

DOCUMENTS  
SCIENTIFIQUES  
et TECHNIQUES

II7

Volume spécial  
Deuxième édition

# COMPENDIUM of marine species from New Caledonia



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Institut de recherche  
pour le développement

CENTRE DE NOUMÉA

## Copepoda of New Caledonia

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Knowledge of copepods from New Caledonia is patchy. Unusually it is the parasitic and associated taxa that are better known than the free-living, with the majority of species being reported from the orders Cyclopoida (now including the Poecilostomatoida) and the Siphonostomatoida. Marine invertebrates serve as hosts to the great majority of the recorded cyclopoids and fish serve as hosts to the majority of the siphonostomatoids. The plankton is relatively poorly known but will contain a diverse array of Calanoida representing numerous families, including the Pontellidae, Acartiidae, Tortanidae and Centropagidae. These taxa have not been surveyed here. The non-calanoid planktonic taxa include the abundant taxa such as the families Oithonidae, Oncaeidae, Sapphirinidae and Corycaeidae. These families will be represented by many known species, but have also not been surveyed for the current list. The free-living Harpacticoida will be abundant and diverse in the interstitial environment as well as in the epibenthic community and in macroalgae. Little descriptive taxonomy has been carried out on the benthic copepods of New Caledonia and it is reasonable to expect that numerous new taxa will be found.

### List of taxa

#### COPEPODA H. Milne Edwards, 1840

##### CALANOIDA Sars, 1903

###### CENTROPAGIDAE Giesbrecht, 1893

*Parathalassius fagesi* Dussart, 1986

###### PARACALANIDAE Giesbrecht, 1893

*Paracalanus parvus* (Claus, 1863)

##### CYCLOPOIDA Burmeister, 1834

###### ANCHIMOLGIDAE Humes & Boxshall, 1996

*Amardopsis merulinae* Humes, 1974

*Anchimoligus abbreviatus* Humes, 1991

*Anchimoligus compressus* Humes, 1996

*Anchimoligus contractus* Humes, 1979

*Anchimoligus convexus* Humes, 1978

*Anchimoligus gratus* Humes, 1996

*Anchimoligus latens* Humes, 1978

*Anchimoligus maximus* Kim, 2003

*Anchimoligus multidentatus* Kim, 2003

*Anchimoligus nasutus* Humes, 1996

*Anchimoligus noumensis* Kim, 2003

*Anchimoligus punctilis* Humes, 1978

*Anchimoligus tanaus* Humes, 1991

*Anchimoligus tener* Humes, 1973

*Anchimoligus tenuipes* Kim, 2003

*Anchimoligus tridentatus* Kim, 2003

*Cerioxynus alatus* Humes, 1974

*Cerioxynus faviticolus* Humes, 1974

*Clamocus spinifer* Humes, 1979

*Dumbeana undulatipes* Humes, 1996

*Ephysarion ampullum* Humes, 1993

*Ephysarion lobophorum* (Humes & Ho, 1968)

*Haplomoligus incolumis* Humes, 1991

*Haplomoligus montiporae* Humes & Ho, 1968

- Jamescookina exigua* Kim, 2003  
*Jamescookina palmata* Kim, 2003  
*Juxtandrianellus probus* Humes, 1995  
*Karanges galaxeanus* Humes, 1979  
*Lipochaetes extrusus* Humes, 1996  
*Mycoxynus longicauda* Humes, 1973  
*Odontomolgus bulvalis* Humes, 1991  
*Odontomolgus exilipes* Kim, 2003  
*Odontomolgus forhani* Humes, 1978  
*Odontomolgus geminus* Kim, 2003  
*Odontomolgus mundulus* Humes, 1974  
*Odontomolgus scitulus* Humes, 1973  
*Panjakus directus* Humes, 1995  
*Panjakus necopinus* Humes, 1995  
*Panjakus platygyrae* Humes & Stock, 1973  
*Paraclamocus hiulcus* Humes, 1997  
*Schedomolgus dumbensis* Kim, 2003  
*Schedomolgus exilliculus* Humes, 1993  
*Schedomolgus idanus* Humes, 1993  
*Schedomolgus insignellus* Humes, 1993  
*Schedomolgus majusculus* Humes, 1993  
*Schedomolgus tenuicaudatus* Kim, 2003  
*Schedomolgus walteri* Kim, 2003  
*Scyphuliger aristoides* Humes, 1993  
*Scyphuliger concavipes* Humes, 1991  
*Scyphuliger eumorphus* Humes, 1993  
*Scyphuliger latus* Kim, 2003  
*Scyphuliger longicaudatus* Kim, 2003  
*Scyphuliger manifestus* Humes, 1991  
*Scyphuliger pennatus* Kim, 2003  
*Scyphuliger pilosus* Kim, 2003  
*Scyphuliger paucisurculus* Kim, 2003  
*Scyphuliger tenuatus* (Humes, 1990)  
*Uncispina latigenitalis* Humes, 1993
- ANTHESSIIDAE Humes, 1986**
- Anthessius alatus* Humes & Stock, 1965  
*Anthessius amicalis* Humes & Stock, 1965  
*Anthessius brevicauda* (Leigh-Sharpe, 1934)  
*Anthessius dolabellae* Humes & Ho, 1965  
*Anthessius pinctadae* Humes, 1973
- ASCIDICOLIDAE Thorell, 1860**
- Adenaplostoma monniotorum* Stock, 1993
- BOMOLOCHIDAE Sumpf, 1871**
- Pumiliopes capitulatus* Cressey & Boyle, 1973
- CYCLOPIDAE Dana, 1846**
- Euryte bellatula* Humes, 1991
- HERPYLLOBIIDAE Hansen, 1892**
- Eurysilenium intermedium* Stock, 1986
- KELLERIIDAE Humes & Boxshall, 1996**
- Kelleria australiensis* Bayly, 1971
- LICHOMOLGIDAE Kossmann, 1877**
- Lichomolgus chamarum* Humes, 1968  
*Lichomolgus ieversi* Thompson & A. Scott, 1903  
*Paclabius lumidus* Kossmann, 1877  
*Pterioidicola antennatus* Kim, 2003

- Stellicola novaecaledoniae* Humes, 1976  
*Stellicola oreastriphilus* Kossmann, 1877  
*Stellicola parvulipes* Humes, 1976  
*Synstellicola acanthasteris* (Humes, 1970)  
*Synstellicola pichoni* (Humes & Ho, 1967)
- MACROCHIRONIDAE Humes & Boxshall, 1996**  
*Macrochiron lytocarpi* Humes, 1966  
*Macrochiron rostratum* Humes, 1966
- MYTILICOLIDAE Bocquet & Stock, 1957**  
*Cerastocheres trochicola* Monod & Dollfus, 1932
- NOTODELPHYIDAE Dana, 1853**  
*Achelidelphys steinitzi* Lafargue & Laubier, 1977  
*Apodelphys lamellipes* Illg, 1970  
*Doropygus catalai* Illg, 1970  
*Paranotodelphys constricta* Illg, 1970
- OCTOPICOLIDAE Humes & Boxshall, 1996**  
*Octopicola regalis* Humes, 1974
- OITHONIDAE Dana, 1853**  
*Oithona simplex* Farran, 1913
- PHILOLENNIDAE Izawa, 1976**  
*Briarella disphaerocephala* Monod & Dollfus, 1932  
*Briarella risbeci* Monod, 1928
- PSEUDANTHESSIIDAE Humes & Stock, 1972**  
*Mecomerinx heterocentroti* Humes, 1977  
*Mecomerinx notabilis* (Humes & Cressey, 1961)  
*Pseudanthessius implanus* Humes, 1979  
*Pseudanthessius madrasensis* Reddiah, 1968  
*Pseudanthessius major* Stock, 1967  
*Pseudanthessius pictus* Humes, 1977  
*Pseudanthessius vinnulus* Humes, 1977  
*Senariellus diadematis* Humes, 1977  
*Senariellus latiseta* Humes, 1977
- RHYNCHOMOLGIDAE Humes & Stock, 1972**  
*Acanthomolgus astrictus* Humes & Stock, 1973  
*Acanthomolgus exilipes* (Humes & Ho, 1968)  
*Acanthomolgus gentilis* (Humes & Ho, 1968)  
*Acanthomolgus varirostratus* (Humes & Ho, 1968)  
*Alcyonomolgus bicrenatus* (Humes, 1982)  
*Alcyonomolgus insolens* (Humes & Ho, 1968)  
*Alcyonomolgus lumellifer* Humes, 1990  
*Alcyonomolgus petalophorus* (Humes, 1982)  
*Alcyonomolgus relativus* (Humes, 1982)  
*Alcyonomolgus sarcophyticus* (Humes, 1982)  
*Anisomolgus dissimilis* Humes, 1982  
*Anisomolgus ensifer* Humes, 1982  
*Anisomolgus goniodes* Humes, 1982  
*Anisomolgus protentus* (Humes & Frost, 1964)  
*Anisomolgus pterolobatus* Humes, 1982  
*Colobomolgus cristatus* (Humes & Ho, 1968)  
*Colobomolgus dentipes* (Thompson & A. Scott, 1903)  
*Colobomolgus epaxius* Humes, 1990  
*Critomolgus antennulus* Humes, 1991  
*Critomolgus audens* (Humes, 1959)  
*Critomolgus brevicaudatus* Kim, 2003  
*Critomolgus caelatus* Humes, 1985

*Critomolgus cladiellae* Humes, 1990  
*Critomolgus cylichnophorus* (Humes, 1982)  
*Critomolgus dunnae* (Humes, 1982)  
*Critomolgus foxi* (Gurney, 1927)  
*Critomolgus hispidulus* (Humes, 1982)  
*Critomolgus linguifer* Kim, 2003  
*Critomolgus magnificus* (Humes, 1964)  
*Critomolgus mandoensis* Kim, 2003  
*Critomolgus orectopus* Humes, 1990  
*Critomolgus paterellis* (Humes, 1982)  
*Critomolgus penicillatus* (Humes, 1982)  
*Critomolgus scyphulanus* (Humes, 1982)  
*Diallagomolgus productus* Humes, 1979  
*Diallagomolgus vicinus* Humes, 1979  
*Doridicola aculeatus* (Humes & Ho, 1968)  
*Doridicola cincinnatus* (Humes, 1975)  
*Doridicola cinctus* (Humes & Stock, 1973)  
*Doridicola commodus* (Humes, 1964)  
*Doridicola comparatus* (Humes, 1975)  
*Doridicola cuspis* (Humes, 1964)  
*Doridicola echinasteris* (Humes, 1976)  
*Doridicola inaequalis* (Humes & Ho, 1966)  
*Doridicola mimicus* (Humes, 1975)  
*Doridicola parvicaudatus* Kim, 2003  
*Doridicola petalopus* Humes, 1990  
*Doridicola praelongipes* (Humes, 1975)  
*Doridicola rostriipes* Humes, 1990  
*Doridicola rumphellae* Humes, 1993  
*Doridicola senticauda* Humes, 1990  
*Doridicola spinulifer* (Humes & Frost, 1964)  
*Emunoa protenta* Humes, 1996  
*Lambanetes gennulatus* Humes, 1982  
*Lambanetes stichodactylae* Humes, 1982  
*Mandobius regalis* Humes, 1991  
*Meringomolgus hamatus* Humes & Stock, 1973  
*Notoxynus crinitus* Humes, 1982  
*Notoxynus mundus* Humes, 1975  
*Numboa porosa* Humes, 1997  
*Pachysericola compressus* Kim, 2003  
*Paradoridicola adelphus* (Humes & Ho, 1968)  
*Paradoridicola angularis* Humes, 1990  
*Paradoridicola drepanophorus* Humes, 1990  
*Paradoridicola hystricosus* Humes, 1990  
*Paradoridicola simulator* Humes, 1990  
*Paradoridicola sinulariae* Humes & Stock, 1973  
*Paradoridicola squamiger* (Humes & Frost, 1964)  
*Paramolgus alcyoniicus* Humes, 1990  
*Paramolgus centor* Humes, 1990  
*Paramolgus clavatus* (Humes & Ho, 1968)  
*Paramolgus eniwetokensis* Humes, 1973  
*Paramolgus galeatus* Kim, 2003  
*Paramolgus inconstans* Humes & Dojiri, 1979  
*Paramolgus nephtheanus* Humes, 1980  
*Paramolgus pavonae* Humes, 1994  
*Paramolgus promiculus* Humes, 1980

*Paramolgus quadrangularis* Humes, 1990  
*Paramolgus setellus* Humes, 1992  
*Paramolgus spathophorus* (Humes & Ho, 1968)  
*Paramolgus subincisus* Humes, 1990  
*Paramolgus timendus* Humes, 1990  
*Paredromolgus decorus* (Humes & Frost, 1964)  
*Verutipes laticeps* Humes, 1982

**SYNAPTICOLIDAE Humes & Boxshall, 1996**

*Chauliolobion bulbosum* Humes, 1975  
*Chauliolobion halodeimatis* Humes, 1975  
*Chauliolobion tylotus* Humes, 1975  
*Lecanurius planifrontalis* Humes, 1980  
*Scambicornus calcaratus* Humes, 1975  
*Scambicornus campanulipes* (Humes & Cressey, 1961)  
*Scambicornus idoneus* (Humes & Cressey, 1961)  
*Scambicornus modestus* (Humes & Cressey, 1961)  
*Scambicornus poculiferus* (Humes & Cressey, 1961)  
*Scambicornus sewelli* Humes, 1975  
*Scambicornus subtilis* (Humes & Cressey, 1961)  
*Scambicornus tuberatus* (Humes & Cressey, 1961)  
*Scambicornus tylotus* Humes, 1975

**TAENIACANTHIDAE Wilson, 1911**

*Clavisodalis abbreviatus* Dojiri & Humes, 1982  
*Clavisodalis dilatatus* Dojiri & Humes, 1982  
*Clavisodalis parvibullatus* Dojiri & Humes, 1982  
*Clavisodalis tenuis* Dojiri & Humes, 1982  
*Echinosocius finitimus* Dojiri & Humes, 1982  
*Echinosocius gulicolus* Dojiri & Humes, 1982  
*Irodes sauridi* (Pillai, 1963)  
*Metataenicanthus vulgaris* Cressey & Cressey, 1979  
*Taeniacanthus aluteri* (Avdeev, 1977)  
*Taeniacanthus kitamakura* (Yamaguti & Yamasu, 1959)

**XARIFIIDAE Humes, 1960**

*Lipochrus acroporinus* Humes & Dojiri, 1982  
*Xarifia albusa* Humes & Dojiri, 1982  
*Xarifia acicularis* Humes, 1985  
*Xarifia anomala* Humes & Ho, 1968  
*Xarifia diminuta* Humes & Ho, 1967  
*Xarifia echinopora* Humes & Dojiri, 1982  
*Xarifia eminula* Humes, 1985  
*Xarifia fastigiata* Humes & Dojiri, 1982  
*Xarifia fimbriata* Humes, 1960  
*Xarifia finitima* Humes, 1985  
*Xarifia formosa* Humes, 1985  
*Xarifia gerlachi* Humes, 1962  
*Xarifia guttulifera* Humes & Dojiri, 1982  
*Xarifia imitans* Humes, 1985  
*Xarifia imparilis* Humes, 1985  
*Xarifia jugalis* Humes, 1985  
*Xarifia levis* Humes, 1985  
*Xarifia mucronata* Humes & Dojiri, 1982  
*Xarifia obesa* Humes & Ho, 1968  
*Xarifia pectinea* Humes & Dojiri, 1982  
*Xarifia quinaria* Humes, 1985  
*Xarifia rosariae* Humes & Dojiri, 1982

*Xarifia sabiuraensis* Misaki, 1978  
*Xarifia sectilis* Humes, 1985  
*Xarifia simplex* Humes, 1985  
*Xarifia temnura* Humes & Ho, 1968  
*Xarifia trituberata* Humes & Dojiri, 1982  
*Xarifia tumorisa* Misaki, 1978  
*Xarifia umbonata* Humes, 1985  
*Xarifia varilabrata* Humes, 1985  
*Xarifia villosa* Humes & Dojiri, 1982

**FAMILY UNCERTAIN**

*Ruthra humesi* Kim, 2003

**HARPACTICOIDA Sars, 1903**

**AMEIRIDAE Monard, 1927**

*Ameira parvula* (Claus, 1866)

*Nitocra affinis* Gurney, 1927

*Psyllocamptus minutus* Sars, 1911

**CANUELLIDAE Lang, 1944**

*Intersunaristes dardani* (Humes & Ho, 1969)

*Sunaristes inaequalis* Humes & Ho, 1969

**ECTINOSOMATIDAE Sars, 1903**

*Ectinosoma acutorostratum* Vervoort, 1962

**HAMONDIIDAE Huys, 1990**

*Ambunguipes rufocincta* (Brady, 1880)

**HARPACTICIDAE Dana, 1846**

*Harpacticus compsonyx* Monard, 1926

**LAOPHONTIDAE T. Scott, 1905**

*Corbulaseta bulligera* (Farran, 1913)

*Laophonte thoracica* Boeck, 1865

*Paralaophonte obscura* Vervoort, 1962

**MIRACIIDAE Dana, 1846**

*Amphiascus angustipes* Gurney, 1927

*Paramphiascella pacifica* Vervoort, 1962

**PELTIDIIDAE Sars, 1904**

*Alteuthellopsis corallina* Humes, 1981

**PORCELLIDIIDAE Boeck, 1865**

*Porcellidium brevicaudatum* Thompson & A. Scott, 1903

**THALESTRIDAE Sars, 1905**

*Dactylopodella clypeata* Sars, 1911

**TISBIDAE Stebbing, 1910**

*Tisbe acanthifera* Vervoort, 1962

**SIPHONOSTOMATOIDA Burmeister, 1835**

**ASTEROCHERIDAE Giesbrecht, 1899**

*Asteropontius acroporus* Kim, 2003

*Asteropontius brevioris* Kim, 2003

*Asteropontius caledoniensis* Kim, 2003

*Asteropontius dissimilis* Kim, 2003

*Asteropontius minutus* Kim, 2003

*Collocheres commantiphilus* Humes, 1987

*Collocheres serrulatus* Humes, 1987

*Glyptocheres extrusus* Humes, 1987

*Hetairosyna laciniata* Humes, 1991

*Hetairosyna sororia* Humes, 1991

*Hetairosyna terpena* Humes, 1991

*Orecturus amplus* Humes, 1996

*Tondua tholincola* Humes, 1997

**CALIGIDAE Burmeister, 1835**

- Alebion carchariae* Krøyer, 1863  
*Alebion gracilis* Wilson, 1905  
*Avitocaligus assurgericola* Boxshall & Justine, 2005  
*Caligus bonito* Wilson, 1905  
*Caligus confusus* Pillai, 1961  
*Caligus cordyla* Pillai, 1963  
*Caligus coryphaenae* Steenstrup & Lutken, 1861  
*Caligus infestans* Heller, 1868  
*Caligus isonyx* Steenstrup & Lütken, 1861  
*Caligus lobodes* (Wilson, 1911)  
*Caligus* cf. *mauritanicus* Brian, 1924  
*Caligus novocaledonicus* Kabata, 1968  
*Caligus productus* Dana, 1852  
*Gloiopotes hygomanus* Steenstrup & Lutken, 1861  
*Gloiopotes watsoni* Kirtisinghe, 1934  
*Paralebion elongatus* Wilson, 1911  
*Pseudanuretes fortipedis* Kabata, 1965

**DISSONIDAE Yamaguti, 1963**

- Dissonus manteri* Kabata, 1966  
*Dissonus spinifer*, Wilson, 1906

**EUDACTYLINIDAE Wilson, 1922**

- Nemesis robusta* (van Beneden, 1851)

**HATSCHEKIIDAE Kabata, 1979**

- Hatschekia balistae* Nunes-Ruivo, 1954  
*Hatschekia cernae* Goggio, 1905  
*Hatschekia* cf. *plectropomi* Ho & Dojiri, 1966  
*Hatschekia sphyraeni* Pillai, 1964

**KROYERIIDAE Kabata, 1979**

- Kroyeria dispar* Wilson, 1935

**LERNANTHROPIDAE Kabata, 1979**

- Lernanthropus cadenati* Delamare Deboutteville & Nunes Ruivo, 1954  
*Lernanthropus corniger* Yamaguti, 1954  
*Lernanthropus tylosuri* Richiardi, 1880  
*Norion priacanthi* (Kirtisinghe, 1956)  
*Sagum epinepheli* (Yamaguti & Yamasu, 1960)

**LERNAEOPODIDAE Olsson, 1869**

- Brachiella thynni* Cuvier, 1830  
*Margolisius* cf. *abditus* Benz, Kabata & Bullard, 2000  
*Naobranchia* cf. *spinosa* Pearse, 1952  
*Parabrachiella appendiculata* (Heegaard, 1947)

**NANASPIDIDAE Humes & Cressey, 1959**

- Nanaspis mixta* Humes, 1975

**PANDARIDAE Milne Edwards, 1840**

- Demoleus latus* Shiino, 1954  
*Dinemoura latifolia* (Steenstrup & Lutken, 1861)  
*Echthrogaleus coleoptratus* (Guerin-Meneville, 1837)  
*Nesippus crypturus* Heller, 1868  
*Nesippus tigris* Cressey, 1967  
*Pandarus satyrus* Dana, 1852  
*Pandarus smithii* Rathbun, 1886  
*Pseudopandarus gracilis* Kirtisinghe, 1950

**PENNELLIDAE Burmeister, 1835**

- Lernaeolophus striatus* Wilson, 1913

**PSEUDOCYCNIDAE Wilson, 1922**

- Pseudocycnus appendiculatus* Heller, 1868

**STELLICOMITIDAE Humes & Cressey, 1958**

- Astroxyenus culcitae* Humes, 1971