* (Hincks, 1880) Bahia, Brazil 35–54 m

*Parantropora laguncula* (Canu & Bassler, 1929) Philippines 110 m

**ASPIDOSTOMATIDAE Jullien, 1888**

*Crateropora stiliformis* d'Hondt & Gordon, 1999 New Caledonia 445–560 m

**BATOPORIDAE Neviani, 1900**

*Batopora* sp. d'Hondt 1986 New Caledonia n.d.

**BEANIIDAE Canu & Bassler, 1927**

*Beania discodermiae* (Ortmann, 1890) Japan 440–650 m

\**Beania magellanica* Busk, 1852 Magellanic South America 15–20 m

*Beania* sp. d'Hondt & Gordon, 1996 New Caledonia 515 m

*Beania* sp. d'Hondt & Gordon, 1996 New Caledonia 2103 m

**BIFAXARIIDAE Busk, 1884**

*Bifaxaria bicuspis* Gordon, 1993 New Caledonia 360–675 m

*Bifaxaria compacta* Gordon, 1993 New Caledonia 200 m

*Bifaxaria gracilis* Gordon, 1993 New Caledonia 3680–3740 m

*Bifaxaria menorah* Gordon, 1993 New Caledonia 1350–1870 m

*Bifaxaria modesta* Gordon, 1993 New Caledonia 965–1140 m

*Bifaxaria multicostata* Gordon, 1993 New Caledonia 1395 m

*Bifaxaria submucronata* Gordon, 1993 New Caledonia 960–2040 m

*Diplonotos confragus* Gordon, 1993 New Caledonia 233–1665 m

*Diplonotos minus* Gordon, 1993 New Caledonia 495 m

*Diplonotos obesus* Gordon, 1993 New Caledonia 470–680 m

*Diplonotos serratus* Gordon, 1993 New Caledonia 435–2099 m

*Diplonotos similis* Gordon, 1993 New Caledonia 700 m

*Diplonotos sulcatus* Gordon, 1993 New Caledonia 1230–1270 m

*Diplonotos* sp. Gordon 1993 New Caledonia 1350–1665 m

*Diplonotos ?abyssicolus* (Busk, 1884) North Pacific 1920–2040 m

*Domosclerus edulis* Gordon, 1993 New Caledonia 760–790 m

*Domosclerus* sp. Gordon & d'Hondt 1997 New Caledonia 1190 m

*Domosclerus* sp. Gordon 1993 New Caledonia 1820–1980 m

*Raxifabia porosa* Gordon, 1993 New Caledonia 1590–1665 m

*Raxifabia rara* Gordon, New Caledonia 825 m

*Raxifabia vafra* Gordon, 1988 New Zealand 505–520 m

**BITECTIPORIDAE MacGillivray, 1895**

*Hippomonavella gymnae* Gordon, 1984 Kermadec Ridge, New Zealand 510–525 m

*Hippothyris caledonica* Gordon & d'Hondt, 1997 New Caledonia 283–440 m

\**Lagenicella cylindrica* (Harmer, 1957) Kalimantan, Indonesia 53 m

\**Metroperiella montferrandii* (Audouin, 1826) Red Sea 35–54 m

*Nigrapercula mutabilis* (Canu & Bassler, 1929) Philippines 375–550 m

*Parkermavella fidelis* Gordon & d'Hondt, 1997 New Caledonia 283 m

*Parkermavella minuta* Gordon & d'Hondt, 1997 New Caledonia 275 m

\**Parkermavella pseudoneptuni* (d'Hondt, 1986) New Caledonia 15–35 m

\**Parkermavella* spp. d'Hondt 1986 (as *Schizomavella*) New Caledonia 15–54 m

- Parkermavella* sp. d'Hondt 1986 New Caledonia 525 m  
 \**Pleurocodonellina signata* (Waters, 1889) New South Wales, Australia n.d.
- BRYOPASTORIDAE d'Hondt & Gordon, 1999**  
*Bryopastor challenger* Gordon, 1982 New Zealand 310–1640 m  
*Bryopastor crassus* d'Hondt & Gordon, 1999 New Caledonia 380–700 m  
*Bryopastor octogonos* d'Hondt & Gordon, 1999 New Caledonia 310–450 m  
*Bryopastor pentagonus* (Canu & Bassler, 1929) Philippines 355–790 m  
*Bryopastor* sp. d'Hondt & Gordon 1999 New Caledonia 470–480 m  
*Pseudothyracella candelaber* d'Hondt & Gordon, 1999 New Caledonia 215–1270 m
- BUFFONELLODIDAE Gordon & d'Hondt, 1997**  
*Buffonellodes crosnieri* Gordon & d'Hondt, 1997 New Caledonia 675 m  
*Ipsibuffonella repens* Gordon & d'Hondt, 1997 New Caledonia 675 m
- BUGULIDAE Gray, 1848**  
*Bugulella gracilis* (Nichols, 1911) Ireland 495–520 m  
 \**Bugula dentata* (Lamouroux, 1816) ?SW Australia 35–54 m  
 \**Bugula philippisae* Harmer, 1926 New Caledonia n.d.  
 \**Bugula robusta* McGillivray, 1869 Victoria, Australia 33–35 m  
 \**Bugula scaphoides* Kirkpatrick, 1890 South China Sea 19 m  
*Camptoplites lunatus* Harmer, 1926 Timor 825 m  
 \**Caulibugula inermis* Harmer, 1926 Java, Indonesia n.d.  
*Cornucopina aviculata* d'Hondt & Gordon, 1996 New Caledonia 500–850 m  
*Cornucopina bella* (Busk, 1884) Indonesia 535–965 m  
*Cornucopina buguloides* d'Hondt & Gordon, 1996 New Caledonia 1350–1380 m  
*Cornucopina moluccensis* (Busk, 1884) Indonesia 515–1640 m  
*Dendrobeatia pseudexilis* d'Hondt & Gordon, 1996 535–2750 m  
*Himantozoum (Beanodendria) elegans* d'Hondt & Gordon, 1996 New Caledonia 535–1710 m  
*Himantozoum (Himantozoum) bicuspidatum* d'Hondt & Gordon, 1996 New Caledonia 1230–1240 m  
*Himantozoum (Himantozoum) crassiavicularium* d'Hondt & Gordon, 1999 New Caledonia 545–560 m  
*Himantozoum (Himantozoum) dissimile* d'Hondt & Gordon, 1996 New Caledonia 1140–1900 m  
*Himantozoum (Himantozoum) gemellum* d'Hondt & Gordon, 1996 New Caledonia 1140–199 m  
*Himantozoum (Himantozoum) rostratum* d'Hondt & Gordon, 1996 New Caledonia 1820–1980 m  
*Himantozoum (Thaminozoum) hispidum* d'Hondt & Gordon, 1996 New Caledonia 500–550 m  
*Nordgaardia cornucopioides* d'Hondt, 1983 Brazil 1175–1950 m  
*Semidendrobeatia pallida* d'Hondt & Gordon, 1996 New Caledonia 500–965 m
- CALLOPORIDAE Norman, 1903**  
 \**Alderina tuberosa* (Canu et Bassler, 1929) Philippines 70–256 m  
*Aplousina filum* Jullien, 1903 Azores, Portugal [doubtful ID]  
 [?] *Callopora* sp. d'Hondt & Gordon, 1999 New Caledonia 310–315 m  
*Concertina cultrata* Gordon, 1986 New Zealand 570–610 m  
*Copidozoum brevispinosum* d'Hondt, 1986 New Caledonia 165 m  
 [?] *Corbulella translucens* (Harmer, 1926) Sulawesi, Indonesia 480–640 m  
 \**Cranosina coronata* (Hincks, 1881) Singapore <100–275 m  
*Crassimarginatella spathulata* Gordon, 1984 Kermadec Ridge 245 m  
 \**Crassimarginatella* sp. d'Hondt 1986 New Caledonia 40 m  
*Crassimarginatella* sp. d'Hondt & Gordon 1999 (as *incertae sedis*) New Caledonia 500–510 m  
*Lamourouxia canaliculata* d'Hondt & Gordon, 1999 New Caledonia 500–2099 m  
*Marssonopora kermadecensis* Gordon, 1984 Kermadec Ridge, New Zealand 480–640  
*Calloporidae incertae sedis* d'Hondt & Gordon 1999 New Caledonia 440–450 m
- CALWELLIIDAE MacGillivray, 1887**  
*Ichthyaria simplex* Gordon & d'Hondt, 1997 New Caledonia 1508–2365 m  
*Onchoporoides moseleyi* (Busk, 1884) Kermadec Ridge, New Zealand 965–1870 m  
*Wrigiana strepsis* Gordon & d'Hondt, 1997 New Caledonia 235 m
- CANDIDAE d'Orbigny, 1851**  
 \**Amastigia rudis* (Busk, 1852) Bass Strait, Australia 1–3 m  
*Amastigia ?pateriformis* (Busk, 1884) Chile 470 m

- Amastigia vibraculifera* Hastings, 1943 Falkland Islands n.d.  
*Amastigia* sp. d'Hondt & Gordon, 1996 New Caledonia 515 m  
 [?] *Amastigia* sp. d'Hondt & Gordon 1996 New Caledonia 1350 m  
 \**Caberea boryi* (Audouin, 1826) Red Sea n.d.  
*Caberea darwinii* Busk, 1884 Magellan Strait 775 m  
 \**Caberea dichotoma* Lamouroux, 1816 Bass Strait, Australia 35–54 m  
 \**Caberea glabra* McGillivray, 1886 Victoria, Australia 65–440 m  
 \**Caberea lata* Busk, 1852 Queensland, Australia 33–640 m  
 \**Canda clypeata* (Haswell, 1880) Queensland, Australia 33–54 m  
 \**Canda pecten* Thorneley, 1907 Burma n.d.  
 \**Canda scutata* Harmer, 1926 New Caledonia n.d.  
*Candoscrapocellaria disconveniens* d'Hondt & Gordon, 1996 New Caledonia 283 m  
*Candoscrapocellaria enigmatica* (d'Hondt & Gordon, 1996) New Caledonia 404–416 m  
*Menipea patagonica* Busk, 1852 SW Atlantic 760–790 m  
*Notoplites biocali* d'Hondt & Gordon, 1996 New Caledonia 1395 m  
*Notoplites cassiduloides* d'Hondt & Gordon, 1996 New Caledonia 650–3680 m  
*Notoplites dissimilis* d'Hondt & Gordon, 1996 New Caledonia 775–825 m  
*Notoplites ? elongatus* (Busk, 1884) Marion Island 515 m  
*Notoplites gibbosus* d'Hondt & Gordon, 1996 New Caledonia 695–705 m  
*Notoplites longispinosus* Gordon, 1984 Kermadec Ridge, New Zealand 620–775 m  
*Notoplites obliquidens* Harmer, 1926 Sulawesi, Indonesia 1430–1470 m  
*Notoplites scutatus* Harmer, 1926 Java, Indonesia 800–965 m  
*Notoplites* sp. [a] d'Hondt & Gordon 1996 New Caledonia 515 m  
*Notoplites* sp. [b] d'Hondt & Gordon 1996 New Caledonia 515 m  
*Notoplites* sp. d'Hondt & Gordon 1996 New Caledonia 1800 m  
*Penemia crassospina* d'Hondt & Gordon, 1996 New Caledonia 3690–3740 m  
*Penemia* sp. d'Hont & Gordon 1996 New Caledonia 1820–2205 m  
 \**Scrapocellaria curvata* Harmer, 1926 Indonesia 40 m  
 \**Scrapocellaria delilii* (Audouin, 1826) Red Sea n.d.  
 \**Scrapocellaria diadema* Busk, 1852 Queensland, Australia 17 m  
 \**Scrapocellaria longispinosa* Harmer, 1926 33–35 m  
 \**Scrapocellaria maderensis* Busk, 1880 Madeira, Portugal 1–20 m  
 \**Scrapocellaria ?obtecta* Haswell, 1880 Queensland, Australia n.d.  
 \**Scrapocellaria spatulata* (d'Orbigny, 1851) Red Sea 75 m  
*Semibugula elegantissima* d'Hondt & Gordon, 1996 New Caledonia 1490–1620 m
- CATENICELLIDAE Busk, 1852**
- Bryosartor sutilis* (Gordon & Braga, 1994) New Caledonia 425–1600 m  
 \**Catenicella elegans* Busk, 1852 Bass Strait, Australia 17–18 m  
*Costaticella benecostata* (Levinsen, 1909) Australia n.d.  
*Costaticella peltata* Gordon, 1993 New Caledonia 435 m  
*Strongylopora gracilis* Gordon, 1993 New Caledonia 505–510 m  
*Terminocella perlucens* Harmer, 1957 Indonesia 505–1395 m
- CELLARIIDAE Hincks, 1880**
- Cellaria obliquidens* d'Hondt & Gordon, 1999 New Caledonia 1590–1665 m  
*Cellaria parafistulosa* d'Hondt & Gordon, 1999 New Caledonia 1590–1665 m  
 \**Cellaria punctata* (Busk, 1852) Queensland, Australia 66 m  
*Cellaria tecta* Harmer, 1926 Sulawesi, Indonesia n.d.  
*Cellaria tenuirostris* (Busk, 1852) Bass Strait, Australia 1935 m  
*Cryptostomaria alata* d'Hondt & Gordon, 1999 New Caledonia 235–1410 m  
*Euginoma conica* Gordon, 1986 New Zealand 500–1190 m  
*Formosocellaria magnifica* (Busk, 1884) Mid-Atlantic 535–1870 m  
*Melicerita (Henrimilnella) articulata* d'Hondt & Gordon, 1999 New Caledonia 360 m  
*Melicerita (Henrimilnella) laurifolia* d'Hondt & Gordon, 1999 New Caledonia 360 m  
*Melicerita (Melicerita) alternans* d'Hondt & Gordon, 1999 New Caledonia 435 m  
*Melicerita (Melicerita) ejuncida* Gordon, 1986 New Zealand 355–1675 m

- Mesostomaria strictoramae* Canu & Bassler, 1927 Philippines 200–680 m  
*Mesostomaria* sp. d'Hondt & Gordon 1999 New Caledonia 503 m  
*Stomhypselosaria dupliforma* Canu & Bassler, 1929 Philippines 480–640 m  
*Syringotrema calobi* d'Hondt & Gordon, 1999 New Caledonia 510–525 m
- CELLEPORIDAE Johnston, 1838**
- Buffonellaria erecta* Gordon & d'Hondt, 1997 New Caledonia 495–515 m  
*Buffonellaria regenerata* Powell, 1967 New Zealand 360–515 m  
*Celleporina ?rota* MacGillivray, 1885 Victoria, Australia 375–550 m  
*Celleporina spatula* MacGillivray, 1887 Victoria, Australia 260–280 m  
*Galeopsis mimicus* Gordon, 1989 New Zealand 470–825 m  
*Galeopsis pentagonus* (d'Orbigny, 1842) Falkland Islands 245–515 m  
*Galeopsis lageniporoides* Gordon & d'Hondt, 1997 New Caledonia 700 m  
*Lagenipora* sp. Gordon & d'Hondt 1997 New Caledonia 775 m  
*\*Osthimosia* sp. Gordon & d'Hondt 1997 New Caledonia 65–120 m  
*Richbunea gracilis* Gordon & d'Hondt, 1997 New Caledonia 470–500 m  
*\*Scorpiodinipora bernardii* (Audouin, 1826) Red Sea n.d.  
*\*[?] Turbicellepora aculeata* (Canu et Bassler, 1929) Philippines 38 m  
*\*Turbicellepora ?tuberosa* (Smitt, 1867) Norway [doubtful ID] 35 m
- CHAPERIIDAE Jullien, 1888**
- Chaperia ?acanthina* (Lamouroux, 1825) Falkland Islands 265 m  
*\*Chaperia* sp. d'Hondt 1986 New Caledonia 57 m  
*\*Chaperiopsis cervicornis* (Busk, 1854) Bass Strait, Australia 15–20 m
- CHORIZOPORIDAE Vigneaux, 1949**
- \*Chorizopora atrox* d'Hondt, 1986 New Caledonia 67 m  
*Chorizopora brongiartii* (Audouin, 1826) Red Sea 250–350 m
- CLEIDOCHASMATIDAE Cheetham & Sandberg, 1964**
- \*Cleidochasma* sp. d'Hondt 1986 New Caledonia n.d.  
*Yrbozoon ringens* Gordon, 1989 New Zealand 515 m
- CONESCHARELLINIDAE Levinsen, 1909**
- Conescharellina atalanta* Gordon & d'Hondt, 1997 New Caledonia 110–165 m  
*Conescharellina catella* Canu & Bassler, 1929 Philippines 1660 m  
*Conescharellina crassa* Tenison-Wood, 1880 250–350 m  
*Conescharellina* sp. d'Hondt 1986 New Caledonia 250–350 m  
*Crucescharellina aster* Gordon & d'Hondt, 1997 New Caledonia 760–1980 m  
*Ptoboroa gelasina* Gordon & d'Hondt, 1997 New Caledonia 1790 m  
*Trochosodon* sp. Gordon & d'Hondt, 1997 New Caledonia 1620–1959 m
- CREPIDACANTHIDAE Levinsen, 1909**
- \*Crepidacantha crinispina* Levinsen, 1909 Thailand 33–350 m
- CRIBRILINIDAE Hincks, 1879**
- \*Cribralaria fragilis* Powell, 1967 New Zealand 35–45 m  
*\*Figularia* sp. d'Hondt 1986 New Caledonia 15–20 m  
*Klugerella musica* Gordon, 1993 New Caledonia 510–590 m  
*Membraniporella skeletos* Gordon, 1993 New Caledonia 310–315 m  
*Puellina ?flabellifera* (Kirkpatrick, 1888) Mauritius n.d.  
*Puellina harmeri* (Ristedt, 1985) Philippines 275 m  
*\*Puellina innominata* (Couch, 1844) Great Britain [doubtful ID] 67–91 m  
*\*Puellina radiata* (Moll, 1803) Mediterranean Sea [doubtful ID] n.d.  
*Puellina septemspinosa* (d'Hondt, 1986) New Caledonia n.d.  
*Puellina* sp. d'Hondt 1986 New Caledonia 15–35 m  
*Puellina* sp. d'Hondt 1986 New Caledonia 550 m
- DIDYMOSELLIDAE Brown, 1952**
- \*Didymosella inopinata* d'Hondt, 1986 New Caledonia 1–3 m  
*\*Tubiporella magnirostris* (McGillivray, 1883) Victoria, Australia 87 m
- EMINOECIIDAE Hayward & Thorpe, 1988**
- Macrocamera erecta* Gordon & d'Hondt, 1997 New Caledonia 233–360 m

**EUOPLOZOIDAE Harmer, 1926**

*Euoplozoum cirratum* (Busk, 1884) Indonesia 965–1395 m

**EUTHYRISELLIDAE Bassler, 1953**

\**Pseudoplatyglena mirabilis* Gordon & d'Hondt, 1997 New Caledonia 65–120 m

**EXECHONELLIDAE Harmer, 1957**

*Xynexecha pulchra* Gordon & d'Hondt, 1997 New Caledonia 335 m

**FARCIMINARIIDAE Busk, 1852**

*Columnella magna* (Busk, 1884) Argentina 1820–3740 m

*Columnella vipera* d'Hondt & Gordon, 1999 New Caledonia 500–1640 m

\**Didymozoum triseriale* (Philippis, 1900) New Caledonia 10–53 m

**FLUSTRIDAE Fleming, 1828**

*Carbasa lateroconulata* d'Hondt & Gordon, 1999 New Caledonia 5–5–850 m

**GIGANTOPORIDAE Bassler, 1935**

*Cosciniopsis ?coelatus* (Canu & Bassler, 1927) Sulu Archipelago, Philippines 375–550 m

\**Cosciniopsis lonchea* (Busk, 1884) Papua New Guinea 17–20 m

*Gigantopora oropiscis* Gordon & d'Hondt, 1997 New Caledonia 360 m

*Gigantopora proximalis hispida* d'Hondt, 1986 New Caledonia n.d.

\**Gigantopora* sp. d'Hondt 1986 New Caledonia 40 m

**HIANTOPORIDAE Gregory, 1893**

\**Hiantopora intermedia* (Kirkpatrick, 1890) Torres Strait 64 m

**HIPPALIOSINIDAE Winston, 2005**

\**Hippaliosina acutirostris* Canu et Bassler, 1925 Sri Lanka 35–75 m

**HIPPOPODINIDAE Levinsen, 1909**

\**Hippopodina feegensis* (Busk, 1884) Philippines n.d.

**HIPPOTHOIDAE Busk, 1859**

*Hippothoa calciophilia* Gordon, 1984 Kermadec Ridge, New Zealand 210 m

**LACERNIDAE Jullien, 1888**

\**Arthropoma cecillii* (Audouin, 1826) Red Sea 15–350 m

*Cribellopora divisopora* (Waters, 1887) New South Wales, Australia n.d.

\**Phonicosia circinata* (MacGillivray, 1869) Victoria, Australia n.d.

**LANCEOPORIDAE Harmer, 1957**

\**Calypsotheca nivea* (Busk, 1884) South Africa [doubtful ID] 3 m

\**Calypsotheca ?suluensis* Harmer, 1957 Indonesia 15 m

\**Calypsotheca perpendiculata* Tilbrook, 2006 Queensland, Australia n.d.

\**Calypsotheca inclusa* (Thorneley, 1906) Sri Lanka 67 m

\**Calypsotheca ?triquetra* (Harmer, 1957) Indonesia 69 m

*Calypsotheca ?wasinensis* (Waters, 1913) Tanzania 130–318 m

\**Calypsotheca* sp. d'Hondt 1986 New Caledonia 40 m

\**Emballotheca pacifica* Harmer, 1957 Indonesia 57 m

*Emballotheca rara* Gordon & d'Hondt, 1997 New Caledonia 775 m

**LEIOSALPINGIDAE d'Hondt & Gordon, 1996**

*Astoleiosalpinx pedunculata* d'Hondt & Gordon, 1996 New Caledonia 350–775 m

*Leiosalpinx australis* (Busk, 1884) Indonesia 500–520 m

**LEKYTHOPORIDAE Levinsen, 1909**

*Harpago dissidens* Gordon & d'Hondt, 1997 New Caledonia 515 m

[?] *Poecilopora cribritheca* (Harmer, 1957) Indonesia 230–260 m

**LEPRALIELLIDAE Vigneaux, 1949**

\**Celleporaria columnaris* (Busk, 1881) Australia 15–350 m

\**Celleporaria ?cristata* Lamarck, 1816 Australia n.d.

\**Celleporaria discoidea* (Busk, 1881) Torres Strait n.d.

\**Celleporaria fusca* (Busk, 1854) Victoria, Australia 45–75 m

\**Celleporaria ?labelligera* Harmer, 1957 Red Sea 67 m

*Celleporaria macrodon* Gordon, 1993 New Caledonia 200–250 m

*Celleporaria mamillata* (Busk, 1854) 675 m

\**Celleporaria oculata* (Lamarck, 1816) ?NW Australia 45 m



- \**Celleporaria pigmentaria* (Waters, 1909) Red Sea 17 m  
 \**Celleporaria tridenticulata* (Busk, 1881) Australia 50–180 m  
 \**Celleporaria vagans* (Busk, 1881) Crozet Island n.d.  
 \**Celleporaria ?vermiformis* (Waters, 1909) Red Sea 33–35 m  
 \**Celleporaria* spp. d'Hondt 1986 New Caledonia 8–35 m  
*Kladapheles gammadeka* Gordon, 1993 Norfolk Island 470–480 m
- MACROPORIDAE Uttley, 1949**  
 \**Macropora polymorpha* (Philipps, 1900) New Caledonia 8–54 m  
 \**Macropora spinifera* (Philipps, 1900) New Caledonia 1–87 m
- MARGARETTIDAE Harmer, 1957**  
 \**Margaretta watersi* (Canu et Bassler, 1930) Australia 1–20 m  
*Margaretta* sp. d'Hondt 1986 New Caledonia 210–220 m
- MAWATARIIDAE Gordon, 1990**  
*Mawatarius secundus* Gordon & d'Hondt, 1997 New Caledonia 515 m
- MEMBRANIPORIDAE Busk, 1852**  
*Biflustra ?limosa* Waters, 1909 Red Sea 162–965 m  
 \**Biflustra savartii* (Audouin, 1826) Red Sea 35–45 m
- MICROPORELLIDAE Hincks, 1879**  
 \**Fenestrulina ?catastictos* Gordon, 1984 Kermadec Ridge, New Zealand n.d.  
 \**Fenestrulina ?gelasinoides* Gordon, 1984 Kermadec Ridge, New Zealand 17–18 m  
*Fenestrulina ?incompta* Gordon, 1984 Kermadec Ridge, New Zealand 150–180 m  
 \**Fenestrulina mutabilis* (Hastings, 1932) Queensland, Australia 33–350 m  
 \**Fenestrulina thyreophora* (Busk, 1857) New Zealand 33–35 m  
 \**Fenestrulina* sp. d'Hondt 1986 New Caledonia 67–210 m  
 \**Microporella ciliata* (Pallas, 1766) Mediterranean Sea [doubtful ID] 67–255 m  
*Microporella lineata* Canu & Bassler, 1929 Philippines 527 m  
 \**Microporella ?orientalis* Harmer, 1957 Indonesia 40 m  
 \**Microporella* sp. Gordon & d'Hondt 1997 New Caledonia 21 m
- MICROPORIDAE Gray, 1848**  
 \**Micropora ?rimulata* Canu & Bassler, 1929 Philippines 1–3 m  
 \**Micropora angusta* MacGillivray, 1887 Victoria, Australia 17–18 m  
 \**Mollia multijuncta* (Waters, 1879) Mediterranean Sea 17–57 m  
*Promicroa dubitata* d'Hondt & Gordon, 1999 New Caledonia 50–515 m
- MONOPORELLIDAE Hincks, 1882**  
 \**Monoporella nodulifera* Hincks, 1881 Bass Strait, Australia 65 m
- ONYCHOCELLIDAE Jullien, 1882**  
*Onychocella ?subsymmetrica* Canu & Bassler, 1929 Philippines n.d.  
*Smittipora aadeoniformis* d'Hondt, 1986 New Caledonia 150–180 m  
*Smittipora cordiformis* Harmer, 1926 Sulawesi, Indonesia 15–65 m  
*Smittipora fenestrata* d'Hondt & Gordon, 1999 New Caledonia 460 m
- PASYTHEIDAE Davis, 1934**  
 \**Gemellipora eburnea* Smitt, 1873 Caribbean Sea 40–590 m
- PETALOSTEGIDAE Gordon, 1984**  
*Chelidozoum binarium* Gordon & d'Hondt, 1991 New Caledonia 295 m  
*Chelidozoum quinarium* Gordon & d'Hondt, 1991 New Caledonia 435–570 m  
*Chelidozoum ternarium* Gordon & d'Hondt, 1991 New Caledonia 410–650 m  
*Petalostegus bicornis* (Busk, 1884) Tahiti 570–1665 m  
*Petalostegus harmeri* Gordon & d'Hondt, 1991 New Caledonia 515–650 m  
*Petalostegus pseudospinosus* Gordon, 1993 New Caledonia 515–560 m  
*Petalostegus scopulus* Gordon & d'Hondt, 1991 New Caledonia 515–965 m  
*Petalostegus vexillum* Gordon & d'Hondt, 1991 New Caledonia 560–570 m
- PETRALIELLIDAE Harmer, 1957**  
 \**Mucropetraliella gaudialis* d'Hondt, 1986 New Caledonia 67 m  
 \**Mucropetraliella loculifera* Harmer, 1957 Indonesia 20 m  
 \**Mucropetraliella philippinensis* (Canu & Bassler, 1929) Philippines 40–2050 m

- Mucropetraliella robusta* (Canu & Bassler, 1929) Philippines n.d.  
 \**Mucropetraliella serrata* (Livingstone, 1926) Torres Strait 115–200 m  
 \**Mucropetraliella vultur* (Hincks, 1882) Australia 15–20 m  
 \**Petraliella chuakensis* (Waters, 1913) Tanzania n.d.  
*Riscopoda parva* Gordon, 1989 New Zealand 540–831 m  
*Riscodopa* sp. Gordon & d'Hondt 1997 New Caledonia 1620–1630 m  
 \**Sinupetraliella littoralis* Hastings, 1932 Queensland, Australia n.d.

#### **PHIDOLOPORIDAE Gabb & Horn, 1862**

- \**Fodinella spinigera* (Philipps, 1900) New Caledonia n.d.  
 \**Fodinella tuberculata* (Philipps, 1900) New Caledonia 64 m  
 \**Iodictyum ?axillare* (Ortmann, 1889) Japan 35–230 m  
*Iodictyum bicuspidatum* Gordon & d'Hondt, 1997 New Caledonia 283 m  
*Iodictyum blandum* Gordon & d'Hondt, 1997 New Caledonia 440 m  
 \**Iodictyum caledoniense* d'Hondt, 1986 New Caledonia 69–87 m  
*Iodictyum illinguum* Gordon & d'Hondt, 1997 New Caledonia 245 m  
*Iodictyum perarmatum* Harmer, 1934 Indonesia n.d.  
 \**Iodictyum praesigne* d'Hondt, 1986 New Caledonia 67 m  
*Iodictyum trochus* Gordon & d'Hondt, 1997 New Caledonia 283–775 m  
 \**Iodictyum violaceum* Hayward, 2004 New Caledonia 15–30 m  
 \**Iodictyum willeyi* Harmer, 1934 New Caledonia 45–66 m  
*Iodictyum* sp. d'Hondt 1986 New Caledonia 210–220 m  
 \**Lifuella articulata* (Philipps, 1900) New Caledonia 64 m  
 \**Lifuella calyciformis* (Philipps, 1900) New Caledonia n.d.  
 \**Lifuella ?multidentata* (Thornely, 1905) Sri Lanka 75 m  
 \**Plesioleidochasma porcellana* (Busk, 1860) Madeira [doubtful ID] 15–222 m  
 \**Reteporella graeffei* (Kirchenpauer, 1869) Fiji 39–640 m  
 \**Reteporella concinnoides* Gordon & d'Hondt, 1997 75–335 m  
*Reteporella defensa* Gordon & d'Hondt, 1997 New Caledonia 245–470 m  
*Reteporella ferox* Gordon & d'Hondt, 1997 New Caledonia 283 m  
 \**Reteporella orstomia* Gordon & d'Hondt, 1997 New Caledonia 21 m  
*Reteporella* sp. d'Hondt 1986 New Caledonia 415–460 m  
 \**Reteporellina babelensis* (Chapman, 1941) Tasmania 48 m  
 \**Reteporellina denticulata* (Busk, 1884) Hawaii 12 m  
*Reteporellina granulosa* Gordon & d'Hondt, 1997 New Caledonia 360 m  
*Reteporellina projecta* Gordon & d'Hondt, 1997 New Caledonia 760–920 m  
*Reteporellina* sp. d'Hondt 1986 New Caledonia 309 m  
 \**Rhynchozoon bifurcum* Harmer, 1957 Torres Strait 67–83  
 \**Rhynchozoon detectum* Harmer, 1957 Sulawesi, Indonesia n.d.  
 \**Rhynchozoon larreyi* (Audouin, 1826) Red Sea 17 m  
*Rhynchozoon ligulatum* Gordon & d'Hondt, 1997 New Caledonia 360–560 m  
 \**Rhynchozoon tubulosum* (Hincks, 1880) Australia 15–75 m  
 \**Rhynchozoon* sp. d'Hondt New Caledonia 8–12 m  
*Schedocleidochasma* sp. Gordon & d'Hondt 1997 New Caledonia 360 sp.  
*Stephanollona longispinata* (Busk, 1884) southern Chile 150–180 m  
 \**Triphyllozoon benemunitum* Harmer, 1957 Australia 60–69 m  
 \**Triphyllozoon ?hirsutum* (Busk, 1884) Torres Strait n.d.  
 \**Triphyllozoon mucronatum* Harmer, 1934 Philippines 45 m  
 \**Triphyllozoon* sp. d'Hondt 1986 New Caledonia 45 m

#### **PHORIOPPNIIDAE Gordon & d'Hondt, 1997**

- Opphiphorina epaxia* (Gordon, 1984) Kermadec Ridge, New Zealand 310–515 m  
*Phorioppnia cookae* Gordon & d'Hondt, 1997 New Caledonia 310–335 m  
*Phorioppnia nova* Gordon & d'Hondt, 1997 New Caledonia 360 m

#### **PORINIDAE d'Orbigny, 1852**

- Haswelliporina multiaviculata* (Gordon, 1984) Kermadec Ridge, New Zealand 311–965 m  
*Haswelliporina quinaria* Gordon & d'Hondt, 1997 New Caledonia 235–283 m

- Haswelliporina vaubani* (d'Hondt, 1986) New Caledonia 235–460 m  
*Mosaicoporina uniserialis* Gordon & d'Hondt, 1997 New Caledonia 515 m  
*Semihaskellia umbrella* Gordon & d'Hondt, 1997 New Caledonia 435–1980 m
- QUADRICELLARIIDAE Gordon, 1984**  
 \**Nellia simplex* Busk, 1852 Torres Strait, Australia n.d.  
 \**Nellia tenella* (Lamarck, 1816) ?NW Australia 20–45 m  
*Nelliella nelliformis* Harmer, 1926 Indonesia n.d.  
 \**Quadricellaria bocki* (Silén, 1941) Japan 15–1959 m
- ROMANCHEINIDAE Jullien, 1888**  
 \**Escharella* sp. d'Hondt 1986 New Caledonia 63 m  
 \**Escharoides falcifera* d'Hondt, 1986 New Caledonia 33–35 m  
 \**Exochella tricuspis* (Hincks, 1881) New Zealand 33–35 m
- SAVIGNYELLIDAE Levinsen, 1909**  
 \**Halysisis diaphana* (Busk, 1960) Madeira n.d.
- SCHIZOPORELLIDAE Jullien, 1883**  
 \**Hippomenella avicularis* (Livingstone, 1926) Queensland, Australia 0–75 m  
 \**Hippomenella vellicata* (Hutton, 1873) New Zealand 40 m  
 \**Stylopoma thornelyae* Livingstone, 1926 Queensland, Australia 87 m  
 \**Stylopoma trispinosa* (d'Hondt, 1986) New Caledonia 87 m
- SCRUPARIIDAE Gray, 1848**  
 \**Scruparia ambigua* d'Orbigny, 1841 Falkland Islands 15–20 m
- SELENARIIDAE Busk, 1852**  
 \**Selenaria punctata* Tenison-Woods, 1880 Australia n.d.
- SIPHONICYTARIDAE Harmer, 1957**  
*Siphonicytara armata* Gordon & d'Hondt, 1997 New Caledonia 675 m  
*Siphonicytara excentrica* Gordon & d'Hondt, 1997 New Caledonia 360 m  
*Siphonicytara glabra* Gordon & d'Hondt, 1997 New Caledonia 965 m  
*Siphonicytara granulosa* Gordon & d'Hondt, 1997 New Caledonia 760–790 m  
*Siphonicytara mosaica* Gordon & d'Hondt, 1997 New Caledonia 480–1980 m  
*Siphonicytara vittata* Gordon & d'Hondt, 1997 New Caledonia 435–700 m
- SMITTINIDAE Levinsen, 1909**  
*Hemismittoidea ennea* Gordon & d'Hondt, 1997 New Caledonia 515 m  
 \**Parasmittina aviculifera* (d'Hondt, 1986) New Caledonia 33–35 m  
*Parasmittina erecta* Gordon & d'Hondt, 1997 New Caledonia 500–515 m  
 \**Parasmittina exasperatrix* d'Hondt, 1986 New Caledonia 8–12 m  
 \**Parasmittina fistulata* Harmer, 1957 Torres Strait 45 m  
*Parasmittina glabra* Gordon & d'Hondt, 1997 New Caledonia 515 m  
 \**Parasmittina parsevalii* (Audouin, 1826) Red Sea 15–67 m  
 \**Parasmittina raigii* (Audouin, 1826) Red Sea 33–255 m  
 \**Parasmittina ?serrula* Soule & Soule, 1973 Hawaii 40 m  
 \**Parasmittina tropica* (Waters, 1909) Red Sea 1–69 m  
*Smittina abyssicola* (Harmer, 1957) Indonesia 210 m  
 \**Smittina alata* d'Hondt, 1986 New Caledonia 15–35 m  
*Smittina asymmetrica* Gordon & d'Hondt, 1997 New Caledonia 500–515 m  
 \**Smittina malleolus* (Hincks, 1884) Burma 35 m  
 \**Smittina* sp. d'Hondt New Caledonia n.d.  
 \**Smittoidea ?levis* (Kirkpatrick, 1890) Torres Strait 33–69 m  
*Smittoidea maunganuiensis multiporosa* Gordon & d'Hondt, 1997 New Caledonia 283 m  
*Smittoidea* sp. d'Hondt 1986 New Caledonia
- STOMACHETOSELLIDAE Canu & Bassler, 1917**  
 \**Cigclisula ?occlusa* (Busk, 1884) Torres Strait 87 m
- STEGINOPORELLIDAE Hincks, 1884**  
 \**Steginoporella* sp. d'Hondt 1986 New Caledonia 15 m
- TETRAPLARIIDAE Harmer, 1957**  
*Tetraplaria caledoniensis* d'Hondt, 1986 New Caledonia n.d.

\**Tetraplaria immersa* (Haswell, 1880) Queensland, Australia n.d.

*Tetraplaria orospinea* Gordon & d'Hondt, 1997 New Caledonia 760–1870 m

\**Tetraplaria ventricosa* (Haswell, 1881) Queensland, Australia 35–54 m

*Tetraplaria* sp. Gordon & d'Hondt 1997 New Caledonia 360 m

#### **THALAMOPORELLIDAE Levinsen, 1902**

\**Thalamoporella quadrata* Gordon, 1984 Kermadec Ridge, New Zealand 15–20 m

\**Thalamoporella rozieri* (Audouin, 1826) Red Sea n.d.

\**Thalamoporella* sp. d'Hondt 1986 New Caledonia 87 m

#### **TRYPOSTEGIDAE Gordon, Tilbrook & Winston in Winston, 2005**

\**Trypostega hankchaneyi* Tilbrook, 2006 Solomon Islands n.d.

#### **WATERSIPORIDAE Vigneaux, 1949**

\**Watersipora subtorquata* (d'Orbigny, 1852) Brazil n.d.

#### **INCERTAE SEDIS**

*Pseudolunularia* sp. d'Hondt & Gordon 1999 New Caledonia 310–315 m

\**Teuchopora biaviculata* d'Hondt, 1986 New Caledonia [not this genus] n.d.



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II7

Volume spécial

COMPENDIUM  
of marine species from  
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