

A checklist of species of *Cylindroleberididae* (Crustacea: Ostracoda)

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Abstract

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Presented here is a checklist for the *Cylindroleberididae*, including a list of current genera, species, synonyms, type localities, and remarks concerning taxonomic uncertainties. A taxonomic history of the family is provided, along with a listing of higher systematics. There are currently three subfamilies, five tribes, 32 genera and 219 described species. A checklist is a necessary starting point for a future systematic revision of the *Cylindroleberididae*.

Keywords

Crustacea, Ostracoda, *Cylindroleberididae*, checklist

Introduction

Cylindroleberidid ostracods are found in the marine environment at all latitudes and depths. Currently there are 219 described species in 32 genera. As a family they are well-defined by several morphological features, including gills. Early monographs described the family and known species in detail (Skogsberg, 1920; Poulsen, 1965). Major monographs of the last 50 years are by Kornicker (e.g., 1975, 1981b, 1986). For all ostracods, a large database in several volumes is available by Kempf, (1986-2004), which lists references to all described genera and species. However, this database can only be searched by species or genera; it is not searchable by higher taxonomic categories such as family.

This report provides a reference point for those wishing to identify *cylindroleberidid* ostracods and is a basis for a future systematic revision. It includes a checklist of genera and species of *Cylindroleberididae*, including type species and synonyms. Although the family is well-defined, there is some uncertainty regarding the types of some genera and species. For example, the holotype of the type species of *Cylindroleberis* (type genus of the family), *Cypridina mariae* Baird, 1850 does not exist. In order to facilitate a systematic revision, this report lists the taxa and comments on taxonomic uncertainty, such as missing holotypes, description being only from a male (important diagnostic features are based on the female), or a description being from a unique specimen.

To begin, we review the taxonomic history of the *Cylindroleberididae*, followed by a summary of the higher systematics of the family as now accepted by Kornicker (e.g., 1981b); there are no current alternate views on this classification. Genera and their species are then listed alphabetically with necessary comments. Finally, a combined alphabetical list is provided of genera, species, and synonyms.

Taxonomic history of *Cylindroleberididae*

Cylindroleberidid ostracods were first described under the generic names *Cypridina* Milne-Edwards, 1840 and *Asterope* Philippi, 1840. Brady (1868) erected the genus *Cylindroleberis* but later (1871) synonymized it with *Asterope*. The subsequent

use of these genus names for the same generic concept caused some confusion. Müller used alternately *Asterope* (1890, 1912) and *Cylindroleberis* (1893, 1894, 1906). *Cylindroleberis* was preferred by some workers to avoid confusion with an echinoderm genus also named *Asterope* in 1840. However, some later authors (e.g., Skogsberg, 1920) continued to use *Asterope*, or later, another replacement name, *Asteropina* Strand, 1928.

By the late 19th century, *cylindroleberidids* were recognized as a group separate from *cypridinids* (Brady, 1871; Claus, 1876; Sars, 1865). Brady and Norman (1896) erected the family *Asteropidae* for *Asterope*. Brady (1897) erected a new genus *Cyclasterope*, which Müller (1906) referred with *Cylindroleberis* (= *Asterope*) to the *Cylindroleberidinae*, a new subfamily erected by him within the *Cypridinidae*.

The first major taxonomic work on the *Cylindroleberididae* was by Skogsberg (1920), part of a larger work on marine Ostracoda. Noting that the work to date on ostracods was largely based on missing material (e.g., Sars, 1887), or described the carapace only (e.g., Brady 1902) or considered too few characters, Skogsberg provided a thorough taxonomic treatment of the family. *Asterope* (= *Cylindroleberis*) and *Cyclasterope* were rediagnosed; *Cycloleberis* and *Asteropteron* were erected. Six new species were described and some existing species were given supplementary descriptions. Important diagnostic characters were established, such as the configuration of the *s*-seta, presence of the *d*-seta (on the first antenna) and *e*-seta (on the mandible).

Poulsen's (1965) *Dana Report* advanced ostracod taxonomy. The four existing *cylindroleberidid* genera were retained, and ten new ones erected, although six were *nomina nuda*. Poulsen did not designate type species for the new genera and thus only the monotypic genera (*Microasteropteron*, *Dolasterope*, *Bruuniella*, and *Archasterope*) were valid according to the International Code of Zoological Nomenclature. Five of Poulsen's remaining genera (*Asteropella*, *Heptonema*, *Diasterope*, *Parasterope*, and *Synasterope*) were later validated by Kornicker (1975) as discussed in Kornicker (1986). The genus *Philippiella* was not validated and its two species were later placed into other genera. To accommodate the expanding number of *cylindroleberidid* genera, Poulsen designated two subfamilies: the *Cyclasteropinae* (*Cyclasterope*, *Cycloleberis*,

Asteropteron and two new genera) and the Asteropinae (*Asteropina* (= *Cylindroleberis*) and eight new genera). These subfamilies were distinguished by setal counts on part of the first antenna and the maxilla endopod.

Most of the work on the Cylindroleberididae in the last fifty years is by Kornicker (e.g., 1974b, 1975, 1981b, 1986), including the description of more than one hundred new species and 24 genera. Kornicker (1981b) discussed the taxonomic history of the family.

Hartmann (1974) did not follow Poulsen's classification, instead erecting two new subfamilies: Cylindroleberidinae and Cycloleberidinae. Except for the placement of *Cyclasterope*, these subfamilies were the same as Poulsen's Asteropinae and Cyclasteropinae respectively. Kornicker (1981b) rejected this classification and retained that of Poulsen. He also erected the subfamily Asteropteroninae (1981b), split from Cyclasteropinae on the basis of carapace morphology. He adopted the subfamily name Cylindroleberidinae to reflect the effective replacement of the type genus *Asterope* by *Cylindroleberis*.

The type species of *Cylindroleberis* is *Cypridina mariae* Baird, 1850, subsequently designated by Sylvester-Bradley (1961). Unfortunately, the appendages were not described and the material is lost, leading to some uncertainty about the systematics of the group (Bowman and Kornicker, 1967).

Higher systematics of Cylindroleberididae

Family Cylindroleberididae Müller, 1906

Asteropidae Brady and Norman, 1896: 628
Cylindroleberidinae Müller, 1906: 32
Asteropinae.—Müller, 1912: 42
Cylindroleberididae.—Sylvester-Bradley, 1961: Q402 [new status]

Remarks. Although Brady and Norman created the family in 1896, it was based on a preoccupied name (*Asterope*). Hence the family is based on the earliest available name (*Cylindroleberis*). Poulsen (1965) split the family into two subfamilies, Asteropinae (=current Cylindroleberidinae) and Cyclasteropinae. The latter was further split by Kornicker (1981b) to make a new subfamily Asteropteroninae.

Subfamily Cylindroleberidinae Müller, 1906

Cylindroleberidinae Müller, 1906: 32
Asteropinae.—Poulsen 1965: 167

Remarks. Two tribes were introduced by Kornicker and Harrison-Nelson (2005) to separate the distinctive genus *Bruuniella* from the other genera.

Tribe Cylindroleberidini Müller, 1906

Cylindroleberidini.—Kornicker and Harrison-Nelson, 2005: 324 [new status]

Included genera. *Synasterope*, *Polyleberis*, *Cylindroleberis*, *Prionotoleberis*, *Postasterope*, *Homasterope*, *Monasterope*, *Parasterope*, *Heptonema*, *Diasterope*, *Xenoleberis*, *Bathyleberis*, *Domromeus*, *Skogsbergiella*, *Xandarasterope*, *Dolasterope*, *Archasterope*.

Tribe Bruuniellini Kornicker and Harrison-Nelson 2005

Bruuniellini Kornicker and Harrison-Nelson, 2005: 330.

Included genus: *Bruuniella*.

Subfamily Cyclasteropinae Poulsen, 1965

Cyclasteropinae Poulsen, 1965: 167.

Remarks. Kornicker (1981b) recognized three tribes. Hartmann's (1974) subfamily Cycloleberidinae was given new status as a tribe (although only retaining one of his genera, *Cycloleberis*, and two new genera). Cyclasteropini contained *Cyclasterope*, and a new tribe was erected, the Tetraleberidini, for two new genera.

Tribe Cyclasteropini Poulsen, 1965

Cyclasteropini.—Kornicker, 1981b: 73 [new status]

Included genus: *Cyclasterope*.

Tribe Tetraleberidini Kornicker, 1981

Tetraleberidini Kornicker, 1981b: 133.

Included genera: *Tetraleberis*, *Amboleberis*.

Tribe Cycloleberidini Hartmann, 1974

Cycloleberidinae Hartmann, 1974: [part; *Cycloleberis* only].
Cycloleberidini.—Kornicker, 1981b: 78 [new status].

Included genera: *Cycloleberis*, *Leuroleberis*, *Alphaleberis*.

Subfamily Asteropteroninae Kornicker, 1981

Asteropteroninae Kornicker, 1981b: 189.

Included genera: *Asteropella*, *Omegasterope*, *Pteromeniscus*, *Macroasteropteron*, *Microasteropteron*, *Asteropteron*, *Actinoseta*, *Asteropterygion*.

Checklist (alphabetical by genus and species)

Actinoseta Kornicker, 1958

Actinoseta Kornicker, 1958: 243

Type species. *Actinoseta chelisarsa* Kornicker, 1958: 244 by original designation.

Actinoseta chelisarsa Kornicker, 1958

Actinoseta chelisarsa Kornicker, 1958: 244

Type locality. Bimini, Bahamas, USA.

Actinoseta hummelincki Kornicker, 1981

Actinoseta hummelincki Kornicker, 1981b: 201

Type locality. Virginia Key, Florida, USA, 2 m depth.

Actinoseta jonesi Kornicker, 1981

Actinoseta jonesi Kornicker, 1981b: 210

Type locality. West of Punta Charagata, Isla Cubaque, Venezuela, <1.5 m depth.

Actinoseta nodosa Kornicker, 1981

Actinoseta nodosa Kornicker, 1981b: 215

Type locality. Male Atoll, Maldives, Indian Ocean, 0.3 m depth.

Alphaleberis Kornicker, 1981

Alphaleberis Kornicker, 1981b: 123

Type species. *Alphaleberis alphathrix* Kornicker, 1981 by original designation.

Alphaleberis alphathrix Kornicker, 1981

Alphaleberis alphathrix Kornicker, 1981b: 123

Type locality. East Beach, Nosy Ve Island, Madagascar, infralittoral.

Amboleberis Kornicker, 1981

Amboleberis Kornicker, 1981b: 167

Type species. *Asterope americana* Müller, 1890 by original designation.

Amboleberis americana (Müller, 1890)

Asterope americana Müller, 1890: 240

Asterope dentata.—Müller, 1890: 240 [lapsus]

Cyldroleberis americana.—Müller, 1894: 218 [inferred]

Cyclasterope brevis.—Brady, 1902: 183

Cyclasterope amerikana.—Müller, 1912: 33

Cyclasterope americana.—Müller, 1912: 48

Cyclasterope deutata.—Müller, 1912: 48 [misspelling of *C. dentata* in synonymy]

Cycloleberis americana.—Skogsberg, 1920: 442

Cyclasterope priacanthus Tressler, 1949: 338

Cyclasterope tripla Tressler, 1949: 340

Cyclasterope sphaerica Tressler, 1949: 336

Cycloleberis biminiensis Kornicker, 1958: 232, 243

Cyclasterope biminiensis.—Darby, 1965: 30

Cycloleberis priacanthus.—Poulsen, 1965: 245

Cycloleberis tripla.—Poulsen, 1965: 245

Cycloleberis sphaerica.—Poulsen, 1965: 245

Amboleberis americana.—Kornicker, 1981b: 168

Type locality. Coast of South America (Pernambuco), pelagic.

Taxonomic decision for synonymy. Kornicker (1981b: 168) [most recent synonym list]

Remarks. The holotype is likely to be lost. A supplementary description of an adult female was provided by Kornicker (1981b).

Amboleberis antyx Kornicker, 1981

Amboleberis antyx Kornicker, 1981b: 181

Type locality. outer slope, Grand Recif, Madagascar, 17 m depth.

Amboleberis cubensis Lalana and Kornicker, 1997

Amboleberis cubensis Lalana and Kornicker, 1997: 108

Type locality. Cayo los Dromedarios, north coast of Cuba, 1 m depth.

Remarks. The species is based on a unique specimen.

Archasterope Poulsen, 1965

Archasterope Poulsen, 1965: 339

Philippiella Poulsen, 1965: 344 [part] [nomen nudum, without type species; 2 included species, *Asterope quinquesetae* now included in *Archasterope*, and *Asterope spinifera* now in *Skogsbergiella*]

Empoulsenia Kornicker, 1975: 499

Type species. *Archasterope dentata* Poulsen, 1965 by monotypy.

Taxonomic decision for synonymy. Some species of *Empoulsenia* (including the type species *Empoulsenia quinquesetae*) were included in *Archasterope* by Kornicker (1993); synonymy by Kornicker (in Kornicker and Poore, 1996: 142).

Remarks. The genus diagnosis was emended by Kornicker (in Kornicker and Poore, 1996: 142).

Archasterope altrix Kornicker, 1996

Archasterope altrix Kornicker, in Kornicker and Poore, 1996: 154

Type locality. South of Point Hicks, Victoria, Australia, 800 m depth. 38°16.40'S, 149°27.60'E.

Archasterope antarctica (Kornicker, 1975)

Empoulsenia antarctica Kornicker, 1975: 509

Archasterope antarctica.—Kornicker, 1993: 116

Type locality. Weddell Sea, South Shetland Islands, Antarctic, 220–240 m depth.

Archasterope apex Kornicker, 1996

Archasterope apex Kornicker, in Kornicker and Poore, 1996: 150

Type locality. off Freycinet Peninsula, Tasmania, Australia, 500 m depth. 47°58.60'S, 148°38.80'E.

Remarks. The species is based on a unique specimen.

Archasterope bulla Kornicker, 1975

Archasterope bulla Kornicker, 1975: 384

Type locality. Tierra del Fuego, Strait of Magellan, Subantarctic, 280 m depth.

Archasterope dentata Poulsen, 1965

Archasterope dentata Poulsen, 1965: 339

Type locality. off southeast Australia, 180 m depth. 38°12'S, 149°40'E.

Remarks. The first antennae are missing from the holotype and paratype (Kornicker, 1989). Thus, it cannot be verified whether the d-seta is a filament or a spine. Other species in the genus have a filament.

Archasterope efficax Kornicker, 1996

Archasterope efficax Kornicker, in Kornicker and Poore, 1996: 143

Type locality. off Freycinet Peninsula, Tasmania, Australia, 400 m depth. 41°57.50'S, 148°37.90'E.

Archasterope monothrix (Kornicker, 1988)

Empoulsenia monothrix Kornicker, 1988: 24

Archasterope monothrix.—Kornicker, in Kornicker and Poore, 1996: 142

Type locality. Beaufort Sea, Arctic Ocean, 101 m depth. 71°23'30'' N, 152°43'00'' W.

Archasterope pentathrix (Kornicker, 1971)

Philippiella pentathrix Kornicker, 1971: 205

Empoulsenia pentathrix.—Kornicker, 1975: 502

Archasterope pentathrix.—Kornicker, 1993: 116

Type locality. Greenwich Island, South Shetland Islands, Antarctica.

Archasterope polythrix (Chavtur, 1983)

Archasterope polythrix Chavtur, 1983 [reference not sighted]

Remarks. We were unable to obtain this reference; hence we do not have information about the type locality.

Archasterope quinquesetae (Skogsberg, 1920)

Asterope quinquesetae Skogsberg, 1920: 470

Philippiella quinquesetae.—Poulsen, 1965: 344

Empoulsenia quinquesetae.—Kornicker, 1975: 501

Archasterope quinquesetae.—Kornicker, 1993: 112

Type locality. South Georgia, off mouth of Cumberland Bay. 54°11'S, 36°18'W.

Archasterope unisetosa (Hartmann, 1989)

Empoulsenia unisetosa Hartmann, 1989: 236

Archasterope unisetosa.—Kornicker, 1993: 119

Type locality. vicinity of Elephant Island, South Georgia district, Antarctic region, 427 m depth.

***Archasterope verax* Kornicker, 1996**

Archasterope verax Kornicker, in Kornicker and Poore, 1996: 157

Type locality. off Freycinet Peninsula, Tasmania, Australia, 1264 m depth. 42°00.25'S, 148°43.55'E.

***Archasterope weddellensis* (Kornicker, 1975)**

Empoulsenia weddellensis Kornicker, 1975: 514

Archasterope weddellensis.—Kornicker, 1993: 117

Type locality. Continental subregion, Antarctic region, 132-650 m depth.

Remarks. A juvenile (A-1) female is known, but no adult female is known.

***Asteropella* Kornicker, 1975**

Asteropella Poulsen, 1965: 222 [nomen nudum; without type species; 3 included species, *Asteropella mortenseni*, *A. punctata*, *A. monambon*] *Asteropella* Kornicker, 1975: 557 [designated type species]

Type species. *Asteropella mortenseni* Poulsen, 1965 by original designation, Kornicker, 1975.

***Asteropella agassizii* (Müller, 1870)**

Cypridina Agassizii Müller, 1870: 255

Cylindroleberis Agassizii.—Müller, 1894: 218. [combination inferred]

Cyclasterope agassizii.—Müller, 1912: 48

Asteropteron Agassizi.—Skogsberg, 1920: 88

Cyclasterope agassizi.—Poulsen, 1965: 225

Asteropella agassizii.—Kornicker, 1981b: 231

Type locality. Florianopolis, Santa Catarina Island, southern coast of Brazil.

Remarks. There is no holotype selected.

***Asteropella kalkei* Kornicker, 1986**

Asteropella kalkei Kornicker, 1986: 117

Type locality. Off Weeks Island, Louisiana, USA, 6.4 m depth. 29°04'22"N, 91°44'24"W.

***Asteropella kaufmani* Kornicker, 1981**

Asteropella kaufmani Kornicker, 1981b: 268

Type locality. Naos Island, Panama, 1.2 m depth.

***Asteropella maclaughlinae* Kornicker, 1981**

Asteropella maclaughlinae Kornicker, 1981b: 244

Type locality. Anclote Anchorage, west coast of Florida, USA, 1 m depth.

***Asteropella monambon* (Kornicker, 1958)**

Asteropteron monambon Kornicker, 1958: 281

Asteropella monamba.—Poulsen 1965: 225

Asteropella monambon.—Kornicker, 1975: 561

Type locality. Bimini, Bahamas, 3-20 m depth.

Remarks. The sex of the holotype was unknown at the time of description. A subsequent analysis by Kornicker (1981b) indicated that the holotype was a male. A supplementary description of the adult male and a description of the adult female were provided by Kornicker (1981b).

***Asteropella mortenseni* Poulsen, 1965**

Asteropella mortenseni Poulsen, 1965: 169

Type locality. Virgin Islands, West Indies, 20-40 m depth.

***Asteropella pax* Kornicker, 1986**

Asteropella species 1 Kornicker, 1981b: 275

Asteropella pax Kornicker, 1986: 124

Type locality. Gulf of Mexico, 15 m depth.

***Asteropella punctata* Poulsen, 1965**

Asteropella punctata Poulsen, 1965: 169

Asteropella punctatum Poulsen, 1965: 478

Type locality. East coast of Thatch Island, West Indies, 25-30 m depth.

***Asteropella rotundicostata* (Hartmann, 1965)**

Cycloleberis rotundicostata Hartmann, in Hartmann-Schröder and Hartmann, 1965: 326

Asteropella rotundicostata.—Kornicker, 1975: 559

Type locality. Bahia Ingles off Chile, 41°48'S, 75°53'W.

Remarks. The species is based on a unique specimen.

***Asteropella scammonensis* McKenzie, 1965**

Asteropella scammonensis McKenzie, 1965: 60

Type locality. Scammon lagoon, Baja California.

Remarks. Kornicker (1981b: 40) considers the species description to be based on juvenile specimens.

***Asteropella slatteryi* Kornicker, 1981**

Asteropella species Tuel et al., 1976: 141

Asteropella slatteryi Kornicker, 1981b: 260

Type locality. Northern part of Monterey Bay, California, USA, 16 m depth. 36°57'06"N, 121°56'12"W.

***Asteropella trithrix* Kornicker, 1981**

Asteropella trithrix Kornicker, 1981b: 251

Type locality. Bahia de los Angeles, 7 m depth.

***Asteropteron* Skogsberg, 1920**

Asteropteron Skogsberg, 1920: 442

Type species. *Asterope fusca* Müller, 1890 by original designation.

***Asteropteron fuscum* (Müller, 1890)**

Asterope fusca Müller, 1890: 242

Cylindroleberis fusca.—Kajiyama, 1912: 617

Cyclasterope fusca.—Müller, 1912: 48

Asteropteron fuscum.—Skogsberg, 1920: 443

Type locality. off the Japanese coast, Enoshima, Fujisawa-shi.

Remarks. There are five syntypes for this species. Hiruta (1979) redescribed the species based on new specimens from Kyushu, Japan. Kornicker (1981b) discussed and redescribed Müller's type specimens.

***Asteropterygion* Kornicker, 1981**

Asteropterygion Kornicker, 1981b: 281

Type species. *Asteropterygion thomassini* Kornicker, 1981 by original designation.

***Asteropterygion climax* Kornicker, 1996**

Asteropterygion climax Kornicker, 1996: 65

Type locality. Gulf of Carpentaria, in vicinity of Weipa, Queensland, Australia, 10 m depth.

Remarks. The species is based on male specimens only; there are no known females.

***Asteropterygion dayi* Kornicker, 1981**

Asteropterygion dayi Kornicker, 1981b: 321

Type locality. Langebaan Lagoon, South Africa, 4.5 m depth.

***Asteropterygion hirsutum* (Poulsen, 1965)**

Asteropteron hirsutum Poulsen, 1965: 187

Asteropterygion hirsutum.—Kornicker, 1981: 321

Type locality. Malayan Archipelago, Danish Key Island Expedition, 30 m depth.

Remarks. The species is based on a unique specimen which is a juvenile male.

***Asteropterygion hulingsi* (Kornicker, 1975)**

Asteropteron hulingsi Kornicker, 1975: 562

Asteropterygion hulingsi.—Kornicker, 1981b: 289

Type locality. South Atlantic, east of Argentina, 44 m depth. 40°11'S, 60°27'W.

Remarks. There are no adult specimens known for this species.

***Asteropterygion liguriae* (Granata, 1915)**

Cyclasterope liguriae Granata, 1915: 30

Asteropterygion liguriae.—Kornicker, 1981b: 284

Type locality. Bay of Thursday Island, Torres Strait, 4 m depth. 10°35'08''S, 142°13'14''E.

Remarks. The specimens could be conspecific with *Asteropterygion magnum* (Kornicker, 1981b). The holotype is probably lost.

***Asteropterygion magnum* (Poulsen, 1965)**

Asteropteron magnum Poulsen, 1965: 178

Asteropterygion magnum.—Kornicker, 1981b: 320

Type locality. Off Disaster Bay, southeast Australia, 65-90 m depth.

***Asteropterygion nodulosum* (Poulsen, 1965)**

Asteropteron nodulosum Poulsen, 1965: 201

Asteropterygion nodulosum.—Kornicker, 1981b: 286

Type locality. False Bay, Cape of Good Hope, South Africa, 20 m depth.

Remarks. The species is based on an adult male only, there are no known adult females for this species.

***Asteropterygion oculitristis* (Darby, 1965)**

Asteropteron oculitristis Darby, 1965: 29

Asteropterygion oculitristis.—Kornicker, 1981b: 290

Type locality. Off Sapelo Island, Georgia, USA, 18 m depth.

***Asteropterygion peterseni* Kornicker, 1981**

Asteropterygion peterseni Kornicker, 1981b: 328

Type locality. Off Tanzania, in vicinity of Kunduchi, 0-25 m depth.

***Asteropterygion romei* Kornicker, 1981**

Asteropterygion romei Kornicker, 1981b: 312

Type locality. Off Kunduchi, Tanzania, 2 m depth.

***Asteropterygion samoa* Kornicker and Harrison-Nelson, 2006**

Asteropterygion samoa Kornicker and Harrison-Nelson, 2006: 252

Type locality. Fagatele Bay, Tutuila, American Samoa, 21-24 m depth. 14°21.96'S, 170°45.85'W.

Remarks. The species is based on a unique juvenile female specimen.

***Asteropterygion setiferum* (Kornicker and Caraion, 1974)**

Asteropteron setiferum Kornicker and Caraion, 1974: 66

Asteropterygion setiferum.—Kornicker, 1981b: 286

Type locality. Off Mauritania, 1100? m depth.

***Asteropterygion skogsbergi* (Poulsen, 1965)**

Asteropteron skogsbergi Poulsen, 1965: 206

Asteropteron cf. *spinosum* Hartmann, 1974: 235

Asteropterygion skogsbergi.—Kornicker, 1981b: 299

Type locality. off Mombasa, Kenya, 33 m depth.

Taxonomic decision for synonymy. Kornicker (1981b).

Remarks. The labelling of the holotype is uncertain, (Kornicker, 1981b: 300).

***Asteropterygion spinosum* (Poulsen, 1965)**

Asteropteron spinosum Poulsen 1965: 212

Asteropterygion spinosum.—Kornicker, 1981b: 300

Type locality. Off Mombasa, Kenya, 33 m depth.

Remarks. The holotype is considered lost. The species is based on a unique specimen (Kornicker, 1981b).

***Asteropterygion thailandicum* (Poulsen, 1965)**

Asteropteron thailandicum Poulsen, 1965: 193

Asteropterygion thailandicum.—Kornicker, 1981b: 286

Type locality. Koh Kam, Thailand, 18 m depth.

Remarks. There are no adult females known for this species.

***Asteropterygion thomassini* Kornicker, 1981**

Asteropterygion thomassini Kornicker, 1981b: 301

Type locality. Tulear Lagoon, Southern Pass, Madagascar.

***Bathyleberis* Kornicker, 1975**

Bathyleberis Kornicker, 1975: 538

Type species. *Bathyleberis grossmani* Kornicker, 1975 by original designation.

***Bathyleberis babax* Kornicker, 1996**

Bathyleberis babax Kornicker, in Kornicker and Poore, 1996: 173

Type locality. South of Point Hicks, Victoria, Australia, 1500 m depth. 38°25.00'S, 149°00.00'E.

***Bathyleberis garthi* Baker, 1979**

Bathyleberis garthi Baker, 1979: 293

Type locality. off Sand Point, California, USA, 96 m depth. 34°13'17''N, 119°29'15''W.

***Bathyleberis grossmani* Kornicker, 1975**

Bathyleberis grossmani Kornicker, 1975: 539

Type locality. Drake Passage, Antarctic, 3678-3816 m depth.

***Bathyleberis hancocki* Baker, 1979**

Bathyleberis hancocki Baker, 1979: 297

Type locality. Point Dune, California, USA, 33°59'10''N, 118°48'15''W.

***Bathyleberis kurilensis* (Chavtur, 1978)**

Empoulsenia kurilensis Chavtur, 1978: 154

Bathyleberis kurilensis.—Kornicker, 1986: 62

Type locality. Sea of Okhotsk coast of Urop Island, 20 m depth.

Remarks. An emended diagnosis was provided by Chavtur (1983: 81).

***Bathyleberis monothrix* Kornicker, 1975**

Bathyleberis monothrix Kornicker, 1975: 545

Type locality. South Atlantic, East of Argentina, 82 m depth. 41°27'S, 59°33'W.

***Bathyleberis oculata* Kornicker, 1975**

Bathyleberis oculata Kornicker, 1975: 551

Type locality. Cook Strait, New Zealand, 117 m depth. 40°33'S, 174°07'E.

***Bathyleberis thrix* Kornicker, 1988**

Bathyleberis thrix Kornicker, 1988: 28

Type locality. Beaufort Sea, Arctic Ocean, 53 m depth. 71°17'54''N, 154°33'130''W.

***Bathyleberis toxotes* Kornicker, 1986**

Bathyleberis toxotes Kornicker, 1986: 63

Type locality. Gulf of Mexico, off Galveston, Texas, 54 m depth.

Bruuniella Poulsen, 1965

Bruuniella Poulsen, 1965: 323 [no diagnosis provided]

Type species. *Bruuniella breviata* Poulsen, 1965: 323 by monotypy.

Remarks. A diagnosis was not provided by Poulsen (1965). Kornicker and Harrison-Nelson (2005: 330) created a new tribe for the genus (*Bruuniellini*) and provided a diagnosis.

***Bruuniella alpha* Kornicker and Harrison-Nelson, 2005**

Bruuniella species A Kornicker, 1981a: 12

Bruuniella alpha Kornicker and Harrison-Nelson, 2005: 334

Type locality. Smith's Sound, Governor's Island, Bermuda, 0.6 m depth.

Remarks. The species is known only from one specimen, a juvenile male, which could be conspecific with *Bruuniella hazeli* (Kornicker and Harrison-Nelson, 2005: 335).

***Bruuniella beta* Kornicker and Harrison-Nelson, 2005**

Bruuniella beta Kornicker and Harrison-Nelson, 2005: 335

Type locality. Johnston Atoll, 16°44'52.3''N, 169°31'3.5''W, 2-9.5 m depth.

***Bruuniella breviata* Poulsen, 1965**

Bruuniella breviata Poulsen, 1965: 323

Type locality. Koh Chang, Thailand, 2 m depth.

Remarks. A supplementary description was provided by Kornicker and Harrison-Nelson (2005: 333).

***Bruuniella hazeli* Kornicker, 1986**

Bruuniella hazeli Kornicker, 1986: 85

Type locality. Vineyard Haven Harbor, Martha's Vineyard, Massachusetts, 1.5 m depth.

Remarks. A supplementary description and a discussion of the adult female holotype was provided by Kornicker and Harrison-Nelson (2005: 333).

Cyclasterope Brady, 1897

Cyclasterope Brady, 1897

Type species. *Cyclasterope hendersoni* Brady, 1897, by subsequent designation (Skogsberg, 1920: 441).

Remarks. An emended diagnosis was provided by Skogsberg (1920). A supplementary diagnosis was provided by Poulsen (1965: 283).

***Cyclasterope arthuri* (Stebbing, 1900)**

Asterope species Stebbing, 1899: 31

Asterope arthuri Stebbing, 1900: 607

Cylindroleberis hilgendorffii Müller, 1906: 33 [part]

Asterope hilgendorffii.—Müller, 1912: 44 [part]

Cyclasterope arthuri.—Kornicker, 1981b: 77

Type locality. Blanche Bay, New Britain, Bismark Archipelago, 110-128 m.

Taxonomic decision for synonymy. Kornicker (1981b) [most recent list].

Remarks. There was no holotype selected for this species. Because no female appendages were drawn or described, "additional information concerning this species is needed to be certain that it is valid" (Kornicker, 1981b: 77).

***Cyclasterope bisetosa* Poulsen, 1965**

Cyclasterope bisetosa Poulsen, 1965: 301

Type locality. Padang Harbour, west coast of Sumatra, <50 m depth.

Remarks. This species is based on one female and one juvenile male only.

***Cyclasterope fascigera* Brady, 1902**

Cyclasterope fascigera Brady, 1902: 181

Cylindroleberis fascigera.—Müller, 1906: 33

Asterope fascigera.—Müller, 1912: 43

Cycloleberis fascigera.—Poulsen, 1965: 476 [obvious lapsus]

Type locality. Java.

Taxonomic decision for synonymy. Kornicker (1981b) [most recent list].

Remarks. There was no holotype selected. The species was redescribed by Kornicker (1981b).

***Cyclasterope hendersoni* Brady, 1897**

Cyclasterope hendersoni Brady, 1897: 86

Cylindroleberis hilgendorffii Müller, 1906: 33 [part]

Asterope hilgendorffii Müller, 1912: 44 [part]

Type locality. Madras Harbour, India, 7.3-9.1 m depth.

Taxonomic decision for synonymy. Kornicker, 1981b [most recent list].

Remarks. There was no holotype selected.

***Cyclasterope hilgendorffii* (Müller, 1890)**

Asterope hilgendorffii Müller, 1890: 221
Cyndroleberis hilgendorffii.—Müller, 1894: 63
Cyclasterope hilgendorffii.—Hanai, 1959: 425

Type locality. Coast of Japan, Enosima (Shonan), 22 m depth.

Remarks. The species is based on a unique specimen. See Kornicker (1981b) for remarks about the identity of specimens.

?*Cyclasterope albomaculata* (Baird, 1860)

Cypridina albo-maculata Baird, 1860: 201
Cypridina albomaculata.—Brady, 1897: 87
 ?*Cyclasterope albomaculata*.—Kornicker, 1975: 30

Type locality. Swan River, near Perth, Western Australia.

Remarks. The type specimen (or new specimens) need examination for clarification of the generic placement, and it is possible that these specimens are conspecific with *Leuroleberis mackenziei* (Kornicker, 1981b: 78).

***Cycloleberis* Skogsberg, 1920**

Cycloleberis Skogsberg, 1920

Type species. *Cyndroleberis lobiancoi* Müller, 1894 by original designation.

***Cycloleberis christiei* Kornicker and Maddocks, 1977**

Cycloleberis galathea Poulsen, 1965: 260 [part; juvenile male only]
Cycloleberis christiei Kornicker and Maddocks, 1977: 894

Type locality. Langebaan Lagoon, South Africa. 33°07'S, 18°01'E

Taxonomic decision for synonymy. Kornicker and Maddocks (1977).

***Cycloleberis galathea* Poulsen, 1965**

Cycloleberis galathea Poulsen, 1965: 260 [part; juvenile A-1 female holotype].

Type locality. False Bay, South Africa, 20 m depth.

Remarks. The holotype is based on a juvenile (A-1) female. Kornicker (1981b: 80) believes that *Cycloleberis galathea* may be conspecific with *Cycloleberis squamiger*.

***Cycloleberis lobiancoi* (Müller, 1893)**

Cyndroleberis Lobianci Müller, 1893: 359
Cyclasterope lobianci.—Müller, 1906: 33
Cyclasterope lobiancoi.—Müller, 1912: 48 [part]
Cycloleberis Lobiancoi.—Skogsberg, 1920: 437
Cycloleberis lobiancoi.—Poulsen, 1965: 238

Cyclasterope (Cycloleberis) lobiancoi.—Sylvester-Bradley, 1961: Q402

Type locality. Gulf of Naples.

Taxonomic decision for synonymy. Kornicker (1981b) [most recent list].

Remarks. There was no holotype selected. The original specimens are considered lost (Kornicker, 1974b). Description of another specimen was provided by Kornicker (1974b).

***Cycloleberis squamiger* (Scott, 1894)**

Asterope squamiger Scott, 1894: 140
Cycloleberis squamiger.—Kornicker and Caraion, 1974: 47

Type locality. Sao Tome Island, Gulf of Guinea.

Remarks. A lectotype is available by subsequent designation (Kornicker and Caraion, 1974).

***Cyndroleberis* Brady, 1868**

Asterope Philippi, 1840: 186
Cyndroleberis Brady, 1868: 127 [replacement name; *Asterope* preoccupied]
Asteropina Strand, 1928 [unnecessary replacement name; *Asterope* preoccupied]

Type species. *Cyndroleberis mariae* (Baird, 1850) by subsequent designation Sylvester-Bradley, 1961.

Remarks. The genus was redescribed by Skogsberg (1920: 445) (using *Asterope*) and Poulsen (1965: 434) (using *Asteropina*). The composition of the genus was discussed by Kornicker (1991a: 110).

***Cyndroleberis bacescui* Kornicker and Caraion, 1974**

Cyndroleberis bacescui Kornicker and Caraion, 1974: 29

Type locality. Mauritania, 30 m depth. 20°00'07"N, 17°18'04"W.

***Cyndroleberis grimaldi* (Skogsberg, 1920)**

Asterope grimaldi Skogsberg, 1920: 510
Asteropina grimaldi.—Poulsen, 1965: 434
Cyndroleberis grimaldi.—Kornicker, 1991a: 110

Type locality. Mediterranean, Monaco harbour, 10 m depth.

***Cyndroleberis grimaldi vicina* (Skogsberg, 1920)**

Cyndroleberis oblonga Müller 1894: 219
Asterope mariae Müller 1912: 45 [part]
Asterope grimaldi var. *vicina* Skogsberg, 1920: 518
Asteropina grimaldi var. *vicina*.—Poulsen, 1965: 434
Cyndroleberis grimaldi var. *vicina*.—Kornicker, 1991a: 110

Type locality. Villefranche sur mer, France, Mediterranean sea, 95 m depth.

Taxonomic decision for synonymy. Skogsberg (1920).

***Cyndroleberis kliei* Kornicker, 1976**

Cyndroleberis kliei Kornicker, 1976b: 2

Type locality. Luderiz Bay, South-west Africa.

***Cyndroleberis mariae* (Baird, 1850)**

Cypridina mariae Baird, 1850: 257
Cyndroleberis mariae.—Brady, 1868
Asterope mariae.—Brady, 1871
Asteropina mariae.—Strand, 1928

Type locality. Off Isle of Skye, Scotland, UK.

Remarks. Baird described only the carapace of this species. A holotype was not designated nor deposited, and is considered lost (Skogsberg, 1920). See Skogsberg (1920: 518) for a discussion of specimens.

***Cyndroleberis marranyin* Syme and Poore, 2006**

Cyndroleberis marranyin Syme and Poore, 2006: 61

Type locality. Sandy Point, Western Port, Victoria, Australia. 38° 24' S, 145° 14' E, benthic, 4 m.

***Cyndroleberis minuta* (Poulsen, 1965)**

Asteropina minuta Poulsen, 1965: 436
Cyndroleberis minuta.—Kornicker, 1991a: 110

Type locality. Koh Kam, Thailand, 9 m depth.

***Cyndroleberis nodulifera* (Poulsen, 1965)**

Asteropina nodulifera Poulsen, 1965: 447
Cyndroleberis nodulifera.—Kornicker, 1991a: 110

Type locality. Guardaga, Red Sea, surface at night.

Remarks. The species is known only from adult males.

***Cylindroleberis rangiroaensis* Hartmann, 1984**

Cylindroleberis rangiroaensis Hartmann, 1984: 119

Type locality. Kalkalgen vom Anleger der Kia Ora Village Lagune.

Remarks. This species has a long mandibular exopod and thus it does not fit the genus *Cylindroleberis*; it should be moved (Kornicker, 1991a).

***Cylindroleberis thailandica* (Poulsen, 1965)**

Asteropina thaliandica Poulsen, 1965: 444

Cylindroleberis thailandica.—Kornicker, 1991a: 110

Type locality. Koh Kahdat, Thailand, 9 m depth.

Remarks. The species is known only from one adult female, one juvenile female, and one juvenile male.

***Cylindroleberis variabilis* Kornicker, 1970**

Cylindroleberis variabilis Kornicker, 1970: 19

Type locality. Sacol Island, Zamboanga Province, Philippines.

***Cylindroleberis verrucosa* (Poulsen, 1965)**

Asteropina verrucosa Poulsen, 1965: 440

Cylindroleberis verrucosa.—Kornicker, 1991a: 110

Type locality. Koh Chang, Thailand, 2 m depth.

Remarks. The species is known only from one adult female and one juvenile male.

***Cylindroleberis vibex* Kornicker, 1992**

Cylindroleberis vibex Kornicker, 1992: 185

Type locality. Mozambique Channel, Mayotte, 6 m depth.

Remarks. A supplementary description of the adult female and description of adult male was provided by Kornicker (1998).

***Cylindroleberis vix* Kornicker, 1992**

Cylindroleberis vix Kornicker, 1992: 179

Type locality. Mozambique Channel, Mayotte, 15–20 m depth.

Remarks. A supplementary description of the adult female and a description of the adult male was provided by Kornicker and Thomassin (1998).

***Diasterope* Kornicker, 1975**

Diasterope Poulsen, 1965: 345 [nomen nudum; without type species; 4 included species, *Diasterope canina*, *D. tenuiseta*, *D. pilosa*, *D. bisetosa*].

Diasterope Kornicker, 1975: 388 [designated type species]

Type species. *Diasterope pilosa* Poulsen, 1965 by original designation Kornicker, 1975.

***Diasterope bisetosa* Poulsen, 1965**

Diasterope bisetosa Poulsen, 1965: 355

Type locality. Red Sea, surface.

Remarks. The species is known only from adult males.

***Diasterope canina* Poulsen, 1965**

Diasterope canina Poulsen, 1965: 358

Type locality. St. Croix, off Buck Island, Virgin Islands, West Indies, 7 m depth.

Remarks. The species is known only from juvenile males.

***Diasterope grisea* (Brady, 1898)**

Asterope grisea Brady 1898: 432

Cylindroleberis? grisea Eagar, 1971: 61

Diasterope grisea.—Kornicker, 1975: 389

Type locality. Akaroa Harbor, New Zealand, 11 m depth.

Remarks. There was no holotype designated. A supplementary description of the female was provided by Kornicker (1975).

***Diasterope persyiensis* Chavtur, 1983**

Diasterope persyiensis Chavtur, 1983 [reference not sighted]

Remarks. We were unable to obtain this reference; hence we do not have information about the type locality.

***Diasterope pilosa* Poulsen, 1965**

Diasterope pilosa Poulsen, 1965: 347

Type locality. Pacific coast of Canada, Strait of Georgia, Lasqueti Island, 45 m depth.

***Diasterope procax* Kornicker and Iliffe, 2000**

Diasterope procax Kornicker and Iliffe, 2000: 61

Type locality. Exuma Sound, Bahamas, 88 m depth.

***Diasterope schmitti* Kornicker, 1975**

Diasterope schmitti Kornicker, 1975: 395

Type locality. Robertson Bay, west of Cape Adare, Ross Sea, Antarctic, 128 m depth.

***Diasterope tenuiseta* Poulsen, 1965**

Diasterope tenuiseta Poulsen, 1965: 351

Type locality. North of Loanga, Virgin Islands, West Indies, 30 m depth.

Remarks. The species is known only from juvenile males.

***Diasterope wirraka* Syme and Poore, 2006**

Diasterope wirraka Syme and Poore, 2006: 56

Type locality. Eastern Bass Strait, Victoria, Australia. 15.3 km ESE of eastern edge of Lake Tyers. 37°53.23' S, 148°15.24' E, benthic, 43 m.

***Dolasterope* Poulsen, 1965**

Dolasterope Poulsen, 1965: 317

Type species. *Dolasterope johanseni* Poulsen, 1965 by monotypy.

***Dolasterope johanseni* Poulsen, 1965**

Dolasterope johanseni Poulsen, 1965: 318

Type locality. entrance to Milford Sound, New Zealand, 136 m depth. 44°34' S 167°48' E.

Remarks. The species is based on a unique specimen.

***Domromeus* Kornicker, 1989**

Domromeus Kornicker, 1989: 124

Type species. *Domromeus heptathrix* Kornicker, 1989 by original designation.

Remarks. An emended genus diagnosis was provided by Kornicker (in Kornicker and Poore, 1996: 170).

***Domromeus heptathrix* Kornicker, 1989**

Domromeus heptathrix Kornicker, 1989: 124

Type locality. west of Bay of Biscay, 2190 m depth. 47°33'24''N 8°40'42''W.

***Dromromeus merx* Kornicker, 1996**

Dromromeus merx Kornicker, in Kornicker and Poore, 1996: 170

Type locality. off Eden, New South Wales, Australia, 363 m depth. 37°00.60'S 150°20.70'E.

Remarks. The species is based on a unique specimen, a juvenile (A-1) male. We believe this specimen to be very similar to *Bathyleberis grossmani*.

Heptonema Cohen and Kornicker, 1975

Heptonema Poulsen 1965: 328 [nomen nudum; without type species; 2 included species, *Heptonema serrata*, *H. keiensis*]

Heptonema Cohen and Kornicker, 1975: 23 [designated type species]

Type species. *Heptonema serratum* Poulsen, 1965, by original designation, Kornicker, 1975.

Remarks. An emended diagnosis was provided by Kornicker (1992).

***Heptonema homelix* Kornicker, 1991**

Heptonema homelix Kornicker, 1991a: 118

Type locality. Enewetak lagoon, midwater trawl.

***Heptonema keiensis* Poulsen, 1965**

Heptonema keiensis Poulsen, 1965: 334

Type locality. East Indies, Kei Islands, 25 m depth.

Remarks. The species is known only from juveniles.

***Heptonema latex* Kornicker, 1992**

Heptonema latex Kornicker, 1992: 172

Type locality. Mozambique Channel, Mayotte, 32 m depth.

***Heptonema latum* Kornicker, 1986**

Heptonema latum Kornicker, 1986: 54

Type locality. Continental shelf, New Jersey, 110-112 m depth.

***Heptonema serratum* Poulsen, 1965**

Heptonema serrata Poulsen, 1965: 329

Heptonema serratum.—Kornicker, 1986: 54

Type locality. West coast of Thatch Island, Virgin Islands, West Indies, 25-30 m depth.

***Homasterope* Kornicker, 1975**

Homasterope Kornicker, 1975: 524

Type species. *Asterope curta* Skogsberg, 1920 by original designation.

***Homasterope curta* (Skogsberg, 1920)**

Asterope curta Skogsberg 1920: 498

Parasterope curta.—Poulsen, 1965: 363

Homasterope curta.—Kornicker, 1975: 525

Type locality. South Georgia, Antarctic region, 24-52 m depth. 54°22'S, 36°27'W.

***Homasterope glacialis* (Müller, 1908)**

Cyindroleberis ovalis Müller, 1908: 93

Asterope glacialis Müller, 1912: 47 [new name]

Homasterope glacialis.—Kornicker, 1975: 526

Type locality. Gauss Station, Antarctica, 385 m depth.

Remarks. This species is not well enough known to distinguish it from *H. curta* or *H. maccaini* (Kornicker, 1993).

***Homasterope maccaini* Kornicker, 1975**

Homasterope maccaini Kornicker, 1975: 528

Type locality. Arthur Harbour, Anvers Island. Antarctic region, 6-98 m depth.

***Homasterope micra* Kornicker, 1975**

Homasterope micra Kornicker, 1993: 534

Type locality. off Golfo de Penas, west of Chile, Antarctic, 2657 m depth.

Remarks. Although no adult males are known, Kornicker placed this species into this genus on the basis of the number of seta on the third article of the first antenna.

***Homasterope trebax* Kornicker, 1996**

Homasterope trebax Kornicker, in Kornicker and Poore, 1996: 120

Type locality. South of Point Hicks, Victoria, Australia, 1000 m depth. 38°21.90'S, 149°20.00'E.

***Leuroleberis* Kornicker, 1981**

Leuroleberis Kornicker, 1981b: 91

Type species. *Leuroleberis sharpei* Kornicker, 1981 by original designation.

***Leuroleberis mackenziei* Kornicker, 1981**

Cycloleberis bradyi Poulsen, 1965: 268; [part; 2 juvenile females only]

Leuroleberis mackenziei Kornicker, 1981b: 115

Type locality. Moreton Bay, Brisbane, Australia, 22 m depth.

***Leuroleberis orbicularis* (Brady, 1897)**

Cyclasterope orbicularis Brady 1897: 87.—Müller 1906: 33

Cycloleberis orbicularis.—Skogsberg 1920: 442

Cycloleberis species indeterminate.—Kornicker, 1975: 570

Leuroleberis orbicularis.—Kornicker, 1981b: 92

Type locality. Valparaiso, Chile.

Remarks. This species is known only from juveniles of uncertain sex. It is considered to be inadequately described Kornicker (1975: 567), and may be conspecific with *Leuroleberis poulseni* (Kornicker, 1981b: 92). The holotype location is unknown.

***Leuroleberis poulseni* (Moguilevsky and Ramirez, 1970)**

Cycloleberis poulseni Moguilevsky and Ramirez, 1970: 461

Leuroleberis poulseni.—Kornicker, 1981b: 95

Type locality. Mar del Plata, Argentina.

Remarks. No holotype was designated. This species is possibly conspecific with *Leuroleberis orbicularis* (Kornicker, 1981b: 97).

***Leuroleberis sharpei* Kornicker, 1981**

Leuroleberis sharpei Kornicker, 1981b: 97

Type locality. Monterey Bay, California, Moss Landing Marine Laboratory, off South Jetty, 37 m depth.

***Leuroleberis surugaensis* Hiruta, 1982**

Leuroleberis surugaensis Hiruta, 1982: 11

Type locality. Suruga Bay, Japan, 108-115 m depth. 35°03.3'N 138°50.0'E.

***Leuroleberis zealandica* (Baird, 1850)**

Cypridina zealandica Baird, 1850: 102
Cyclasterope zealandica.—Brady, 1898: 433
Cyclasterope tenera Brady, 1898: 433
Cyclasterope ovulum Brady, 1898: 432
Cycloleberis zealandica.—Skogsberg, 1920: 442
Cycloleberis tenera.—Skogsberg, 1920: 442
Cycloleberis ovulum.—Skogsberg, 1920: 442
Cycloleberis bradyi Poulsen, 1965: 268 [holotype only]
Azyogocypridina zealandica.—Eagar, 1971: 60 [part, only *Cypridina zealandica*]
Leuroleberis zealandica.—Kornicker, 1981b: 95

Type locality. New Zealand; exact locality unknown (Kornicker, 1975: 569).

Taxonomic decision for synonymy. Kornicker (1981b) [most recent list].

Remarks. There are two syntypes. The species is considered to be inadequately described (Kornicker, 1975: 567).

***Macroasteropteron* Kornicker, 1994**

Macroasteropteron Kornicker, 1994: 183

Type species. *Macroasteropteron mindax* Kornicker, 1994 by original designation.

***Macroasteropteron mindax* Kornicker, 1994**

Macroasteropteron mindax Kornicker, 1994: 184

Type locality. New South Wales, Australia, 996 m depth. 34°52.72'S, 151°15.04'E.

Remarks. The species is based on a unique specimen.

***Microasteropteron* Poulsen, 1965**

Microasteropteron Poulsen, 1965: 216

Type species. *Microasteropteron parvum* Poulsen, 1965 by monotypy.

***Microasteropteron bacescui* Kornicker, 1981**

Microasteropteron bacescui Kornicker, 1981b: 347

Type locality. Bab el Mandeb (strait between Red Sea and Gulf of Aden), 24 m depth.

***Microasteropteron parvum* Poulsen, 1965**

Microasteropteron parvum Poulsen, 1965: 217

Type locality. Koh Kam, Thailand, 18 m depth.

***Microasteropteron youngi* Kornicker, 1976**

Microasteropteron youngi Kornicker, 1976a: 15

Type locality. Between reef and Paiko Peninsula, Maunaloa Bay, Oahu, Hawaii, 0.5 m depth.

***Monasterope* Kornicker, 1991**

Monasterope Kornicker, 1991a: 124

Type species. *Monasterope bex* Kornicker, 1991, by original designation.

***Monasterope bex* Kornicker, 1991**

Parasterope sp. Kornicker, 1987: 217
Monasterope bex Kornicker, 1991a: 125

Type locality. Enewetak Lagoon, Enewetak Atoll.

***Omegasterope* Kornicker, 1981**

Omegasterope Kornicker, 1981b: 343

Type species. *Asteropteron epsilon* Kornicker and Caraion, 1974 by original designation.

***Omegasterope epsilon* (Kornicker and Caraion, 1974)**

Asteropteron epsilon Kornicker and Caraion 1974: 59 [part]
Omegasterope epsilon.—Kornicker and Caraion, 1974: 343

Type locality. Off coast of Mauritania, 82 m depth. 20°17'03''N, 17°36'06''W.

***Parasterope* Kornicker, 1975**

Parasterope Poulsen, 1965: p [nomen nudum; without type species; 11 included species, *Parasterope obesa*, *P. pectinata*, *P. muelleri*, *P. skogsbergi* now included in *Skogsbergiella*, *P. longungues*, *P. jenseni*, *P. corrugata* now included in *Postasterope*, *P. nana*, *P. ohlini*, *P. aberrata*, *P. curta* now included in *Homasterope*]

Parasterope Kornicker, 1975: 401 [designated type species]

Type species. *Asterope Mülleri* Skogsberg, 1920 by original designation, Kornicker, 1975.

***Parasterope aberrata* (Skogsberg, 1920)**

Asterope aberrata Skogsberg, 1920: 504
Parasterope aberrata.—Poulsen, 1965: 362

Type locality. Ireland, Strangford Lough.

***Parasterope alpha* Kornicker and Caraion, 1974**

Parasterope alpha Kornicker and Caraion, 1974: 11

Type locality. Mauritania, 560 m depth. 18°40'00N, 16°41'05''W.

***Parasterope anommata* Kornicker, 1975**

Parasterope anommata Kornicker, 1975: 427

Type locality. continental slope off Point Descado, east of Argentina, 424-428 m depth.

***Parasterope antyx* Kornicker, 1989**

Parasterope antyx Kornicker, 1989: 97

Type locality. west of Bay of Biscay, 47°39'N, 8°11'48''W, 1560 m depth.

***Parasterope beta* Kornicker, 1976**

Parasterope beta Kornicker, 1976b: 11

Type locality. Luderitz Bay, South-west Africa.

***Parasterope crinita* Kornicker, 1975**

Parasterope crinita Kornicker, 1975: 421

Type locality. Subantarctic, east of South Island, New Zealand, 51 m depth.

***Parasterope extrachelata* (Kornicker, 1958)**

Asteropina extrachelata Kornicker, 1958: 241
Synasterope extrachelata.—Poulsen, 1965: 355
Parasterope extrachelata.—Kornicker, 1986: 28

Type locality. Cavelle Pond, salt water pond on South Bimini, Great Bahama Bank.

Remarks. The species is based on a unique specimen, but the holotype is not extant. Kornicker (1986: 28) described an adult male and noted that the mandible e-seta on the female is assumed but not certain.

***Parasterope gamurru* Syme and Poore, 2006**

Parasterope gamurru Syme and Poore, 2006: 52

Type locality. Patch Reef, Lizard Island, Queensland, Australia. 14°41.038' S, 145°27.003' E, 3 m.

***Parasterope kappa* Kornicker, 1976**

Parasterope kappa Kornicker, 1976b: 18

Type locality. Luderitz Bay, South-west Africa.

***Parasterope hirutai* Chavtur, 1983**

Parasterope hirutai Chavtur, 1983 [reference not sighted]

Remarks. We were unable to obtain this reference hence do not have information about the type locality.

***Parasterope hulingsi* Baker, 1978**

Cyldroleberis psitticina Darby, 1965 : 317
Parasterope hulingsi Baker, 1978: 145

Type locality. south of San Mateo Point, California, 33°17'35''N, 117°28'50''W, 13.7 m depth.

***Parasterope jenseni* Poulsen, 1965**

Parasterope jenseni Poulsen, 1965: 387

Type locality. Okinose, Sagami Sea, Japan, 180 m depth.

***Parasterope lagunicola* Hartmann, 1984**

Parasterope lagunicola Hartmann, 1984: 121

Type locality. Kalkalgen vom Anleger der Kia Ora Village Lagune.

***Parasterope longiseta* (Skogsberg, 1920)**

Asterope Mülleri var. *longiseta* Skogsberg, 1920 : 467
Parasterope muelleri longiseta .—Poulsen, 1965: 469
Parasterope longiseta .—Kornicker, 1975: 405

Type locality. Falkland Islands, Port William, 71 m depth.

***Parasterope longungues* Poulsen, 1965**

Parasterope longungues Poulsen, 1965: 382

Type locality. Off Frederickssted, St. Croix, Virgin Islands, 900 m depth.

Remarks. The species is based on a unique specimen.

***Parasterope lux* Kornicker, 1996**

Parasterope lux Kornicker, in Kornicker and Poore, 1996: 110

Type locality. South of Point Hicks, Victoria, Australia, 1000 m depth. 38°21.90'S, 149°20.00'E.

Remarks. The species is based on a unique specimen.

***Parasterope maddocksae* Kornicker & Thomassin, 1998**

Parasterope maddocksae Kornicker and Thomassin, 1998: 117

Type locality. Tulear Reef Complex, Southwest Madagascar, Grand Recif, 24 m depth.

***Parasterope mauritania* Kornicker and Caraion, 1974**

Parasterope mauritania Kornicker and Caraion, 1974: 18

Type locality. Mauritania, 52 m depth. 20°10'05''N, 17°32'09''W.

***Parasterope mckenziei* Kornicker, 1970**

Parasterope mckenziei Kornicker, 1970: 26

Type locality. southwest of Botic Island, Salcedo, Samar Province, Philippines, 1 m depth. 11°05'N, 125°41'E.

***Parasterope micrommata* Kornicker, 1975**

Parasterope micrommata Kornicker, 1975: 419

Type locality. Subantarctic, near Macquarie Island, 112 m depth.

***Parasterope muelleri* (Skogsberg, 1920)**

Cypridina teres Norman, 1861
Asterope teres.—Müller 1912: 46 [part]
Asterope Mülleri Skogsberg 1920: 483
Asteropina muelleri.—Kornicker, 1958: 239
Parasterope muelleri.—Poulsen, 1965: 370

Type locality. English Channel, off Salcombe, coast of England.

Taxonomic decision for synonymy. Kornicker and Iliffe (2000) [most recent list].

Remarks. Kornicker (1974b) discussed the existing specimen descriptions. A supplementary description of the female was provided by Kornicker and Caraion (1974: 8). Another supplementary description of an adult female was provided by Kornicker, (1986: 15), who also noted that this species is probably a species complex. Kornicker and Iliffe (2000) described an additional specimen and discussed the Eastern and Western Atlantic specimens.

***Parasterope nana* Poulsen, 1965**

Parasterope nana Poulsen, 1965: 396

Type locality. Koh Kam, Thailand, 18 m depth.

***Parasterope obesa* Poulsen, 1965**

Parasterope obesa Poulsen, 1965: 364

Type locality. Misaki, Japan, shallow water.

Remarks. The species is based on a unique specimen.

***Parasterope ohlini* (Skogsberg, 1920)**

Asterope Ohlini Skogsberg, 1920: 467
Parasterope ohlini.—Poulsen 1965: 363
Parasterope lowryi Kornicker, 1971: 197

Type locality. South Georgia, off Grytviken, Antarctic, 24-52 m depth. 54°22' S, 36°27' W.

Taxonomic decision for synonymy. Kornicker (1975: 402).

***Parasterope pacifica* Kornicker and Harrison-Nelson, 2005**

Parasterope pacifica Kornicker and Harrison-Nelson, 2005: 325

Type locality. Johnston Atoll, north of Akau Island, 2-3.5 m depth. 16°45'53.3''N, 169°31'2.4''W

***Parasterope pectinata* Poulsen, 1965**

Parasterope pectinata Poulsen, 1965: 367

Type locality. Three Kings Island, Northern New Zealand, 100 m depth.

Remarks. The species is based on one adult female and one juvenile.

***Parasterope physinx* Kornicker, 1996**

Parasterope physinx Kornicker, in Kornicker and Poore, 1996: 112

Type locality. South of Point Hicks, Victoria, Australia, 400 m depth. 38°17.70'S, 149°11.30'E.

***Parasterope pollex* Kornicker, 1967**

Parasterope pollex Bowman and Kornicker, 1967: 9
Parasterope sp. indet. Kornicker, 1977: 794

Type locality. Hadley Harbor, Massachusetts.

Remarks. A supplementary description of the adult female was provided by Kornicker (1986).

***Parasterope prolixa* Kornicker, 1975**

Parasterope prolixa Kornicker, 1975: 436

Type locality. Subantarctic, Fortesque Bay, Strait of Magellan, 21 m depth.

***Parasterope pseudoquadrata* (Hartmann 1965)**

Cylindroleberis pseudoquadrata Hartmann, in Hartmann-Schröder and Hartmann, 1965: 316

Parasterope pseudoquadrata.—Kornicker, 1975: 415

Type locality. Bahia Ingles, North Chile, 12 m depth, 41°48'S, 73°53'W.

Remarks. A supplementary description was provided by Kornicker (1975).

***Parasterope quadrata* (Brady 1898)**

Asterope quadrata Brady, 1898: 432
 Not *Synasterope quadrata*.—Poulsen, 1965: 406
Synasterope quadrata.—Eagar, 1971: 61 [part]
Parasterope quadrata.—Kornicker, 1975: 409

Type locality. Lyttelton Harbor, New Zealand, 2-10 m depth.

Remarks. No holotype was designated for this species.

***Parasterope quadrata?* (Brady 1898)**

Asterope australis Brady, 1898: 431
Parasterope australis.—Eagar, 1971: 61
Parasterope quadrata?.—Kornicker, 1975: 412

Remarks. Kornicker (1975: 412) provided a discussion of the specimens.

***Parasterope sequax* Kornicker, 1996**

Parasterope sequax Kornicker, in Kornicker and Poore, 1996: 106

Type locality. South of Point Hicks, Victoria, Australia, 1500 m depth. 38°25.00'S, 149°00.00'E.

***Parasterope sohni* Kornicker and Caraion, 1974**

Parasterope sohni Kornicker and Caraion, 1974: 14

Type locality. West Africa, 534 m depth. 21°47'00''N, 17°36'06''W.

***Parasterope styx* Kornicker, 1975**

Parasterope styx Kornicker, 1975: 432

Type locality. South Pacific, West of Chile, 4303m. 37°57'S, 75°08'W.

Remarks. A supplementary description of the adult female and a description of the adult male was provided by Kornicker (1989).

***Parasterope thrix* Kornicker and Caraion, 1974**

Parasterope thrix Kornicker and Caraion, 1974: 21

Type locality. Mauritania, 270 m depth. 20°50'05''N, 17°39'00''W.

Remarks. The species is based on a unique specimen.

***Parasterope whatleyi* Kornicker, 1996**

Parasterope whatleyi Kornicker, in Kornicker and Poore, 1996: 115

Type locality. New South Wales, Australia, 996 m depth. 34°52.72'S, 151°15.04'E

***Parasterope zamboangae* Kornicker, 1970**

Parasterope zamboangae Kornicker, 1970: 23

Type locality. Sacol Island, Zamboanga Province, Philippines, 1-2 m depth.

Remarks. The species is based on a unique specimen.

***Parasterope zeta* Kornicker, 1986**

Parasterope zeta Kornicker, 1986: 47

Type locality. Gulf of Mexico, off Galveston, Texas, USA, 58 m depth.

***Polyleberis* Kornicker 1974**

Polyleberis Kornicker, 1974b: 48

Type species. *Polyleberis mackenziei* Kornicker, 1974, by original designation.

***Polyleberis mackenziei* Kornicker, 1974**

Polyleberis mackenziei Kornicker, 1974b: 50

Type locality. Gulf of Naples, Italy.

***Postasterope* Kornicker, 1986**

Postasterope Kornicker, 1986: 96

Type species. *Postasterope abaco* Kornicker, 1986, by original designation.

***Postasterope abaco* Kornicker, 1986**

Postasterope abaco Kornicker, 1986: 105

Type locality. Abaco Island, Bahamas.

Remarks. The species is known from several adult males but no females.

***Postasterope barensi* (Baker, 1978)**

Parasterope barensi Baker, 1978: 139
Postasterope barensi.—Kornicker, 1986: 96

Type locality. south of Santa Barbara, California, USA, 12.8 m depth.

***Postasterope corrugata* (Poulsen, 1965)**

Parasterope corrugata Poulsen 1965: 391
Postasterope corrugata.—Kornicker, 1986: 98

Type locality. Virgin Islands, West Indies.

Remarks. The species is known from one adult male, but no females.

***Postasterope messingi* Kornicker, 1986**

Postasterope messingi Kornicker, 1986: 99

Type locality. Key Biscayne side of Bear Cut, Florida Keys, 2-4 m depth.

***Prionotoleberis* Kornicker, 1974**

Prionotoleberis (Kornicker, 1974b: 43

Type species. *Prionotoleberis gyion* Kornicker, 1974, by original designation.

Remarks. An emended diagnosis was provided by Kornicker (1992: 190).

***Prionotoleberis abyssicola* (Sars, 1870)**

Asterope abyssicola Sars, 1870: 170
Prionotoleberis abyssicola.—Kornicker, 1991b: 21

Type locality. Lofoten Islands between Finmark and Beeren Island, 290-345 m depth.

***Prionotoleberis gyion* Kornicker, 1974**

Prionotoleberis gyion Kornicker, 1974b: 43

Type locality. Gulf of Naples, Italy, near Benta Palumma, 55 m depth.

***Prionotoleberis lux* Kornicker, 1992**

Prionotoleberis lux Kornicker, 1992: 190

Type locality. near Mayotte, Indian Ocean, 300-350 m depth.

***Prionotoleberis norvegica* (Sars, 1869)**

Asterope norvegica Sars, 1869: 357
Prionotoleberis norvegica.—Kornicker, 1991b: 22

Type locality. vicinity of Sweden and Norway, 70-160 m depth.

***Prionotoleberis pax* Kornicker and Caraion, 1974**

Prionotoleberis pax Kornicker and Caraion, 1974: 37

Type locality. Eastern Atlantic Ocean off Mauritania, 270 m depth. 20°50'05''N, 17°39'00''W.

***Prionotoleberis rex* Kornicker, 1989**

Prionotoleberis rex Kornicker, 1989: 120

Type locality. Bay of Biscay, 1845-1913 m depth.

***Prionotoleberis salomani* Kornicker, 1986**

Prionotoleberis salomani Kornicker, 1986: 89

Type locality. Panama City, Florida, 9.1 m depth.

***Prionotoleberis styx* Kornicker, 1991**

Prionotoleberis styx Kornicker, 1991b: 22

Type locality. Eastern Pacific Ocean, hydrothermal vent, 2592 m depth. 20°51'00''N, 109°04'00''W.

***Pteromeniscus* Kornicker, 1981**

Pteromeniscus Kornicker, 1981b: 333

Type species. *Pteromeniscus intesi* Kornicker, 1981, by original designation.

***Pteromeniscus intesi* Kornicker, 1981**

Pteromeniscus intesi Kornicker, 1981b: 334

Type locality. Mauritanian, continental shelf, 699-270 m depth.

Remarks. The species is known only from an adult male and juvenile female.

***Skogsbergiella* Kornicker, 1975**

Skogsbergiella Kornicker, 1975: 465
Philippiella Poulsen, 1965: 344 [part] [nomen nudum, without type species; 2 included species, *Asterope quinquesetae* now included in *Archasterope*, and *Asterope spinifera* now in *Skogsbergiella*]

Type species. *Asterope spinifera* Skogsberg, 1920 by original designation.

Remarks. An emended diagnosis was provided by Kornicker (in Kornicker and Poore, 1996: 161).

***Skogsbergiella inermis* Chavtur, 1983**

Skogsbergiella inermis Chavtur, 1983 [reference not sighted]

Remarks. We were unable to obtain this reference do not have information about the type locality.

***Skogsbergiella macrothrix* Kornicker, 1975**

Skogsbergiella macrothrix Kornicker, 1975: 477

Type locality. Scotia Sea, Subantarctic, Magellanic subregion, 578 m depth.

***Skogsbergiella pax* Kornicker, 1975**

Skogsbergiella pax Kornicker, 1975: 495

Type locality. Argentina shelf and slope, 40-45°S, 1475 m depth.

***Skogsbergiella plocus* Kornicker, 1975**

Skogsbergiella plocus Kornicker, 1975: 489

Type locality. off Golfo de Penas, west of Chile, 2657 m depth.

***Skogsbergiella scotti* Kornicker, 1975**

Skogsbergiella scotti Kornicker, 1975: 471

Type locality. Weddell Sea, Antarctic, Scotia subregion, Arthur Harbor, Anvers Island, Palmer Station, 6 m depth.

***Skogsbergiella senex* Kornicker, 1996**

Skogsbergiella senex Kornicker, in Kornicker and Poore, 1996: 161

Type locality. South of Point Hicks, Victoria, Australia, 1850 m depth. 38°25.90'S, 148°58.60'E.

***Skogsbergiella skogsbergi* (Kornicker, 1971)**

Philippiella skogsbergi Kornicker, 1971: 211
Skogsbergiella skogsbergi.—Kornicker, 1975: 471

Type locality. Vicinity of Greenwich Island, South Shetland Islands, 274 m depth.

***Skogsbergiella spinifera* (Skogsberg, 1920)**

Asterope spinifera Skogsberg, 1920: 466
Philippiella spinifera.—Poulsen, 1965: 344
Skogsbergiella spinifera.—Kornicker, 1975: 467

Type locality. South Georgia, off mouth of Cumberland Bay. 54°11'S, 54°18'W.

***Synasterope* Kornicker, 1975**

Synasterope Poulsen, 1965: 401 [nomen nudum; without type species; 10 included species, *Synasterope bassana*, *S. quadrata*, *S. quatrissetosa*, *S. knudseni*, *S. oculata*, *S. longiseta*, *S. implumis*, *S. serrata*, *S. setispara*, *S. extrachelata* now in *Parasterope*]
Synasterope Kornicker, 1975: 440 [designated type species]

Type species. *Synasterope implumis* Poulsen, 1965, by original designation.

***Synasterope arnaudi* Kornicker, 1975**

Synasterope arnaudi Kornicker, 1975: 463

Type locality. Antarctic, Kerguelen Islands, 50 m depth.

***Synasterope bassana* Poulsen, 1965**

Synasterope bassana Poulsen, 1965: 402

Type locality. Bass Strait, southeast Australia, 180 m depth. 38°12'S, 149°40'E.

Remarks. No holotype not designated for this species.

***Synasterope bathyalis* Chavtur, 1983**

Synasterope bathyalis Chavtur, 1983 [reference not sighted]

Remarks. We were unable to obtain this reference and do not have information about the type locality.

***Synasterope bensoni* Kornicker and Caraion, 1974**

Synasterope bensoni Kornicker and Caraion, 1974: 23

Type locality. Mauritania, 270 m depth. 20°50'05''N, 17°39'00''W.

***Synasterope brachythrix* Kornicker, 1975**

Synasterope brachythrix Kornicker, 1975: 461

Type locality. Subantarctic, Magellanic subregion, in channel off Puerto Bheno, 214 m depth.

?*Synasterope brevisetae* Hartmann, 1985

?*Synasterope brevisetae* Hartmann, 1985: 98

Type locality. Indian Ocean.

Remarks. This reference was not sighted. This information is from Kornicker (1992: 194).

***Synasterope browni* Kornicker and Iliffe, 2000**

Synasterope browni Kornicker and Iliffe, 2000: 72

Type locality. Exuma Sound, Bahamas, 96 m depth.

Remarks. A description of an adult male is provided by Kornicker and Harrison-Nelson (2002: 85).

***Synasterope calix* Kornicker, 1992**

Synasterope calix Kornicker, 1992: 194

Type locality. Mozambique Channel, Zelee Bank, 18-24 m depth.

Remarks. Supplementary descriptions of an adult female and adult male were provided by Kornicker and Thomassin (1998).

***Synasterope cushmani* Kornicker, 1974**

Synasterope cushmani Kornicker, 1974a: 11

Type locality. Cape Cod Bay, Massachusetts, 36 m depth.

***Synasterope dimorpha* (Hartmann, 1965)**

Cylindroleberis dimorpha Hartmann, in Hartmann-Schröder and Hartmann, 1965: 321

Synasterope dimorpha.—Kornicker, 1975: 441

Type locality. near Cabo Quedal, Chile, 136 m depth.

***Synasterope duplex* Kornicker, 1975**

Synasterope duplex Kornicker, 1975: 448

Type locality. Weddell Sea, Antarctica, 3035 m depth.

***Synasterope empoulseni* Kornicker, 1975**

Synasterope empoulseni Kornicker, 1975: 447

Type locality. Halfmoon Bay, Stewart Island, New Zealand, 10-15 m depth.

***Synasterope helix* Kornicker, 1989**

Synasterope helix Kornicker, 1989: 111

Type locality. west of Bay of Biscay, 2165 m depth. 47°33'42''N, 8°39'54''W.

***Synasterope hirpex* Kornicker, 1989**

Synasterope hirpex Kornicker, 1989: 105

Type locality. west of Bay of Biscay, 4706 m depth. 46°31'12''N, 10°23'48''W.

***Synasterope implumis* Poulsen, 1965**

Synasterope implumis Poulsen, 1965: 421

Type locality. Long Point Bay, Virgin Islands, West Indies, shallow water.

***Synasterope index* Kornicker, 1989**

Synasterope index Kornicker, 1989: 115

Type locality. west of Bay of Biscay, 2906m. 47°30'48''N, 9°07'36''W.

Remarks. The species is based on a juvenile male only.

***Synasterope longiseta* Poulsen, 1965**

Synasterope longiseta Poulsen, 1965: 417

Type locality. Virgin Islands, West Indies, depth unknown.

Remarks. The species is based on a unique specimen.

***Synasterope mystax* Kornicker, 1975**

Synasterope mystax Kornicker, 1975: 456

Type locality. Scotia Sea, Antarctic, 2747 m depth.

***Synasterope oculata* (Brady, 1902)**

Asterope oculata Brady, 1902: 179

Synasterope oculata.—Poulsen, 1965: 401

Type locality. Trincomalee, Sri Lanka.

Remarks. Kornicker (1992: 222) discussed the specimens used by Brady (1902), Skogsgberg (1920) and Poulsen (1965).

***Synasterope phalanx* Kornicker, 1989**

Synasterope phalanx Kornicker, 1989: 102

Type locality. west of Bay of Biscay, 2147 m depth. 47°32'42''N, 8°36'30''W.

Remarks. The species is known only from adult males.

***Synasterope polythrix* Kornicker, 1975**

Synasterope polythrix Kornicker, 1975: 454

Type locality. Drake Passage, Antarctica, 4004 m depth.

***Synasterope psitticina* (Darby, 1965)**

Cylindroleberis psitticina Darby, 1965: 31 [part]

Synasterope psitticina.—Kornicker, 1974a: 18

Type locality. Continental shelf off Sapelo Island, Georgia, exact depth unknown but between 13-123m.

Remarks. A supplementary description of the adult female holotype was provided by Kornicker (1974a).

***Synasterope quadrata* (Brady, 1898)**

Synasterope quadrata.—Poulsen, 1965: 406

Not *Asterope quadrata* Brady, 1898: 432

Not *Parasterope quadrata* Kornicker, 1975: 409

Taxonomic decision for synonymy. Kornicker (1975: 409).

Type locality. No type specimen. Specimens from New Zealand.

Remarks. Poulsen (1965) described an adult female based on new material, which he believed was conspecific with *Asterope quadrata* Brady, 1898. He then placed the species in *Synasterope*. However, Kornicker (1975) re-examined Brady's material and placed the species in *Parasterope*. He excluded

Poulsen's specimens from the synonymy. Hence, we believe that Poulsen's specimens – if found to represent a new species – should be re-named as a new species, not as *quadrata*.

***Synasterope quatrissetosa* Poulsen, 1965**

Synasterope quatrissetosa Poulsen, 1965: 410

Type locality. Apia Harbour, Samoa Island, surface.

Remarks. This species is described only from one adult male.

***Synasterope serrata* Poulsen, 1965**

Synasterope serrata Poulsen, 1965: 427

Type locality. Northeast of Hans Lollik, St. Thomas, Virgin Islands, West Indies, 50 m depth.

Remarks. The species is based on a unique specimen.

***Synasterope setispara* (Kornicker, 1958)**

Asteropina setispara Kornicker, 1958: 239

Synasterope setispara.—Poulsen, 1965: 396

Type locality. Bimini area, Great Bahama Bank.

Remarks. The holotype is considered to be lost. A lectotype was designated by Kornicker (1986).

***Synasterope solox* Kornicker, 1996**

Synasterope solox Kornicker, in Kornicker and Poore, 1996: 166

Type locality. off Eden, New South Wales, Australia, 220 m depth. 36°57.40'S, 150°18.80'E.

***Synasterope williamsae* Kornicker, 1986**

Synasterope williamsae Kornicker, 1986: 80

Type locality. Gulf of Mexico, off Galveston, Texas, USA, 55 m depth.

***Tetraleberis* Kornicker, 1981**

Tetraleberis Kornicker, 1981b: 134

Type species. *Asterope brevis* Müller, 1890, by original designation.

***Tetraleberis brevis* (Müller, 1890)**

Asterope brevis Müller, 1890: 239

Cyclasterope brevis.—Müller, 1906: 33

Cyindroleberis brevis.—Kajiyama, 1912: 617

Cycloleberis brevis.—Skogsberg, 1920: 442

Tetraleberis brevis.—Kornicker, 1981b: 135

Type locality. Coast of Japan, near Enoshima, 22 m depth.

Remarks. There are 16 syntypes.

***Tetraleberis maddocksae* Kornicker, 1981**

Tetraleberis maddocksae Kornicker, 1981b: 146

Type locality. Madagascar, Grand Recif, Grand Vasque, 18 m depth.

***Tetraleberis pix* Kornicker, 1996**

Tetraleberis pix Kornicker, 1996: 79

Type locality. Calliope River and Auckland Creek area, near Gladstone, Queensland, Australia.

***Tetraleberis similis* (Brady, 1902)**

Cyclasterope similis Brady, 1902: 183

Cycloleberis similis.—Poulsen, 1965: 243

Tetraleberis similis.—Kornicker, 1981b: 133

Type locality. Java Sound, 14.6 m depth.

***Tetraleberis tanzania* Kornicker, 1981**

Tetraleberis tanzania Kornicker, 1981b: 153

Type locality. Off Tanzania. no station data.

***Tetraleberis triplex* Kornicker, 1996**

Tetraleberis triplex Kornicker, 1996: 89

Type locality. Lizard Island, Australia, 4 m depth.

***Xandarasterope* Kornicker, 1996**

Xandarasterope Kornicker, in Kornicker and Poore, 1996: 126

Type species. *Xandarasterope storthynx* Kornicker, 1996, by original designation.

***Xandarasterope storthynx* Kornicker, 1996**

Xandarasterope storthynx Kornicker, in Kornicker and Poore, 1996: 126

Type locality. South of Point Hicks, Victoria, Australia, 2900 m depth. 38°40.29'S, 149°18.06'E.

***Xandarasterope trux* Kornicker, 1996**

Xandarasterope trux Kornicker, in Kornicker and Poore, 1996: 131

Type locality. South of Point Hicks, Victoria, Australia, 1840 m depth. 38°29.33'S, 149°19.98'E.

***Xenoleberis* Kornicker, 1994**

Xenoleberis Kornicker, 1994: 177

Type species. *Xenoleberis bex*, Kornicker, 1994, by original designation.

***Xenoleberis bex* Kornicker, 1994**

Xenoleberis bex Kornicker, 1994: 178

Type locality. South of Point Hicks, Victoria, Australia, 600 m depth. 38°19.10'S, 149°14.30'E.

Remarks. The species is based on a unique specimen.

***Xenoleberis californica* (Baker, 1979)**

Bathyleberis californica Baker, 1979: 287

Xenoleberis californica.—Kornicker, 1994: 177

Type locality. north of Point Conception, California, 50 m depth.

***Xenoleberis yamadai* (Hiruta, 1979)**

Xenoleberis yamadai Hiruta, 1979: 99

Bathyleberis yamadai.—Kornicker, 1994: 177

Type locality. Oshoro, Japan, 3-5 m depth.

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List of genera, species and synonyms

(alphabetical by specific epithet; where applicable, current name in square brackets)

- abaco*, *Postasterope*
aberrata, *Asterope* [*Parasterope*]
aberrata, *Parasterope*
abyssicola, *Asterope* [*Prionotoleberis*]
abyssicola, *Prionotoleberis*
Actinoseta
Agassizi, *Asteropteron* [*Asteropella*]
agassizi, *Cyclasterope* [*Asteropella*]
agassizii, *Asteropella*
Agassizii, *Cylindroleberis* [*Asteropella*]
Agassizii, *Cypridina* [*Asteropella*]
albomaculata, ?*Cyclasterope*
albo-maculata, *Cypridina* [?*Cyclasterope albomaculata*]
albomaculata, *Cypridina* [?*Cyclasterope*]
alpha, *Bruuniella*
alpha, *Parasterope*
Alphaleberis
alphathrix, *Alphaleberis*
altrix, *Archasterope*
Amboleberis
americana, *Amboleberis*
americana, *Asterope* [*Amboleberis*]
americana, *Cyclasterope* [*Amboleberis*]
americana, *Cycloleberis* [*Amboleberis*]
americana, *Cylindroleberis* [*Amboleberis*]
anommata, *Parasterope*
antarctica, *Archasterope*
antarctica, *Empoulsenia* [*Archasterope*]
antyx, *Amboleberis*
antyx, *Parasterope*
apex, *Archasterope*
Archasterope
arnaudi, *Synasterope*
arthuri, *Asterope* [*Cyclasterope*]
arthuri, *Cyclasterope*
Asterope [*Cylindroleberis*]
Asteropella
Asteropina [*Cylindroleberis*]
Asteropteron
Asteropterygion
australis, *Asterope* [*Parasterope quadrata*?]
australis, *Parasterope* [*Parasterope quadrata*?]
babax, *Bathyleberis*
bacescui, *Cylindroleberis*
bacescui, *Microasteropteron*
barensi, *Parasterope* [*Postasterope*]
barensi, *Postasterope*
bassana, *Synasterope*
bathyalis, *Synasterope*
Bathyleberis
bensoni, *Synasterope*
beta, *Bruuniella*
beta, *Parasterope*
bex, *Monasterope*
bex, *Xenoleberis*
biminiensis, *Cyclasterope* [*Amboleberis americana*]
biminiensis, *Cycloleberis* [*Amboleberis americana*]
bisetosa, *Cyclasterope*
bisetosa, *Diasterope*
brachythrix, *Synasterope*
bradyi, *Cycloleberis* [*Leuroleberis zealandica*]
breviata, *Bruuniella*
brevis, *Asterope* [*Tetraleberis*]
brevis, *Cyclasterope* [*Tetraleberis*]
brevis, *Cycloleberis* [*Tetraleberis*]
brevis, *Cylindroleberis* [*Tetraleberis*]
brevis, *Tetraleberis*
brevisetae, ?*Synasterope*
browni, *Synasterope*
Bruuniella
bullae, *Archasterope*
californica, *Bathyleberis* [*Xenoleberis*]
californica, *Xenoleberis*
calix, *Synasterope*
canina, *Diasterope*
chelisparsa, *Actinoseta*
christiei, *Cycloleberis*
climax, *Asteropterygion*
corrugata, *Parasterope* [*Postasterope*]
corrugata, *Postasterope*
crinita, *Parasterope*
cubensis, *Amboleberis*
curta, *Asterope* [*Homasterope*]
curta, *Homasterope*
curta, *Parasterope* [*Homasterope*]
cushmani, *Synasterope*
Cyclasterope
Cycloleberis
Cylindroleberis
dayi, *Asteropterygion*
dentata, *Archasterope*
Diasterope
dimorpha, *Cylindroleberis* [*Synasterope*]
dimorpha, *Synasterope*
Dolasterope
Domromeus
duplex, *Synasterope*
efficax, *Archasterope*
empoulsenii, *Synasterope*
Empoulsenia [*Archasterope*]
extrachelata, *Asteropina* [*Parasterope*]
extrachelata, *Parasterope*
extrachelata, *Synasterope* [*Parasterope*]
fascigera, *Asterope* [*Cyclasterope*]
fascigera, *Cyclasterope*
fascigera, *Cycloleberis* [*Cyclasterope*]
fascigera, *Cylindroleberis* [*Cyclasterope*]
fusca, *Asterope* [*Asteropteron fuscum*]
fusca, *Cyclasterope* [*Asteropteron fuscum*]
fusca, *Cylindroleberis* [*Asteropteron fuscum*]
fuscum, *Asteropteron*
galathea, *Cycloleberis*
gamurru, *Cylindroleberis*
garthi, *Bathyleberis*
glacialis, *Asterope* [*Homasterope*]
glacialis, *Homasterope*
grimaldi var. *vicina*, *Asterope* [*Cylindroleberis*]
grimaldi var. *vicina*, *Asteropina* [*Cylindroleberis*]
grimaldi var. *vicina*, *Cylindroleberis*
grimaldi, *Asterope* [*Cylindroleberis*]
grimaldi, *Asteropina* [*Cylindroleberis*]
grimaldi, *Cylindroleberis*
grisea, *Asterope* [*Diasterope*]
grisea, *Diasterope*
grossmani, *Bathyleberis*
gyion, *Prionotoleberis*
hancocki, *Bathyleberis*
hazeli, *Bruuniella*
helix, *Synasterope*
hendersoni, *Cyclasterope*
heptathrix, *Domromeus*
Heptonema
hilgendorffii, *Asterope* [*Cyclasterope*]
hilgendorffii, *Cyclasterope*
hilgendorffii, *Cylindroleberis* [*Cyclasterope*]
hirpex, *Synasterope*
hirsutum, *Asteropteron* [*Asteropterygion*]
hirsutum, *Asteropterygion*
hirutai, *Parasterope*
Homasterope
homelix, *Heptonema*
hulingsi, *Asteropteron* [*Asteropterygion*]
hulingsi, *Asteropterygion*
hulingsi, *Parasterope*
hummelincki, *Actinoseta*
implumis, *Synasterope*

- index, Synasterope*
inermis, Skogsbergiella
intesi, Pteromeniscus
jenseni, Parasterope
johanseni, Dolasterope
jonesi, Actinoseta
kalkei, Asteropella
kappa, Parasterope
kaufmani, Asteropella
keiensis, Heptonema
kliei, Cyindroleberis
kurilensis, Bathyleberis
kurilensis, Empoulsenia [Bathyleberis]
lagunicola, Parasterope
latex, Heptonema
latum, Heptonema
Leuroleberis
liguriae, Asteropterygion
liguriae, Cyclasterope [Asteropterygion]
Lobianci, Cyindroleberis [Cycloleberis]
lobiancoi, Cyclasterope [Cycloleberis]
lobiancoi, Cycloleberis
longiseta, Parasterope
longiseta, Synasterope
longungues, Parasterope
lowryi, Parasterope
lux, Parasterope
lux, Prionotoleberis
maccaini, Homasterope
mackenziei, Leuroleberis
mackenziei, Polyleberis
maclaughlinae, Asteropella
Macroasteropteron
macrothrix, Skogsbergiella
maddocksae, Parasterope
maddocksae, Tetraleberis
magnum, Asteropteron [Asteropterygion]
magnum, Asteropterygion
mariae, Asterope [Cyindroleberis]
mariae, Asteropina [Cyindroleberis]
mariae, Cyindroleberis
mariae, Cypridina [Cyindroleberis]
marranyin, Cyindroleberis
mauritania, Parasterope
mckenziei, Parasterope
merx, Dromromeus
messingi, Postasterope
micra, Homasterope
Microasteropteron
micrommata, Parasterope
mindax, Macroasteropteron
minuta, Asteropina [Cyindroleberis]
minuta, Cyindroleberis
monamba, Asteropella [Asteropella monambon]
monambon, Asteropella
monambon, Asteropteron [Asteropella]
Monasterope
monothrix, Archasterope
monothrix, Bathyleberis
monothrix, Empoulsenia [Archasterope]
mortenseni, Asteropella
muelleri longiseta, Parasterope [Parasterope longiseta]
muelleri, Asteropina [Parasterope]
muelleri, Parasterope
Müller var. longiseta, Asterope [Parasterope longiseta]
Müller, Asterope [Parasterope]
mystax, Synasterope
nana, Parasterope
nodosa, Actinoseta
nodulifera, Asteropina [Cyindroleberis]
nodulifera, Cyindroleberis
nodulosum, Asteropteron [Asteropterygion]
nodulosum, Asteropterygion
norvegica, Asterope [Prionotoleberis]
norvegica, Prionotoleberis
obesa, Parasterope
oblonga, Cyindroleberis [Cyindroleberis grimaldi vicina]
oculata, Asterope [Synasterope]
oculata, Bathyleberis
oculata, Synasterope
oculitristis, Asteropteron [Asteropterygion]
oculitristis, Asteropterygion
Ohlini, Asterope [Parasterope]
ohlini, Parasterope
Omegasterope
orbicularis, Cyclasterope [Leuroleberis]
orbicularis, Cycloleberis [Leuroleberis]
orbicularis, Leuroleberis
ovalis, Cyindroleberis [Homasterope glacialis]
ovulum, Cyclasterope [Leuroleberis zealandica]
ovulum, Cycloleberis [Leuroleberis zealandica]
pacifica, Parasterope
Parasterope
parvum, Microasteropteron
pax, Asteropella
pax, Prionotoleberis
pax, Skogsbergiella
pectinata, Parasterope
pentathrix, Archasterope
pentathrix, Empoulsenia [Archasterope]
pentathrix, Philippiella [Archasterope]
persyiensis, Diasterope
peterseni, Asteropterygion
phalanx, Synasterope
Philippiella
Philippiella [Archasterope, Skogsbergiella]
physinx, Parasterope
pilosa, Diasterope
pix, Tetraleberis
plocus, Skogsbergiella
pollex, Parasterope
Polyleberis
polythrix, Archasterope
polythrix, Synasterope
Postasterope
poulsen, Cycloleberis [Leuroleberis]
poulsen, Leuroleberis
priacanthus, Cyclasterope [Amboleberis americana]
priacanthus, Cycloleberis [Amboleberis americana]
Prionotoleberis
procax, Diasterope
prolixa, Parasterope
pseudoquadrata, Cyindroleberis [Parasterope]
pseudoquadrata, Parasterope
psitticina, Cyindroleberis [Parasterope hulingsi]
psitticina, Cyindroleberis [Synasterope]
psitticina, Synasterope
Pteromeniscus
punctata, Asteropella
punctatum, Asteropella
quadrata, Asterope [Parasterope]
quadrata, Parasterope
quadrata, Synasterope
quadrata?, Parasterope
quatrissetosa, Synasterope
quinqusetae, Archasterope
quinqusetae, Asterope [Archasterope]
quinqusetae, Empoulsenia [Archasterope]
quinqusetae, Philippiella [Archasterope]
rangiroaensis, Cyindroleberis
rex, Prionotoleberis
romei, Asteropterygion
rotundicostata, Asteropella
rotundicostata, Cycloleberis [Asteropella]
salomani, Prionotoleberis
samoa, Asteropterygion
scammonensis, Asteropella
schmitti, Diasterope
scotti, Skogsbergiella
senex, Skogsbergiella

serrata, *Heptonema* [*Heptonema serratum*]
serrata, *Synasterope*
serratum, *Heptonema*
setiferum, *Asteropteron* [*Asteropterygion*]
setiferum, *Asteropterygion*
setispara, *Asteropina* [*Synasterope*]
setispara, *Synasterope*
sharpei, *Leuroleberis*
similis, *Cyclasterope* [*Tetraleberis*]
similis, *Cycloleberis* [*Tetraleberis*]
similis, *Tetraleberis*
skogsbergi, *Asteropteron* [*Asteropterygion*]
skogsbergi, *Asteropterygion*
skogsbergi, *Philippiella* [*Skogsbergiella*]
skogsbergi, *Skogsbergiella*
Skogsbergiella
slatteryi, *Asteropella*
sohni, *Parasterope*
solox, *Synasterope*
species 1, *Asteropella* [*Asteropella pax*]
species A, *Bruuniella* [*Bruuniella alpha*]
species, *Asterope* [*Cyclasterope arthuri*]
sphaerica, *Cyclasterope* [*Amboleberis americana*]
sphaerica, *Cycloleberis* [*Amboleberis americana*]
spinifera, *Asterope* [*Skogsbergiella*]
spinifera, *Philippiella* [*Skogsbergiella*]
spinifera, *Skogsbergiella*
spinosum, *Asteropteron* [*Asteropterygion*]
c.f. spinosum, *Asteropteron* [*Asteropterygion skogsbergi*]
spinosum, *Asteropterygion*
squamiger, *Asterope* [*Cycloleberis*]
squamiger, *Cycloleberis*
storthynx, *Xandarasterope*
styx, *Parasterope*
styx, *Prionotoleberis*
surugaensis, *Leuroleberis*
Synasterope
tanzania, *Tetraleberis*
tenera, *Cyclasterope* [*Leuroleberis zealandica*]
tenera, *Cycloleberis* [*Leuroleberis zealandica*]
tenuiseta, *Diasterope*
teres, *Cypridina* [*Parasterope muelleri*]

Tetraleberis
thailandica, *Cylindroleberis*
thailandicum, *Asteropteron* [*Asteropterygion*]
thailandicum, *Asteropterygion*
thaliandica, *Asteropina* [*Cylindroleberis*]
thomassini, *Asteropterygion*
thrix, *Bathyleberis*
thrix, *Parasterope*
toxotes, *Bathyleberis*
trebax, *Homasterope*
tripla, *Cyclasterope* [*Amboleberis americana*]
tripla, *Cycloleberis* [*Amboleberis americana*]
triplex, *Tetraleberis*
trithrix, *Asteropella*
trux, *Xandarasterope*
unisetosa, *Archasterope*
unisetosa, *Empoulsenia* [*Archasterope*]
upsilon, *Asteropteron* [*Omegasterope*]
upsilon, *Omegasterope*
variabilis, *Cylindroleberis*
verax, *Archasterope*
verrucosa, *Asteropina* [*Cylindroleberis*]
verrucosa, *Cylindroleberis*
vibex, *Cylindroleberis*
vix, *Cylindroleberis*
weddellensis, *Archasterope*
weddellensis, *Empoulsenia* [*Archasterope*]
whatleyi, *Parasterope*
williamsae, *Synasterope*
wirraka, *Diasterope*
Xandarasterope
Xenoleberis
yamadai, *Bathyleberis* [*Xenoleberis*]
yamadai, *Xenoleberis*
youngi, *Microasteropteron*
zamboangae, *Parasterope*
zealandica, *Azyogocypridina*
zealandica, *Cyclasterope* [*Leuroleberis*]
zealandica, *Cycloleberis*
zealandica, *Cypridina* [*Leuroleberis*]
zealandica, *Leuroleberis*
zeta, *Parasterope*