

California Academy of Sciences

ANNOTATED CHECKLISTS OF FISHES

Number 31

February 2004

Family Liparidae Scopoli 1777

snailfishes

By

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Snailfishes are a large and morphologically diverse family of marine fishes in the order Scorpaeniformes. This checklist treats 334 species and 29 genera as valid, but much work remains to be done on the taxonomy and these numbers will continue to change. Many snailfish taxa are uncommon or rare, and new species are frequently described. In snailfishes the pelvic fins are modified to form a ventral sucking disk, which may be reduced or lost in deep-sea and pelagic forms. They lack scales, and the skin is soft and frequently contains a more or less thick gelatinous layer that may have a buoyancy function. The cephalic pore system is well developed in snailfishes, but they usually lack a lateral line canal and pores; many species have free neuromasts either in place of a lateral line or scattered over the body. Maximum known length is about 80 cm (31.5 in), but usually they are 20–30 cm (8–12 in) or shorter; dwarf species having adult females about 1 cm (0.4 in) in length are known.

Abundant and speciose in temperate and cold regions of the Pacific and Atlantic, in polar waters, and in the deep sea, snailfishes occur from the intertidal to the maximum depth known for fishes of 7,587 m (Andriashev and Pitruk 1993 [ref. 21310]). They are one of the most speciose families of fishes in the Southern Ocean (Andriashev and Stein 1998 [ref. 23367]), the North Pacific (Mecklenburg et al. 2002 [ref. 25968]), and the Arctic. They also occur in the deep Indian Ocean, but only a few species are known from there. We expect many more species to be described from poorly sampled regions, especially the deep sea. Most snailfishes are benthic or benthopelagic, but pelagic genera and species exist (*Genioliparis*, *Lipariscus*, *Nectoliparis*, *Odontoliparis*, *Pseudnos*). Food consists usually of small benthic organisms, such as crustaceans and annelids, but some deep-sea genera (e.g., *Genioliparis*, *Odontoliparis*) are predators on nekton. Fecundity tends to be low to very low (as few as six ripe eggs at one time), and eggs are correspondingly large (sometimes to 8 mm diameter). Some species lay their eggs in the gill cavities of crabs, scallops, and possibly other invertebrates. Parental care seems likely but has not been demonstrated. Many species probably have direct development (eggs hatch as juveniles rather than as larvae) with no planktonic stage, a characteristic likely to have influenced the high diversity and endemism demonstrated by the family. Liparids have no commercial value or use.

Liparid and cyclopterid fishes form the Cyclopteroidea, a sister group of the superfamily Cottoidea (Yabe 1985 [ref. 11522]). Intrafamilial relationships are very poorly understood, and although subfamilies have been proposed (Paraliparidinae, Careproctinae, Rhodichthyinae, Nectoliparidinae), we believe there is insufficient information to support their use. Although it is possible to divide the family into diskbearing and diskless groups (Liparinae and Paraliparinae; Gill 1891 [ref. 26641], with grammatical emendations), because so little is known of intrafamilial relationships we do not do so. Kido (1988 [ref. 12287]) published

a paraphyletic cladistic analysis of the family including only western North Pacific species and genera, and Balushkin (1996 [ref. 22524]) presented a cladogram for some liparid genera based on seven characters. Neither proposed phylogeny was based on a complete review of the family.

Two nominal species previously classified among the snailfishes belong to other families. *Liparoides beauchampi* Lloyd 1909 [ref. 2814] is a cottoid (Stein 1978 [ref. 26640]) and *Menziesichthys bacescui* Nalbant & Mayer 1971 [ref. 23676] from the Peru–Chile Trench is probably an ophidiid.

It is not easy to distinguish among species in the most speciose snailfish genera, and even specimens in perfect condition can be extremely difficult to identify. Because liparids are soft-bodied and scaleless they are easily damaged, often making identification more difficult or impossible. Characters of particular importance for identification include the usual meristics such as fin ray and vertebral counts, and measurements such as head length and body depth relative to standard length. Other important characters include those of the teeth (shape, number, and arrangement in the jaws), pyloric caeca (number, color, and shape), gill opening (length and position), cephalic sensory canal system (number, size, position, and presence or absence of pores), and pectoral fin rays (number, spacing, lengths, and development). Characters of the pectoral girdle (number and shape of radials, shape of scapula and coracoid, and presence or absence of foramina) are particularly useful, but examination of these requires dissection, clearing, and staining to show bone or cartilage.

One possible fossil liparid species has been reported: *Liparis* (?) *minusculus* (Nolf 1977:45, pl.18, figs. 14–16 [ref. 26877]) from the Oligo–Miocene of Belgium. This species is known only from the otoliths, and they are very similar to those of recent *Liparis liparis* (Linnaeus) and *L. gibbus* Bean (Chernova 1989 [ref. 26867]). Nolf (pers. comm., 2000) recently suggested it might be a scorpaenid.

In an unpublished thesis, Pitruk (1991 [ref. 26878]) reviewed much of the family from the Okhotsk Sea, suggested a phylogeny, and proposed new names and taxa. However, although 100 copies of a detailed abstract were printed and distributed widely, because the purpose of the unpublished manuscript was not to provide “a public and permanent scientific record” (Article 8.2, International Code of Zoological Nomenclature, 4th edition, 1999) but rather to provide a record of the thesis and its subject, none of the names or taxa included therein are available for use and thus are not included in the checklist.

The original spelling of the subfamily name Liparinae (Gill 1861 [ref. 1766]), grammatically incorrect, was corrected to Liparidinae (Gill 1864 [ref. 1700]). The spelling Liparididae was then widely used for the family in the literature (Vogt 1988:130 [ref. 6625]), but the correct spelling was recently fixed as Liparidae by the International Commission on Zoological Nomenclature (1992 [ref. 26873]). The ICZN (1993 [ref. 26874]), in an erratum, confirmed the gender of the genus *Liparis* as being masculine, not feminine, and we have changed a number of names to correspond with this decision.

Genus *Acantholiparis* Gilbert & Burke 1912

Acantholiparis Gilbert & Burke 1912:83 [ref. 1634]. Type species *Acantholiparis opercularis* Gilbert & Burke 1912. Type by original designation (also monotypic).

Acantholiparis caecus Grinols 1969

Acantholiparis caecus Grinols 1969:1237, Fig. 1 [ref. 7815] (ne. Pacific, 45°39'N, 125°18'W, 2,122 m). Holotype: USNM 202175.

DISTRIBUTION: Eastern North Pacific: British Columbia to northern California; 1,300–2,122 m.

Acantholiparis opercularis Gilbert & Burke 1912

Acantholiparis opercularis Gilbert & Burke 1912:83, Fig. 28 [ref. 1634] (off Staritschkof I., e. coast of Kamchatka, Russia, *Albatross* sta. 4797, 52°37'30"N, 158°50'E, 682 fm). Holotype: USNM 74390.

DISTRIBUTION: North Pacific: off southeastern Kamchatka, Commander Islands, southern Alaska near Shumagin Islands, and Oregon; 1,222–3,609 m.

Genus *Allocareproctus* Pitruk & Fedorov 1993

Allocareproctus Pitruk & Fedorov 1993:16 [100 of translation] [ref. 22667]. Type species *Careproctus jordani* Burke 1930. Type by original designation (also monotypic).

***Allocareproctus jordani* (Burke 1930)**

Careproctus jordani Burke 1930:192 [ref. 702] (off Misaki, Kanagawa Pref., Sagami Bay, Japan). Holotype (unique): FMNH 57514 [ex CM 6456].

Careproctus gilberti Jordan & Thompson 1914:282, Pl. 34 (figs. 1–1a [not 7–7a]) [ref. 2543] (off Misaki, Kanagawa Pref., Sagami Bay, Japan). Holotype: FMNH 57514 [ex CM 6456].

DISTRIBUTION: Western North Pacific: off Honshu, Japan at Sagami Bay, Kuril Islands from Urup to Onkotan, and eastern Okhotsk Sea; 75–500 m.

REMARKS: *Careproctus jordani* Burke 1930 is a replacement name for *Careproctus gilberti* Jordan & Thompson 1914, which is preoccupied by *Careproctus gilberti* Burke 1912. *Careproctus pycnosoma* Gilbert & Burke 1912 and *Careproctus curilanus* Gilbert & Burke 1912 may be senior synonyms of this species in *Allocareproctus*.

Genus *Careproctus* Krøyer 1862

Careproctus Krøyer 1862:253 [ref. 2694]. Type species *Liparis reinhardti* Krøyer 1862. Type by monotypy.

Enantioliparis Vaillant 1888:22 [ref. 4495]. Type species *Enantioliparis pallidus* Vaillant 1888. Type by monotypy.

Bathyphasma Gilbert 1896:447 [ref. 1628]. Type species *Bathyphasma ovigerum* Gilbert 1896. Type by monotypy.

Allurus Jordan & Evermann 1896:452 [ref. 2442]. Subgenus of *Careproctus*. Type species *Careproctus ectenes* Gilbert 1896. Type by original designation (also monotypic).

Allochir Jordan & Evermann 1896:452 [ref. 2442]. Subgenus of *Careproctus*. Type species *Careproctus melanurus* Gilbert 1892. Type by original designation (also monotypic).

Caremitra Jordan & Evermann 1896:452 [ref. 2442]. Subgenus of *Careproctus*. Type species *Careproctus simus* Gilbert 1896. Type by original designation (also monotypic).

Allinectes Jordan & Evermann 1898:2866 [ref. 2445]. Subgenus of *Careproctus*. Type species *Careproctus ectenes* Gilbert 1896. Type by being a replacement name.

Prognurus Jordan & Gilbert in Jordan & Evermann 1898:2866 [ref. 2445]. Type species *Prognurus cypselurus* Jordan & Gilbert 1898. Type by original designation (also monotypic).

Careproctula Andriashev 2003:64 [ref. 26955]. Subgenus of *Careproctus*. Type species *Careproctus fedorovi* Andriashev & Stein 1998. Type by original designation.

REMARKS: *Allurus* Jordan & Evermann 1896 is preoccupied by *Allurus* Förster 1862 (Hymenoptera) and *Allurus* Eisen 1873 (Oligochaeta) and was replaced by *Allinectes* Jordan & Evermann 1898. *Temnocora* Burke 1930 may be a junior synonym of *Careproctus* Krøyer 1862. *Pseudoliparis* Andriashev 1955 was described as a subgenus of *Careproctus* but is a valid genus.

***Careproctus abbreviatus* Burke 1930**

Careproctus abbreviatus Burke 1930:128, Fig. 49 [ref. 702] (south of Alaska Peninsula, Albatross sta. 3338, 54°19'00"N, 159°40'00"W, 625 fm). Holotype (unique): SU 3082.

DISTRIBUTION: North Pacific: south of the Alaska Peninsula; 1,143 m. Known with certainty only from the holotype. Schmidt's (1950:207–208 [ref. 12471]) record from the northern Okhotsk Sea (325 m; 2 specimens) may be a different species.

***Careproctus acaecus* Andriashev 1991**

Careproctus acaecus Andriashev 1991:714 [47 of translation], Figs. 2c, 3c, 4c [ref. 19147] (sw. Atlantic, 47°17'S, 59°54'W, 750 m). Holotype (unique): ZIN 49763.

DISTRIBUTION: Western South Atlantic: off southern Argentina. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus acanthodes* Gilbert & Burke 1912**

Careproctus acanthodes Gilbert & Burke 1912:363, Pl. 43 (fig. 3); Fig. 4 [ref. 1633] (Tatar Strait off sw. coast of Sakhalin I., Russia, *Albatross* sta. 4997, 47°38'40"N, 141°24'30"E, 318 fm). Holotype: USNM 73332.

DISTRIBUTION: Western North Pacific: northern Japan Sea (Tatar Strait) and Okhotsk Sea; 185–582 m.

REMARKS: Some authors consider this species a synonym of *C. rastrinus* Gilbert & Burke 1912.

***Careproctus aciculipunctatus* Andriashev & Chernova 1997**

Careproctus aciculipunctatus Andriashev & Chernova 1997:437, Figs. 1–2 [ref. 23747] (ne. Atlantic, 50°13.8'N, 14°36.1'W, 4,100 m). Holotype (unique): BMNH 1992.10.20.49.

DISTRIBUTION: Eastern North Atlantic: Porcupine Basin. Known only from the holotype.

***Careproctus acifer* Andriashev & Stein 1998**

Careproctus acifer Andriashev & Stein 1998:7, Figs. 3–4 [ref. 23367] (Scotia Sea, northwest of South Orkney Is., 60°02'S, 49°09'W, 2,906–2,946 m). Holotype (unique): LACM 10733-1.

DISTRIBUTION: Southern Ocean³: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus aculeolatus* Andriashev 1991**

Careproctus aculeolatus Andriashev 1991:712 [44 of translation], Figs. 2b, 3b, 4b [ref. 19147] (sw. Atlantic north of Falkland Is., 47°16'S, 60°07'W, 700 m). Holotype: ISH 449-1978.

DISTRIBUTION: Southern Ocean: off southern Argentina to southeast of the Falkland Islands; 540–970 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus albescens* Barnard 1927**

Careproctus albescens Barnard 1927:76 [ref. 193] (off Cape Point, South Africa, 660–700 fm). Holotype (unique): SAM 12524.

Careproctus griseldea Lloris 1982:101, Figs. 2–3 [ref. 8449] (off Namibia, upper border of sw. African slope, 24°59'08"S, 13°33'03"E, 600 m). Holotype: IIPB 13/1981.

DISTRIBUTION: Eastern South Atlantic: off Namibia to Cape Point, Cape of Good Hope, South Africa; 600–1,464 m.

REMARKS: *Careproctus griseldea* is the adult of *Careproctus albescens* (Andriashev 2003 [ref. 26955]).

***Careproctus ampliceps* Andriashev & Stein 1998**

Careproctus ampliceps Andriashev & Stein 1998:9, Fig. 5 [ref. 23367] (n. Ross Sea, 67°33'S, 179°34'W, 3,495–3,514 m). Holotype: LACM 11418-2.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the types.

REMARKS: In the subgenus *Careproctula*.

³Definition of the Southern Ocean follows Lutjeharms (in Gon and Heemstra 1990:6–27 [ref. 18440]).

***Careproctus armatus* Andriashev 1991**

Careproctus armatus Andriashev 1991:20, Fig. 4 [ref. 19920] (sw. Atlantic, between Falkland Is. and Burdwood Bank, 53°12'S, 57°34'W, 1,210–1,290 m). Holotype (unique): ZIN 49586.

DISTRIBUTION: Western South Atlantic: Burdwood Bank. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus atakamensis* Andriashev 1998**

Careproctus atakamensis Andriashev 1998:548, Fig. [ref. 24171] (Atakama [Atacama] Trough, 17°41'S, 78°53'W, off Chile, e. Pacific, 3,080–2,710 m). Holotype (unique): ZIN 51255.

DISTRIBUTION: Eastern South Pacific: off northern Chile. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus atrans* Andriashev 1991**

Careproctus atrans Andriashev 1991:707 [38 of translation], Fig. 1 [ref. 19147] (off the continental slope of Argentina, 48°20'S, 58°07'W, 1,300 m). Holotype (unique): ZIN 49765.

DISTRIBUTION: Western South Atlantic: off southern Argentina. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus attenuatus* Gilbert & Burke 1912**

Careproctus attenuatus Gilbert & Burke 1912:79, Fig. 24 [ref. 1634] (off Agattu I., Aleutian Is., Alaska, Albatross sta. 4781, 52°14'30"N, 174°13'E, 482 fm). Holotype (unique): USNM 74386.

DISTRIBUTION: North Pacific: south of Agattu Island, Aleutian Islands; 882 m. Known with certainty only from the holotype. A record from the Okhotsk Sea off the southeastern coast of Sakhalin has not been confirmed.

***Careproctus aureomarginatus* Andriashev 1991**

Careproctus aureomarginatus Andriashev 1991:709 [41 of translation], Figs. 2a, 3a, 4a [ref. 19147] (sw. Atlantic south of Falkland Is., 52°40'S, 56°08'W, 1,660–1,665 m). Holotype (unique): ZIN 49587.

DISTRIBUTION: Southern Ocean: off Falkland Islands. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus bathycoetus* Gilbert & Burke 1912**

Careproctus bathycoetus Gilbert & Burke 1912:368, Pl. 45 (fig. 2); Fig. 10 [ref. 1633] (s. Okhotsk Sea, Albatross sta. 5030, 46°29'30"N, 145°46'E, 1,800 fm). Holotype (unique): USNM 73337.

DISTRIBUTION: Western North Pacific: southern Okhotsk Sea; 3,292 m. Known only from the holotype.

***Careproctus batialis* Popov 1933**

Careproctus batialis Popov 1933:134 [ref. 6535] (Peter the Great Bay, Japan Sea, Russia, 42°23'N, 131°25'E, 1,225–1,980 m). Lectotype: ZIN 49813.

DISTRIBUTION: Western North Pacific: Japan Sea. Known only from the types.

REMARKS: The lectotype was designated by Pitruk (1993:51 [ref. 21226]).

***Careproctus bowersianus* Gilbert & Burke 1912**

Careproctus bowersianus Gilbert & Burke 1912:76, Fig. 20 [ref. 1634] (Bowers Bank, Bering Sea, Alaska, Albatross sta. 4772, 54°30'30"N, 179°14'E, 344 fm). Holotype: USNM 74382.

DISTRIBUTION: Eastern North Pacific: southern Bering Sea and Aleutian Islands (Chagulak Island); 629–800 m.

***Careproctus cactiformis* Andriashev 1990**

Careproctus cactiformis Andriashev 1990:10, Fig. 2 [ref. 21079] (sw. Atlantic north of Falkland Is., 43°30'S, 59°34'W, 399–536 m). Holotype (unique): ZIN 37446.

DISTRIBUTION: Western South Atlantic: east of Argentina. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus canus* Kido 1985**

Careproctus canus Kido 1985:6, Figs. 2, 3a [ref. 6720] (near Unalga I., Aleutian Is., Alaska, 51°35.1'N, 179°21.6'W, 300–350 m). Holotype: HUMZ 88339.

DISTRIBUTION: North Pacific: central and western Aleutian Islands and between Commander and Aleutian islands (Near Strait); 244–434 m.

***Careproctus catherinae* Andriashev & Stein 1998**

Careproctus catherinae Andriashev & Stein 1998:11, Fig. 6 [ref. 23367] (n. Ross Sea, 75°07'S, 175°51'W, 1,382–1,405 m). Holotype: LACM 11398-2.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the types.

***Careproctus colletti* Gilbert 1896**

Careproctus colletti Gilbert 1896:442 [ref. 1628] (south of Alaska Peninsula, *Albatross* sta. 3338, 54°19'00"N, 159°40'00"W, 625 fm). Syntypes: SU 3488 (1), 3094 (2); USNM 48698 (1), 53033 (1).

Careproctus puniceus Mori 1955:2, Figs. 2–3 [ref. 7766] (coast of Kyogasaki, Kyoto Pref., s. Japan Sea, 300–500 m). Holotype (unique): Hyogo Univ. Agric. (apparently lost).

DISTRIBUTION: North Pacific: Japan Sea off Honshu and Hokkaido, Okhotsk Sea, Pacific off Kuril Islands and southeastern Kamchatka to Bering Sea and Gulf of Alaska; (64)⁴ 400–1,350 m.

REMARKS: *Careproctus cryptacanthoides* Krasnyukova 1984, *Careproctus entomelas* Gilbert & Burke 1912, and *Careproctus entargyreus* Gilbert & Burke 1912 may be junior synonyms.

***Careproctus continentalis* Andriashev & Prirodina 1990**

Careproctus continentalis Andriashev & Prirodina 1990:8, Figs. 4–5 [ref. 19917] (ne. coast of Weddell Sea, 72°35'S, 18°07'W, 552 m). Holotype: ISH 59-1985.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica; 425–600 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus credispinulosus* Andriashev & Prirodina 1990**

Careproctus credispinulosus Andriashev & Prirodina 1990:710, Figs. 1, 2a [ref. 20114] (sw. Atlantic, *Walther Herwig* sta. 33, 53°56'S, 35°40'W, 800 m). Holotype: ISH 336-1976.

DISTRIBUTION: Western South Atlantic: off South Georgia Island; 796–1,400 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus cryptacanthoides* Krasnyukova 1984**

Careproctus cryptacanthoides Krasnyukova 1984:15, Fig. 8 [ref. 20305] (near Cape Aniva, s. Sakhalin I., Okhotsk Sea, 207 m). Holotype: ZIN 41954 (112 mm).

DISTRIBUTION: Western North Pacific: southern Okhotsk Sea. Known only from the types.

REMARKS: May be a junior synonym of *Careproctus colletti* Gilbert 1896. “*Careproctus cryptacanthoides* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

⁴Depths in parentheses are rare occurrences.

***Careproctus curilanus* Gilbert & Burke 1912**

Careproctus curilanus Gilbert & Burke 1912:373, Pl. 47 (fig. 1); Fig. 15 [ref. 1633] (Simushir I., Kuril Is., Albatross sta. 4803, 46°42'N, 151°45'E, 229 fm). Holotype: USNM 73341.

DISTRIBUTION: Western North Pacific: Kuril Islands; 419 m. Known only from the two types, both collected off Simushir Island.

REMARKS: Possibly a senior synonym of *Allocareproctus jordani* (Burke 1930).

***Careproctus cyclocephalus* Kido 1983**

Careproctus cyclocephalus Kido 1983:375, Fig. 2 [ref. 8324] (off Abashiri, Okhotsk coast of Hokkaido, Japan, 44°27'N, 144°26.5'E, 930–950 m). Holotype: HUMZ 77754.

DISTRIBUTION: Western North Pacific: Okhotsk Sea off Hokkaido, Kuril Islands, southeastern Kamchatka; 134–1,140 m.

REMARKS: *Careproctus* cf. *cyclocephalus* was recorded off northern Kuril Islands; 288–542 m.

***Careproctus cypseluroides* Schmidt 1950**

Careproctus cypseluroides Schmidt 1950:206 [198 of translation] [ref. 12471] (between St. Jona [Iony] I. and Cape Elizaveta, n. Okhotsk Sea, 500 m). Holotype (unique): lost.

DISTRIBUTION: Western North Pacific: northern Okhotsk Sea. Known only from the types.

REMARKS: Appeared first as *Careproctus cypseluroides* in Taranetz (1937:137 [ref. 13384]) as a nomen nudum.

***Careproctus cypselurus* (Jordan & Gilbert 1898)**

Prognurus cypselurus Jordan & Gilbert in Jordan & Evermann 1898:2866 [ref. 2445] (off Bogoslof I., Bering Sea, Albatross sta. 3634 [not 3644], 54°51'00"N, 167°27'00"W, 664 fm). Holotype: USNM 48232.

DISTRIBUTION: North Pacific: Okhotsk Sea, northern Honshu to Kuril Islands and southeastern Kamchatka, Bering Sea, British Columbia, and Washington; (35) 400–1,600 (1,993) m.

***Careproctus dubius* Zugmayer 1911**

Careproctus dubius Zugmayer 1911:9 [ref. 6161] (Green Harbor, Spitsbergen, *Princesse Alice* sta. 2632, 150 m). Holotype (unique): MOM 0091-0987.

DISTRIBUTION: Arctic: Spitsbergen area; depth about 150 m.

REMARKS: A valid species, although previously synonymized with *C. reinhardti* and *C. longipinnis*. Studies of *C. reinhardti* sensu lato are ongoing and distribution of included species is unclear.

***Careproctus ectenes* Gilbert 1896**

Careproctus ectenes Gilbert 1896:442 [ref. 1628] (north of Unalaska I., Bering Sea, Alaska, Albatross sta. 3331, 54°01'40"N, 166°48'50"W, 350 fm). Lectotype: USNM 48618.

DISTRIBUTION: Western North Pacific: Bering Sea north of Aleutian Islands; 494–640 m.

REMARKS: The lectotype was designated by Burke (1930:110 [ref. 702]).

***Careproctus eltaninae* Andriashev & Stein 1998**

Careproctus eltaninae Andriashev & Stein 1998:17, Fig. 10 [ref. 23367] (n. Scotia Sea, south of South Georgia I., 56°11'S, 38°36'W, 2,869–3,038 m). Holotype (unique): LACM 11062-2.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus entargyreus* Gilbert & Burke 1912**

Careproctus entargyreus Gilbert & Burke 1912:375, Pl. 47 (fig. 4); Fig. 18 [ref. 1633] (n. Japan Sea, Albatross sta. 4988, 43°23'10"N, 140°21'10"E, 66 fm). Holotype: USNM 73344.

DISTRIBUTION: Western North Pacific: Japan Sea off Hokkaido and Sakhalin; 64–121 m. Known only from the types.

REMARKS: *Careproctus entargyreus* has been considered a junior synonym of *Careproctus colletti* Gilbert 1896, but it is here treated as a valid species. Although the holotype was reported in the original description to be from Tatar Strait the coordinates for *Albatross* station 4988 show it to be from the Japan Sea off Hokkaido. The paratype is from farther north (station 5003), in Tatar Strait off the southwestern coast of Sakhalin.

***Careproctus entomelas* Gilbert & Burke 1912**

Careproctus entomelas Gilbert & Burke 1912:374, Pl. 47 (fig. 3); Fig. 17 [ref. 1633] (Shirunuku Bay, w. coast of Hokkaido, Japan, *Albatross* sta. 4983, 43°01'35"N, 140°10'40"E, 428 fm). Holotype (unique): USNM 73343.

DISTRIBUTION: Western North Pacific: Japan Sea and Okhotsk Sea (Ekaterina Strait) off Hokkaido, and southern Kuril Islands (Iturup); 232–783 m.

REMARKS: This species has been considered a junior synonym of *Careproctus colletti* Gilbert 1896, but here it is treated as a valid species.

***Careproctus falklandicus* (Lönnberg 1905)**

Liparis antarctica falklandica Lönnberg 1905:17, Pl. 3 (fig. 12) [ref. 2839] (sw. Atlantic, Burdwood Bank, 53°45'S, 61°10'W, 137–150 m). Lectotype: NRM 1902.375.7320.

DISTRIBUTION: Western South Atlantic: Strait of Magellan to Falkland Islands and Burdwood Bank; 16–150 m.

REMARKS: In the subgenus *Careproctula*. The lectotype was designated by Andriashev (1990:6 [ref. 21079]).

***Careproctus fedorovi* Andriashev & Stein 1998**

Careproctus fedorovi Andriashev & Stein 1998:19, Fig. 12 [ref. 23367] (sw. Scotia Sea, 58°57'S, 54°07'W, 3,817–3,931 m). Holotype (unique): LACM 10747-12.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus filamentosus* Stein 1978**

Careproctus filamentosus Stein 1978:23, Fig. 8 [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise Y7102B, sta. CP-2-E, BMT 270, 44°38.4'N, 126°42.0'W, 2,850 m). Holotype: USNM 214592.

DISTRIBUTION: Eastern North Pacific: off Oregon; 2,265–2,940 m. Known only from the types.

***Careproctus furcatus* Mori 1956**

Careproctus furcatus Mori 1956:17, Figs. 3–4 [ref. 12213] (off Oki I., s. Japan Sea). Holotype (unique): Hyogo Univ. Agric. (apparently lost).

DISTRIBUTION: Western North Pacific: Japan Sea; depth not known. Species is known only from the holotype.

REMARKS: May be a junior synonym of *Liparis latifrons* Schmidt 1950 or another valid species of *Liparis*.

***Careproctus furcellus* Gilbert & Burke 1912**

Careproctus furcellus Gilbert & Burke 1912:80, Fig. 25 [ref. 1634] (off sw. coast of Agattu I., Aleutian Is., Alaska, *Albatross* sta. 4781, 52°14'30"N, 174°13'E, 482 fm). Holotype: USNM 74387.

DISTRIBUTION: North Pacific: Okhotsk Sea, Pacific side of Hokkaido and Kuril Islands, Bering Sea and Aleutian Islands, Gulf of Alaska; (98) 175–882 (1,270) m.

***Careproctus georgianus* Lönnberg 1905**

Careproctus georgianus Lönnberg 1905:41, Pl. 3 (fig. 11) [ref. 2839] (South Fjord, Cumberland Bay, South Georgia I., sw. Atlantic, 195 m). Syntypes: NRM 11090 (1), 17882 (1).

DISTRIBUTION: Southern Ocean: off South Georgia Island; 85–285 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus gilberti* Burke 1912**

Careproctus gilberti Burke 1912:570 [ref. 701] (Shelikof Strait north of Cape Uyak, Kodiak I., Alaska, U.S.A., *Albatross* sta. 4292, 102 fm). Holotype: USNM 64110.

Liparis osborni Townsend & Nichols 1925:14, Fig. 4 [ref. 4420] (north of Point Conception, ca. 35°N, California, U.S.A.). Holotype (unique): USNM 87554 [ex AMNH 8344].

DISTRIBUTION: Eastern North Pacific: off Aleutian Islands, Alaska, to southern California; 172–886 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus guillemi* Matallanas 1998**

Careproctus guillemi Matallanas 1998:381, Figs. 1–2 [ref. 23501] (Weddell Sea, 70°09'S, 8°33'W, 2,315–2,334 m). Holotype (unique): ZUAB 001-1997.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica. Known only from the holotype.

***Careproctus herwigi* Andriashev 1991**

Careproctus herwigi Andriashev 1991:14, Fig. 2 [ref. 19920] (sw. Atlantic, *Walther Herwig* sta. 329/71, 41°13'S, 56°51'W, 1,250 m). Holotype (unique): ISH 262-71.

DISTRIBUTION: Western South Atlantic: off northern Argentina. Known only from the holotype.

***Careproctus homopterus* Gilbert & Burke 1912**

Careproctus homopterus Gilbert & Burke 1912:374, Pl. 47 (fig. 2); Fig. 16 [ref. 1633] (southeast of Cape Patience [Mys Terpeniya], Sakhalin, Okhotsk Sea, *Albatross* sta. 5029, 48°22'30"N, 145°43'30"E, 440 fm). Holotype (unique): USNM 73342.

DISTRIBUTION: Western North Pacific: Okhotsk Sea; 805 m. Known only from the holotype.

***Careproctus hyaleius* Geistdoerfer 1994**

Careproctus hyaleius Geistdoerfer 1994:326, Fig. 1 [ref. 21530] (e. Pacific, 12°48.63'N, 103°56.41'W, 2,630 m). Holotype: MNHN 1993-99.

DISTRIBUTION: Tropical eastern Pacific: East Pacific Ridge at hydrothermal vents. Known only from the types.

***Careproctus improvisus* Andriashev & Stein 1998**

Careproctus improvisus Andriashev & Stein 1998:26, Fig. 14 [ref. 23367] (shelf of n. South Georgia I., 54°43'S, 38°36'W, 260–306 m). Holotype (unique): USNM 327895.

DISTRIBUTION: Southern Ocean: off South Georgia Island. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus inflexidens* Andriashev & Stein 1998**

Careproctus inflexidens Andriashev & Stein 1998:26, Fig. 15 [ref. 23367] (ne. Ross Sea, 75°52'S, 168°53'W, 2,049–2,089 m). Holotype (unique): LACM 11142-1.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus lacmi* Andriashev & Stein 1998**

Careproctus lacmi Andriashev & Stein 1998:28, Fig. 16 [ref. 23367] (sw. Scotia Sea, 58°57'S, 54°07'W, 3,817–3,931 m). Holotype (unique): LACM 10747-4.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus leptorhinus* Andriashev & Stein 1998**

Careproctus leptorhinus Andriashev & Stein 1998:30, Fig. 17 [ref. 23367] (Yaghan Basin, south of Burdwood Bank, 55°41'S, 60°55'W, 4,246–4,295 m). Holotype (unique): LACM 10453-4.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus longifilis* Garman 1892**

Careproctus longifilis Garman 1892:9 [ref. 1537] (southwest of Panama, *Albatross* sta. 3374, 2°35'00"N, 83°53'00"W, 1,828 fm). Holotype (unique): MCZ 28703.

DISTRIBUTION: Eastern Pacific: off Oregon to Panama; 1,900–3,334 m.

***Careproctus longipectoralis* Duhamel 1992**

Careproctus longipectoralis Duhamel 1992:186, Fig. 2a [ref. 19909] (Norvegia Cape, Weddell Sea, 71°08.8'S, 13°48.1'W, 2,025–2,037 m). Holotype (unique): MNHN 1991-0356.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus longipinnis* Burke 1912**

Careproctus longipinnis Burke 1912:510 [ref. 14836] (north of Faeroe Is., *Ingolf* sta. 139, 62°36'N, 7°30'W, 702 Danish fm). Holotype: ZMUC P-82180.

DISTRIBUTION: Eastern North Atlantic: north of Faeroe Islands; 1,299 m.

REMARKS: Has been considered a junior synonym of *Careproctus reinhardti* Krøyer.

***Careproctus macranchus* Andriashev 1991**

Careproctus macranchus Andriashev 1991:17, Fig. 3 [ref. 19920] (sw. Atlantic, off n. Argentina, 62°53'S, 58°16'W, 1,600–1,550 m). Holotype: ZIN 49588.

DISTRIBUTION: Western South Atlantic: off northern Argentina. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus macrodiscus* Schmidt 1950**

Careproctus macrodiscus Schmidt 1950:208 [200 of translation], Pl. 19 (fig. 2); Fig. 18 [ref. 12471] (n. Okhotsk Sea, 50°31'N, 149°10'E, 355 m). Holotype (unique): ZIN 24493.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, northern Kuril Islands, southeastern Kamchatka; 130–780 m.

***Careproctus magellanicus* Matallanas & Pequeño 2000**

Careproctus magellanicus Matallanas & Pequeño 2000:523, Fig. 2 [ref. 24421] (Drake Passage, 55°32.8'S, 65°54.3'W, Patagonia, 2,394 m). Holotype (unique): MNHNC P.7125.

DISTRIBUTION: Western South Atlantic: northeast of Cape Horn. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus marginatus* Kido 1988**

Careproctus marginatus Kido 1988:200, Fig. 38 [ref. 12287] (off Pacific coast of Hokkaido, Japan, 41°58.3'N, 143°46.2'E, 420–430 m). Holotype: HUMZ 72755.

DISTRIBUTION: Western North Pacific: Okhotsk Sea and Pacific coast of Hokkaido; 338–950 m.

***Careproctus mederi* Schmidt 1916**

Careproctus mederi Schmidt 1916:628, Figs. 7–8 [ref. 3935] (near St. Jona [Iony] I., n. Okhotsk Sea, 56°18'N, 145°04'E, 175 fm). Syntypes: ZIN 18958 (4).

DISTRIBUTION: Western North Pacific: Okhotsk Sea off Hokkaido; 202–950 m.

***Careproctus melanuroides* Schmidt 1950**

Careproctus melanuroides Schmidt 1950:204 [196 of translation], Pl. 18 (fig. 1); Fig. 17 [ref. 12471] (northeast of Cape Elizaveta, n. Sakhalin, Okhotsk Sea, 54°55'N, 143°50'E, 525 m). Syntypes: ZIN 29090 (4, now 2).

DISTRIBUTION: Western North Pacific: western Okhotsk Sea. Known only from the types.

***Careproctus melanurus* Gilbert 1892**

Careproctus melanurus Gilbert 1892:560 [ref. 1626] (off California, U.S.A., *Albatross* sta. 2925, 32°32'30"N, 117°24'00"W, 339 fm). Lectotype: USNM 44285.

DISTRIBUTION: North Pacific: off northern Honshu, northern Kuril Islands and southeastern Kamchatka, Bering Sea to Cape Navarin, Pacific off Aleutian Islands and in Gulf of Alaska to Baja California; (90) 200–1,600 (2,286) m.

REMARKS: The lectotype was established by Burke (1930:125 [ref. 702]).

***Careproctus merretti* Andriashev & Chernova 1988**

Careproctus merretti Andriashev & Chernova 1988:1023 [94 of translation], Figs. 1–2 [ref. 16151] (Porcupine Basin, ne. Atlantic, 49°37'N, 13°49'W, 3,990–3,920 m). Holotype (unique): BMNH 1988.8.2.1.

DISTRIBUTION: Eastern North Atlantic: Porcupine Basin southwest of Ireland. Known only from the holotype.

***Careproctus micropus* (Günther 1887)**

Liparis micropus Günther 1887:66, Pl. 12 (fig. B) [ref. 2013] (North Atlantic, in Faeroe Channel, 540 and 608 fm). Syntypes: (3) BMNH 1887.12.9.11 (1) 540 fm, BMNH uncat. (2) 608 fm.

DISTRIBUTION: Eastern North Atlantic: Faeroe Channel; 988–1,112 m.

REMARKS: Specimens reported by Chernova (1991:66 [ref. 23263]) are not this species.

***Careproctus microstomus* Stein 1978**

Careproctus microstomus Stein 1978:20, Fig. 8 [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise Y7105B, sta. CP-3-C, haul BMT 280, 45°21.5'N, 127°33.3'W, 2,800 m). Holotype: USNM 214601 [ex OSUO 2067].

DISTRIBUTION: Eastern North Pacific: off Oregon; 2,721–3,585 m.

***Careproctus minimus* Andriashev & Stein 1998**

Careproctus minimus Andriashev & Stein 1998:32, Fig. 18 [ref. 23367] (Burdwood Bank, south of Falkland Is., 54°39'S, 57°07'W, 124–128 m). Holotype (unique): LACM 11069-1 (dried out).

DISTRIBUTION: Western South Atlantic: Burdwood Bank. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus mollis* Gilbert & Burke 1912**

Careproctus mollis Gilbert & Burke 1912:77, Fig. 21 [ref. 1634] (off East Cape, Attu I., Bering Sea, *Albatross* sta. 4784, 52°55'40"N, 173°26'E, 135 fm). Holotype: USNM 74383.

DISTRIBUTION: Western North Pacific: off northern Kuril Islands, Commander Islands, and western Aleutian Islands; 247–882 m.

***Careproctus nigricans* Schmidt 1950**

Careproctus nigricans Schmidt 1950:213 [205 of translation], Pl. 19 (fig. 1); Fig. 20 [ref. 12471] (between St. Jona [Iony] I. and Cape Elizaveta and northeast of Cape Elizaveta, nw. Okhotsk Sea, 500–525 m). Syntypes: ZIN 24478 (7, now 2).

DISTRIBUTION: Western North Pacific: Okhotsk Sea and Pacific coast of northern Honshu, Japan (Iwate Prefecture); 500–2,005 m.

***Careproctus novaezelandiae* Andriashev 1990**

Careproctus novaezelandiae Andriashev 1990:13, Fig. 3 [ref. 21079] (se. New Zealand Plateau, 48°53'S, 178°39'W, ca. 800–1,000 m). Holotype (unique): ZIN 49540.

DISTRIBUTION: Western South Pacific: southeast of New Zealand between Antipodes and Bounty islands and south of Campbell Island; 800–1,000 m.

***Careproctus opisthotremus* Gilbert & Burke 1912**

Careproctus opisthotremus Gilbert & Burke 1912:78, Fig. 23 [ref. 1634] (south of Agattu I., Aleutian Is., Alaska, *Albatross* sta. 4780, 52°01'N, 174°39'E, 1,046 fm). Holotype (unique): USNM 74385.

DISTRIBUTION: North Pacific: vicinity of Aleutian Islands; 1,913–2,562 m. Known from two records: one south of Agattu Island and one from the Bering Sea north of Umnak Island.

***Careproctus oregonensis* Stein 1978**

Careproctus oregonensis Stein 1978:18, Figs. 6d, 7 [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise 6501B, sta. NH-65, haul OTB 50, 44°28.2'N, 125°32.8'W, 2,800 m). Holotype: USNM 214596.

DISTRIBUTION: Eastern North Pacific: off Oregon; 1,900–2,818 m.

***Careproctus ostentum* Gilbert 1896**

Careproctus ostentum Gilbert 1896:444 [ref. 1628] (north of Unalaska I., Aleutian Is., Alaska, *Albatross* sta. 3324, 53°33'50"N, 167°46'50"W, 109 fm). Lectotype: USNM 48619.

DISTRIBUTION: North Pacific: Okhotsk Sea; Bering Sea, Aleutian Islands, and western Gulf of Alaska; 165–700 (1,030) m.

REMARKS: The lectotype was established by Jordan and Evermann (1898:2134 [ref. 2444]). They listed USNM 48619 as the type and, as stated in the original catalog entry, only one specimen was in that lot.

***Careproctus ovigerus* (Gilbert 1896)**

Bathyphasma ovigerum Gilbert 1896:448 [ref. 1628] (off Queen Charlotte Is., British Columbia, Canada, *Albatross* sta. 3342, 52°39'30"N, 132°38'00"W, 1,588 fm). Holotype (unique): USNM 48622.

DISTRIBUTION: Eastern North Pacific: northern British Columbia to Oregon; 1,920–2,904 m.

REMARKS: The specific name has been changed to match the masculine gender of the genus *Careproctus* (gender of *Bathyphasma* is neuter).

***Careproctus pallidus* (Vallant 1888)**

Enantioliparis pallidus Vaillant 1888:22, Pl. 4 (fig. 3) [ref. 4495] (Orange Bay, Strait of Magellan, 28 m). Lectotype: MNHN 1884-0841.

Careproctus crassus de Buen 1961:37, Fig. 10 [ref. 698] (Punto Toro, Isla Navarino, Tierra del Fuego, Chile). Neotype: CAS 60515.

DISTRIBUTION: Eastern South Pacific: southern Chile off Isla Melchor, and Orange Bay and Isla Navarino, Tierra del Fuego; 6–28 m.

REMARKS: In the subgenus *Careproctula*. The lectotype of *Enantioliparis pallidus* was designated by Stein et al. (1991:368 [ref. 19979]). The neotype of *Careproctus crassus* was designated by Andriashev (1997:6 [ref. 23198]).

***Careproctus parini* Andriashev & Prirodina 1990**

Careproctus parini Andriashev & Prirodina 1990:2, Figs. 1–2 [ref. 19917] (near Elephant I. and King George I., South Shetland Is., 61°10'S, 50°42'W, 850–860 m). Holotype: ZIN 49344.

DISTRIBUTION: Southern Ocean: South Shetland Islands, Antarctica; 750–1,116 m.

***Careproctus parvidiscus* Imamura & Nobetsu 2002**

Careproctus parvidiscus Imamura & Nobetsu 2002:156, Figs. 1–3 [ref. 26153] (off Shiretoko Point, Hokkaido, Japan, s. Okhotsk Sea, 400–700 m). Holotype (unique): HUMZ 164407.

DISTRIBUTION: Western North Pacific: southern Okhotsk Sea. Known only from the holotype.

***Careproctus parviporatus* Andriashev & Stein 1998**

Careproctus parviporatus Andriashev & Stein 1998:38, Fig. 21 [ref. 23367] (w. Scotia Sea, 58°54'S, 53°51'W, ca. 200 miles north of Clarence I., South Shetland Is., 3,817–3,931 m). Holotype (unique): LACM 10747-11.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus patagonicus* Matallanas & Pequeño 2000**

Careproctus patagonicus Matallanas & Pequeño 2000:520, Fig. 1 [ref. 24421] (Drake Passage, 55°32.8'S, 65°54.3'W, Patagonia, 2,394 m). Holotype (unique): MNHNC P.7124.

DISTRIBUTION: Western South Atlantic: northeast of Cape Horn. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus paxtoni* Stein, Chernova & Andriashev 2001**

Careproctus paxtoni Stein, Chernova & Andriashev 2001:353, Fig. 14 [ref. 25901] (east of Brush I., New South Wales, 35°29'S, 150°55'E, 1,116–1,134 m). Holotype: AMS I.29737-003.

DISTRIBUTION: Western South Pacific: Tasman Sea off New South Wales, Australia. Known only from the types.

***Careproctus pellucidus* Gilbert & Burke 1912**

Careproctus pellucidus Gilbert & Burke 1912:366, Pl. 44 (fig. 3); Fig. 8 [ref. 1633] (off Oshika Peninsula, ne. coast of Honshu, Japan, *Albatross* sta. 5048, 9°24'N, 141°52'30"E, 129 fm). Holotype: USNM 73335.

DISTRIBUTION: Western North Pacific: Japan Sea and Pacific Ocean off northern Honshu and Hokkaido, and Okhotsk Sea off Hokkaido and southern Sakhalin; 183–333 m.

REMARKS: Has been considered a junior synonym of *Careproctus rastrinus* Gilbert & Burke 1912.

***Careproctus phasma* Gilbert 1896**

Careproctus phasma Gilbert 1896:443 [ref. 1628] (Bristol Bay, Alaska, *Albatross* sta. 3254, 56°50'00"N, 164°27'50"W, 46 fm). Lectotype: USNM 48064.

DISTRIBUTION: North Pacific: Okhotsk Sea, off Amchitka Island in the Aleutian Islands, and eastern Bering Sea; 84–504 m.

REMARKS: The lectotype was established by Burke (1930:123 [ref. 702]). This species has historically been confused with *C. rastrinus*, *C. spectrum*, and other species of *Careproctus*, and all distributional records may not be reliable (Mecklenburg et al. 2002:618 [ref. 25968]).

***Careproctus polarsterni* Duhamel 1992**

Careproctus polarsterni Duhamel 1992:188, Fig. 3 [ref. 19909] (Halley Bay, Weddell Sea, 74°37.3'S, 29°38.2'W, 702 m). Holotype (unique): MNHN 1991-0357.

DISTRIBUTION: Southern Ocean: Weddell and Ross seas, Antarctica; 495–830 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus profundicola* Duhamel 1992**

Careproctus profundicola Duhamel 1992:192, Fig. 4 [ref. 19909] (south of Indian Ocean at Banzare Banks, 59°24'48"S, 79°33'91"E, 1,820–2,000 m). Holotype (unique): MNHN 1988-0139.

DISTRIBUTION: Southern Ocean: Banzare Banks. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus pseudoprofundicola* Andriashev & Stein 1998**

Careproctus pseudoprofundicola Andriashev & Stein 1998:43, Fig. 24 [ref. 23367] (ne. Ross Sea, 75°52'S, 169°53'W, 2,049–2,089 m). Holotype (unique): LACM 11142-3.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus pycnosoma* Gilbert & Burke 1912**

Careproctus pycnosoma Gilbert & Burke 1912:372, Pl. 46 (fig. 3); Fig. 14 [ref. 1633] (Simushir I., Kuril Is., Albatross sta. 4803, 46°42'N, 151°45'E, 229 fm). Holotype (unique): USNM 73340.

DISTRIBUTION: Western North Pacific: off Simushir Island, Kuril Islands and Umnak Island, Aleutian Islands; 419–610 m. Known with certainty from only two records.

REMARKS: May belong to the genus *Allocareproctus* Pitruk & Fedorov 1993.

***Careproctus ranula* (Goode & Bean 1879)**

Liparis ranula Goode & Bean 1879:46 [ref. 17818] (off mouth of Halifax Harbor, Nova Scotia, Canada, 52 fm). Holotype (unique): USNM 22310.

DISTRIBUTION: Western North Atlantic: off Newfoundland to New Jersey, including Gulf of St. Lawrence and Gulf of Maine; 20–668 m.

REMARKS: Specimens reported by Chernova (1991:62 [ref. 23263]) are not this species. Deep-water records may represent an undescribed species.

***Careproctus rastrinoides* Schmidt 1950**

Careproctus rastrinoides Schmidt 1950:210 [202 of translation], Pl. 17 (fig. 2); Fig. 19 [ref. 12471] (Cape Elizaveta, n. Sakhalin I., Okhotsk Sea, 165 m). Syntypes: ZIN 26320 (7).

DISTRIBUTION: Western North Pacific: Okhotsk Sea off northeastern Sakhalin (Cape Elizaveta) and southeastern Sakhalin (Cape Tonin and Mordvinov Bay); depth about 165 m.

***Careproctus rastrinus* Gilbert & Burke 1912**

Careproctus rastrinus Gilbert & Burke 1912:362, Pl. 43 (fig. 2); Fig. 3 [ref. 1633] (s. Okhotsk Sea, off Cape Patience [Mys Terpeniya], Sakhalin I., Albatross sta. 5026, 48°36'10"N, 145°17'30"E, 119 fm). Holotype: USNM 73331.

DISTRIBUTION: North Pacific: Okhotsk Sea, Japan Sea off Hokkaido, Pacific Ocean off Honshu to southern Kamchatka, Aleutian Islands, Bering Sea, and possibly southeastern Alaska; 120–913 m.

REMARKS: *Careproctus acanthodes* Gilbert & Burke 1912 and *C. pellucidus* Gilbert & Burke 1912 have been considered junior synonyms. Specimens recorded as *C. rastrinus* from south-eastern Alaska at depths as shallow as 55 m may be *C. scottae* (Mecklenburg et al. 2002:611 [ref. 25968]).

***Careproctus reinhardti* (Krøyer 1862)**

Liparis reinhardti Krøyer 1862:252 [ref. 2694] (Greenland). Holotype: ZMUC uncataloged.

DISTRIBUTION: Described from Arctic Ocean off Greenland. The *C. reinhardti* complex is known from the Laptev Sea to Greenland and the Gulf of St. Lawrence; 200–1,000 m.

REMARKS: Spelled *reinhardi* in the original description but prevailing usage is *reinhardti*, after the correct spelling of the name Reinhardt, and that spelling should be used. *Careproctus dubius* Zugmayer 1911 and *C. longipinnis* Burke 1912 have been considered junior synonyms. *Careproctus reinhardti* sensu lato is a complex of species.

***Careproctus rhodomelas* Gilbert & Burke 1912**

Careproctus rhodomelas Gilbert & Burke 1912:365, Pl. 44 (fig. 2); Fig. 7 [ref. 1633] (off Bungo-suido Channel, south of Suruga Bay, Japan, *Albatross* sta. 4958, 32°36'20"N, 132°24'30"E, 405 fm). Holotype: USNM 73334.

DISTRIBUTION: Western North Pacific: Bungo Strait to Suruga Bay, southern Japan; 605–928 m.

***Careproctus rimiventris* Andriashev & Stein 1998**

Careproctus rimiventris Andriashev & Stein 1998:45, Fig. 25 [ref. 23367] (s. Scotia Ridge between South Orkney Is. and South Sandwich Is., 60°08'S, 36°04'W, 1,976–2,068 m). Holotype: LACM 11043-6.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the types.

REMARKS: In the subgenus *Careproctula*.

***Careproctus roseofuscus* Gilbert & Burke 1912**

Careproctus roseofuscus Gilbert & Burke 1912:369, Pl. 45 (fig. 3); Fig. 11 [ref. 1633] (off se. Sakhalin I., vicinity of Cape Patience [Mys Terpeniya], *Albatross* sta. 5026, 48°36'10"N, 145°17'30"W, 119 fm). Holotype: USNM 73338.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, northern Kuril Islands, southeastern Kamchatka; 72–810 (1,950) m.

***Careproctus sandwichensis* Andriashev & Stein 1998**

Careproctus sandwichensis Andriashev & Stein 1998:47, Fig. 26 [ref. 23367] (n. South Sandwich Trench, 55°07.5'S, 25°59'W, 5,435–5,453 m). Holotype (unique): LACM 10553-1.

DISTRIBUTION: Southern Ocean: South Sandwich Trench. Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus sarasa* Tanaka 1916**

Careproctus sarasa Tanaka 1916:174 [ref. 15076] (probably from Toba, Mie Pref., Japan). Holotype (unique): apparently lost.

DISTRIBUTION: Western North Pacific: off Pacific coast of Honshu, Japan; depth not known. Species is known only from the holotype.

REMARKS: May be a synonym of *Liparis punctulatus* (Tanaka 1916).

***Careproctus scaphopterus* Andriashev & Stein 1998**

Careproctus scaphopterus Andriashev & Stein 1998:49, Fig. 27 [ref. 23367] (south of South Orkney Is., 62°14'S, 40°33'W, 3,250–3,285 m). Holotype: LACM 10799-1.

DISTRIBUTION: Southern Ocean: Scotia Sea; 2,886–3,623 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus scottae* Chapman & de Lacy 1934**

Careproctus scottae Chapman & de Lacy 1934:2 [ref. 16415] (off Petersburg, Alaska, U.S.A.).
Holotype: USNM 104497 [ex UW 2742].

DISTRIBUTION: Eastern North Pacific: southeastern Alaska; 8–183 m.

***Careproctus segaliensis* Gilbert & Burke 1912**

Careproctus segaliensis Gilbert & Burke 1912:367, Pl. 45 (fig. 1); Fig. 9 [ref. 1633] (off Cape Patience [Mys Terpeniya], s. Sakhalin I., Okhotsk Sea, *Albatross* sta. 5026, 48°36'10"N, 145°17'30"E, 119 fm). Holotype (unique): USNM 73336.

DISTRIBUTION: Western North Pacific: southern Okhotsk Sea (Terpeniya Bay), Japan Sea off Honshu (Toyama Bay, Wakasa Bay) and Hokkaido; 215–338 m.

REMARKS: Schmidt's (1950:201–202 [ref. 12471]) specimen is not this species (Pitruk 1990:38 [ref. 20303]).

***Careproctus seraphimae* Schmidt 1950**

Careproctus seraphimae Schmidt 1950:202 [194 of translation], Pl. 17 (fig. 1); Fig. 16 [ref. 12471] (central Okhotsk Sea, 55°31'N, 149°10'E, 335 m). Holotype (unique): ZIN 24483.

DISTRIBUTION: Western North Pacific: Okhotsk Sea. Known only from the holotype.

REMARKS: Appeared first as a nomen nudum in Taranetz (1937:137 [ref. 13384]).

***Careproctus simus* Gilbert 1896**

Careproctus simus Gilbert 1896:444 [ref. 1628] (Bering Sea, north of Unalaska I., *Albatross* sta. 3331, 54°01'40"N, 166°48'50"W, 350 fm). Holotype (unique): USNM 51688.

DISTRIBUTION: North Pacific: Okhotsk Sea off Hokkaido and southeastern Sakhalin, northern Kuril Islands, Aleutian Islands, western and eastern Bering Sea slope to Cape Navarin; 380–800 m.

***Careproctus sinensis* Gilbert & Burke 1912**

Careproctus sinensis Gilbert & Burke 1912:371, Pl. 46 (fig. 2) Fig. 13 [ref. 1633] (off Sado I., Japan Sea, *Albatross* sta. 4813, 38°35'N, 138°41'E, 200 fm). Holotype (unique): USNM 73339.

DISTRIBUTION: Western North Pacific: Japan Sea off Honshu (Sanin Region, Wakasa Bay, Sado Island), southern Okhotsk Sea (Ekaterina Strait) and Pacific off southern Kuril Islands; 250–366 m.

***Careproctus smirnovi* Andriashev 1991**

Careproctus smirnovi Andriashev 1991:10, Fig. 1 [ref. 19920] (sw. Atlantic, north of Falkland Is., 47°53'S, 58°46'W, 1,500 m). Holotype: ZIN 49589.

DISTRIBUTION: Western South Atlantic: north of Falkland Islands. Known only from the types.

***Careproctus solidus* Chernova 1999**

Careproctus solidus Chernova 1999:181, Figs. 1–4 [ref. 26868] (northern slope of the Laptev Sea, 78°23.4'N, 133°09.5'E, 2,151–1,934 m). Holotype (unique): ZIN 50626.

DISTRIBUTION: Arctic Ocean: Laptev Sea. Known only from the holotype.

***Careproctus spectrum* Bean 1890**

Careproctus spectrum Bean 1890:40 [ref. 229] (between Unga I. and Nagai I., Alaska, *Albatross* sta. 2848, 55°10'N, 160°18'W, 110 fm). Syntypes: (26) SU 48 (4), USNM 45363 (2).

DISTRIBUTION: Eastern North Pacific: southern Bering Sea to eastern Gulf of Alaska; 93–201 m.

REMARKS: Twenty syntypes apparently lost.

***Careproctus steini* Andriashev & Prirodina 1990**

Careproctus steini Andriashev & Prirodina 1990:6, Fig. 3 [ref. 19917] (South Shetland Is., 60°58'S, 54°41'W, 570–583 m). Holotype: ZIN 49347.

DISTRIBUTION: Southern Ocean: off Elephant Island, South Shetland Islands; 429–583 m. Known only from the type-series locality.

REMARKS: In the subgenus *Careproctula*.

***Careproctus trachysoma* Gilbert & Burke 1912**

Careproctus trachysoma Gilbert & Burke 1912:364, Pl. 44 (fig. 1); Figs. 5–6 [ref. 1633] (Japan Sea off Hokkaido, *Albatross* sta. 4982, 43°N, 140°10'30"E, 390 fm). Holotype: USNM 73333.

DISTRIBUTION: Western North Pacific: Japan Sea off Honshu and Hokkaido and in Tatar Strait, Okhotsk Sea off northern Sakhalin and western Kamchatka; 147–784 m.

REMARKS: Although previously reported to be from Sado Island (off Honshu), the holotype is from farther north, off Hokkaido. One of the paratypes was collected off Sado Island (sta. 4814).

***Careproctus tricapitidens* Andriashev & Stein 1998**

Careproctus tricapitidens Andriashev & Stein 1998:51, Fig. 29 [ref. 23367] (Bransfield Strait, Antarctica, 62°39'S, 57°46'W, 662–1,120 m). Holotype (unique): LACM 10434-7.

DISTRIBUTION: Southern Ocean: Bransfield Strait (between South Shetland Islands and tip of Antarctic Peninsula). Known only from the holotype.

REMARKS: In the subgenus *Careproctula*.

***Careproctus vladibeckeri* Andriashev & Stein 1998**

Careproctus vladibeckeri Andriashev & Stein 1998:54, Fig. 30 [ref. 23367] (Weddell Sea southwest of South Orkney Is., 63°00'S, 49°20'W, 2,653–2,941 m). Holotype: LACM 10526-1.

DISTRIBUTION: Southern Ocean: Weddell and Ross seas, Antarctica; 2,273–2,941 m.

REMARKS: In the subgenus *Careproctula*.

***Careproctus zachirus* Kido 1985**

Careproctus zachirus Kido 1985:9, Figs. 3b, 5 [ref. 6720] (near Unalga I., Aleutian Is., 51°35.1'N, 179°21.6'W, 300–350 m). Holotype: HUMZ 88338.

DISTRIBUTION: North Pacific: off northern Kuril Islands, southeastern Kamchatka, and western Aleutian Islands; (150) 214–850 m.

***Careproctus zispi* Andriashev & Stein 1998**

Careproctus zispi Andriashev & Stein 1998:56, Fig. 31 [ref. 23367] (n. Drake Passage south of Estados I., Tierra del Fuego, 55°18'S, 64°47'W, 1,922–2,229 m). Holotype: LACM 10426-2.

DISTRIBUTION: Western South Atlantic: off Tierra del Fuego. Known only from the types.

REMARKS: In the subgenus *Careproctula*.

Genus *Crystallias* Jordan & Snyder 1902

Crystallias Jordan & Snyder 1902:349 [ref. 2512]. Type species *Crystallias matsushimae* Jordan & Snyder 1902. Type by original designation (also monotypic).

REMARKS: Sometimes regarded as a junior synonym of *Crystallichthys* Jordan & Gilbert 1898.

***Crystallias matsushimae* Jordan & Snyder 1902**

Crystallias matsushimae Jordan & Snyder 1902:350, Fig. 2 [ref. 2512] (Bay of Matsushima [off Pacific coast of n. Honshu], Japan, *Albatross* sta. 3773, 78 fm). Holotype: USNM 49802.

Crystallias kamoae Oshima 1957:5, Fig. 3 [ref. 12161] (off Kamo, Yamagata Pref. [Japan Sea coast of n. Honshu], Japan). Holotype (unique): Fish. Exp. Sta. Yamagata Pref.

DISTRIBUTION: Western North Pacific: Japan Sea and Pacific coasts of Honshu to Okhotsk Sea, Kuril Islands, southeastern Kamchatka, and Commander Islands, Bering Sea; 35–700 m.

REMARKS: Has been included in *Crystallichthys*.

Genus *Crystallichthys* Jordan & Gilbert 1898

Crystallichthys Jordan & Gilbert in Jordan & Evermann 1898:2864 [ref. 2445]. Type species *Crystallichthys mirabilis* Jordan & Gilbert 1898. Type by original designation (also monotypic).

REMARKS: May be a senior synonym of *Crystallias* Jordan & Snyder 1902.

***Crystallichthys cameliae* (Nalbant 1965)**

Careproctus cameliae Nalbant 1965:271, Figs. 1–5 [ref. 9237] (Bering Sea, ca. 300 m). Holotype (unique): SMF 8048.

DISTRIBUTION: North Pacific: Bering Sea north of Near Islands. Known only from the holotype.

REMARKS: May be a junior synonym of *Crystallichthys mirabilis* Jordan & Gilbert 1898.

***Crystallichthys cyclospilus* Gilbert & Burke 1912**

Crystallichthys cyclospilus Gilbert & Burke 1912:74, Fig. 19 [ref. 1634] (Petrel Bank, Bering Sea, Albatross sta. 4779, 52°11'N, 179°57'W, 54–56 fm). Holotype: USNM 74381.

DISTRIBUTION: North Pacific: Okhotsk Sea, southern Bering Sea and Aleutian Islands, Gulf of Alaska south of Shumagin Islands; 54–265 m.

***Crystallichthys mirabilis* Jordan & Gilbert 1898**

Crystallichthys mirabilis Jordan & Gilbert in Jordan & Evermann 1898:2865 [ref. 2445] (off Povorotnaya, se. coast of Kamchatka, Russia, Albatross sta. 3643, 51°16'00"N, 158°03'00"E, 100 fm). Holotype: USNM 51466.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, Kuril Islands, southeastern Kamchatka; 53–830 m. Pribilof Islands record is questionable (Mecklenburg et al. 2002 [ref. 25968]).

REMARKS: *Crystallichthys cameliae* (Nalbant 1965) may be a juvenile of this species.

Genus *Edentoliparis* Andriashev 1990

Edentoliparis Andriashev 1990:180 [ref. 19918]. Type species *Paraliparis terraenovae* Regan 1916. Type by original designation (also monotypic)

***Edentoliparis terraenovae* (Regan 1916)**

Paraliparis terraenovae Regan 1916:129, Pl. 1 (fig. 6) [ref. 15063] (s. Ross Sea, McMurdo Sound, Antarctica, 77°15'S, 166°00'E, 0–550 m). Holotype (unique): BMNH 1916.3.20.29.

Paraliparis edentatus Andriashev 1986:69, Figs. 29–30 [ref. 12760] (s. Weddell Sea, Antarctica, 77°23.8'S, 42°32.2'W, 550 m). Holotype: ISH 266-1981.

DISTRIBUTION: Southern Ocean: shelf of Antarctica in Ross, Weddell, Cosmonaut, and Cooperation seas; 150–850 m, mostly midwater.

Genus *Eknomoliparis* Stein, Meléndez C. & Kong U. 1991

Eknomoliparis Stein, Meléndez C. & Kong U. 1991:359 [ref. 19979]. Type species *Eknomoliparis chirichignoae* Stein, Meléndez C. & Kong U. 1991. Type by original designation (also monotypic).

***Eknomoliparis chirichignoae* Stein, Meléndez C. & Kong U. 1991**

Eknomoliparis chirichignoae Stein, Meléndez C. & Kong U. 1991:359, Figs. 1–6 [ref. 19979] (off Chile, 19°42'S, 70°22'W [or 75°22'W], se. Pacific, 824 m). Holotype: MNHNC P.6662.

DISTRIBUTION: Eastern South Pacific: off Chile; 730–920 m.

Genus *Elassodiscus* Gilbert & Burke 1912

Elassodiscus Gilbert & Burke 1912:81 [ref. 1634]. Type species *Elassodiscus tremebundus* Gilbert & Burke 1912. Type by original designation (also monotypic).

REMARKS: Has been considered a junior synonym of *Paraliparis* Collett 1879.

***Elassodiscus caudatus* (Gilbert 1915)**

Paraliparis caudatus Gilbert 1915:356, Pl. 18 (fig. 14) [ref. 1632] (Monterey Bay, California, U.S.A., Albatross sta. 4527, 183–337 fm). Holotype (unique): USNM 75815.

DISTRIBUTION: Eastern North Pacific: eastern Bering Sea, southeastern Alaska, Oregon to central California; 335–1,040 m.

***Elassodiscus obscurus* Pitruk & Fedorov 1993**

Elassodiscus obscurus Pitruk & Fedorov 1993:171, Fig. 9 [ref. 20798] (Okhotsk Sea, 50°00'N, 145°49'E, 600 m). Holotype: ZIN 47710.

DISTRIBUTION: Western North Pacific: Okhotsk Sea (southwestern Kamchatka), northern Kuril Islands, southeastern Kamchatka; (161) 600–1,290 (1,773) m.

***Elassodiscus tremebundus* Gilbert & Burke 1912**

Elassodiscus tremebundus Gilbert & Burke 1912:81, Fig. 26 [ref. 1634] (off Staritschkof I., Avacha Bay, Kamchatka, Russia, Albatross sta. 4797, 52°37'30"N, 158°50'E, 682 fm). Holotype: USNM 74388.

DISTRIBUTION: North Pacific: Okhotsk Sea, Pacific off Hokkaido and Kuril Islands to southeastern Kamchatka, Commander–Aleutian chain and Bering Sea to Cape Navarin; 130–1,248 (1,800) m.

Genus *Eutelichthys* Tortonese 1959

Eutelichthys Tortonese 1959:226 [ref. 4417]. Type species *Eutelichthys leptochirus* Tortonese 1959. Type by original designation (also monotypic).

***Eutelichthys leptochirus* Tortonese 1959**

Eutelichthys leptochirus Tortonese 1959:227, Fig. 1 [ref. 4417] (sw. Mediterranean Sea, 500 m). Holotype: MSNG 37691.

DISTRIBUTION: Mediterranean Sea: off Algeria, France, Italy, and Spain; 350–500 m.

Genus *Genioliparis* Andriashev & Neyelov 1976

Genioliparis Andriashev & Neyelov 1976:70 [ref. 124]. Type species *Genioliparis lindbergi* Andriashev & Neyelov 1976. Type by original designation (also monotypic).

***Genioliparis lindbergi* Andriashev & Neyelov 1976**

Genioliparis lindbergi Andriashev & Neyelov 1976:73, Figs. 1–4 [ref. 124] (Weddell Sea, about 25 miles southwest of Elephant I., 61°39'S, 55°39'W, South Shetland Is., Antarctica, 850–750 m). Holotype (unique): ZIN 42511.

DISTRIBUTION: Southern Ocean: South Shetland Islands; 735–850 m.

REMARKS: Very similar to *Odontoliparis* Stein 1978 in appearance and mode of life.

Genus *Gyrinichthys* Gilbert 1896

Gyrinichthys Gilbert 1896:444 [ref. 1628]. Type species *Gyrinichthys minytremus* Gilbert 1896. Type by original designation (also monotypic).

***Gyrinichthys minytremus* Gilbert 1896**

Gyrinichthys minytremus Gilbert 1896:444 [ref. 1628] (north of Unalaska I., Aleutian Is., Alaska, Albatross sta. 3331, 54°01'40"N, 166°48'50"W, 350 fm). Holotype (unique): USNM 48617.

DISTRIBUTION: Eastern North Pacific: Bering Sea off Unalaska Island; 640 m. Known only from the holotype.

Genus *Liparis* Scopoli 1777

Liparis Scopoli (ex Artedi) 1777:453 [ref. 3990]. Type species *Cyclopterus liparis* Linnaeus 1766. Type by subsequent monotypy.

Liparis Artedi in Röse 1793:117 [ref. 3833]. Type species *Liparis nostras* Artedi 1793. Type by monotypy.

Massaria Gistel 1848:IX [ref. 1822]. Type species *Cyclopterus liparis* Linnaeus 1766. Type by being a replacement name.

Uronectes Günther 1862:325 [ref. 1969]. Type species *Ophidium parrii* Ross 1826. Type by monotypy.

Actinochir Gill 1864:190, 193 [ref. 1700]. Type species *Liparis tunicata* of Krøyer 1862. Type by original designation.

Neoliparis Steindachner 1876:82 [ref. 4223]. Subgenus of *Liparis*. Type species *Liparis mucosus* Ayres 1855. Type by monotypy.

Lycocara Gill 1884:180 [ref. 1725]. Type species *Ophidium parrii* Ross 1826. Type by being a replacement name.

Careliparis Garman 1892:62 [ref. 1537]. Subgenus of *Liparis*. Type species *Liparis agassizii* Putnam 1874. Type by subsequent designation.

Lyoliparis Jordan & Evermann 1896:451 [ref. 2442]. Subgenus of *Liparis*. Type species *Liparis pulchellus* Ayres 1855. Type by original designation (also monotypic).

Trismegistus Jordan & Snyder 1904:238 [ref. 2519]. Type species *Trismegistus owstoni* Jordan & Snyder 1904. Type by monotypy.

REMARKS: *Liparis* Scopoli 1777 may be a senior synonym of *Polypera* Burke 1912. *Massaria* Gistel 1848 is an unneeded replacement for *Liparis* Artedi; it is not preoccupied by use of the same name in botany, as was believed. *Uronectes* Günther 1862 was preoccupied by *Uronectes* Brown 1850 in Crustacea and was replaced by *Lycocara* Gill 1884.

***Liparis adiaxolus* Stein, Bond & Misitano 2003**

Liparis adiaxolus Stein, Bond & Misitano 2003:818, Figs. 1, 1a–b [ref. 27262] (National Marine Fisheries Service dock, Hammond, Oregon, U.S.A., depth unknown). Holotype: CAS 216746.

DISTRIBUTION: Eastern North Pacific: off northern California to Washington; intertidal to 10 m.

***Liparis agassizii* Putnam 1874**

Liparis agassizii Putnam 1874:339 [ref. 18580] (Sakhalin Channel, Tatar Strait). Syntypes: MCZ 32262 (1, others lost).

Liparis takashimensis Nojima 1936:179, Fig. [ref. 13730] (off Takashima near Otaru, w. coast of Hokkaido, Japan). Holotype: whereabouts unknown.

DISTRIBUTION: Western North Pacific: Japan Sea off Hokkaido and Sakhalin, Pacific off northern Honshu (Iwate Prefecture) to southern Kuril Islands; 0–86 m.

REMARKS: *Liparis tunicatiformis* Krasnyukova 1984 may be a junior synonym.

***Liparis alboventer* (Krasnyukova 1984)**

Careproctus alboventer Krasnyukova 1984:14, Fig. 7 [ref. 20305] (Yuzno–Kuril'sk Strait, s. Kuril Is., 74 m). Holotype: ZIN 43184 (141 mm).

DISTRIBUTION: Western North Pacific: southern Kuril Islands. Known only from the types.

REMARKS: Some authors consider this species a junior synonym of *Liparis tessellatus* (Gilbert & Burke 1912). “*Liparis alboventer* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

***Liparis antarcticus* Putnam 1874**

Liparis antarctica Putnam 1874:339 [ref. 18580] (Eden Harbor, Ultima, s. Chile, 49°09'S, 74°27'W). Holotype (unique): MCZ 12972 (poor condition).

DISTRIBUTION: Eastern South Pacific: southern Chile. Known only from the holotype.

REMARKS: This is the only species of *Liparis* known from the Southern Hemisphere. The stated type locality may be an error and the specimen could be from California.

***Liparis atlanticus* (Jordan & Evermann 1898)**

Neoliparis atlanticus Jordan & Evermann 1898:2107 [ref. 2444] (Godbout, Quebec, Canada). Holotype: USNM 37215.

DISTRIBUTION: Western North Atlantic: Ungava Bay, Quebec, to Connecticut and south shore of Long Island including Georges Bank; tidepools to subtidal, usually 2 m or less, rarely to 90 m.

***Liparis bikunin* Matsubara & Iwai 1954**

Liparis bikunin Matsubara & Iwai 1954:434, Fig. 7 [ref. 12283] (off Kushiro, Hokkaido, Japan). Holotype: FAKU 13318.

DISTRIBUTION: Western North Pacific: Hokkaido, Japan; shallow waters.

***Liparis brashnikovi* Soldatov 1930**

Liparis brashnikovi Soldatov in Soldatov & Lindberg 1930:365, Pl. 16 (lower) [ref. 4164] (Tatar Strait, Peter the Great Bay, n. Pacific). Syntypes: (4) (lost).

DISTRIBUTION: Western North Pacific: Japan Sea, southeastern Kamchatka; (0) 46–106 m.

***Liparis bristolensis* (Burke 1912)**

Cyclogaster bristolense Burke 1912:568 [ref. 701] (northwest of Bristol Bay, Bering Sea, Alaska, Albatross sta. 3514, 59°22'00"N, 168°21'00"W, 21 fm). Holotype: USNM 53790.

DISTRIBUTION: Eastern North Pacific: southern Bering Sea and western Gulf of Alaska; 31–77 m. Eastern Chukchi Sea records are questionable.

REMARKS: Possibly a junior synonym of *Liparis tunicatus* Reinhardt 1836.

***Liparis burkei* (Jordan & Thompson 1914)**

Careproctus burkei Jordan & Thompson 1914:281, Pl. 34 (figs. 2–2a) [ref. 2543] (Yokohama market, doubtless from outside the heads of Awa and Boshu, Japan). Holotype: FMNH 57515 [ex CM 6457].

DISTRIBUTION: Western North Pacific: southern Japan; shallow waters.

***Liparis callyodon* (Pallas 1814)**

Cyclopterus callyodon Pallas 1814:75 [ref. 3351] (Kamchatka, Russia). No types known.

DISTRIBUTION: North Pacific: Kamchatka, southern Chukotka Peninsula (Providence Bay), Norton Sound and St. Lawrence Island, Bering Sea and Attu Island, Aleutian Islands to Oregon; tidepools to shallow subtidal. Records from the Commander Islands are questionable.

REMARKS: *Liparis grebnitzkii* (Schmidt 1904) is probably a junior synonym.

***Liparis catharus* Vogt 1973**

Liparis catharus Vogt 1973:23 [ref. 7595] (Bradfield Canal, 56°11'N, 131°59'W, Alaska, U.S.A., 137 m). Holotype (unique): UAM 704.

DISTRIBUTION: Eastern North Pacific: Alaska. Known with certainty only from the holotype.

***Liparis chefuensis* Wu & Wang 1933**

Liparis chefuensis Wu & Wang 1933:81, Figs. 2–4 [ref. 16534] (Chefoo, Shantung Prov., China). Syntypes: (5) (whereabouts unknown).

Liparis choanus Wu & Wang 1933:83, Figs. 5–6 [ref. 16534] (Chefoo and Tsing-tau, Shantung Prov., China). Syntypes: (2) Chefoo, (2) Tsing-tau (whereabouts unknown).

DISTRIBUTION: Western North Pacific: Yellow Sea near Chefoo; depth unknown.

***Liparis coheni* Able 1976**

Liparis coheni Able 1976:516, Fig. 1 [ref. 7368] (w. North Atlantic, 44°37.5'N, 66°30.5'W, 201–205 m). Holotype: USNM 212261 [ex VIMS 01728].

DISTRIBUTION: Western North Atlantic: Gulf of St. Lawrence to Gulf of Maine and northern Georges Bank; 4–210 m.

***Liparis curilensis* (Gilbert & Burke 1912)**

Cyclogaster (*Neoliparis*) *curilensis* Gilbert & Burke 1912:353, Pl. 41 (fig. 1); Fig. 1 [ref. 1633] (Milne Bay, Simushir I., Japan). Holotype: USNM 73326.

DISTRIBUTION: Western North Pacific: Kuril Islands; tidepools to 10 m.

***Liparis cyclopus* Günther 1861**

Liparis cyclopus Günther 1861:163 [ref. 1964] (Esquimault Harbor, Vancouver I., British Columbia, Canada). Holotype (unique): BMNH 1860.11.19.32.

DISTRIBUTION: North Pacific: southeastern Kamchatka to Commander and Aleutian islands, Pribilof Islands, southeastern Bering Sea to Oregon; tidepools to 183 m.

***Liparis dennyi* Jordan & Starks 1895**

Liparis dennyi Jordan & Starks 1895:835, Pl. 98 [ref. 2522] (Admiralty Inlet, Puget Sound, Washington, U.S.A.). Holotype (unique): SU 3703.

DISTRIBUTION: North Pacific: eastern Aleutian Islands to Puget Sound, Washington; subtidal to 225 m. Records from Bering Sea, western Aleutian Islands, and Sakhalin Island are questionable.

***Liparis dubius* Soldatov 1930**

Liparis dubius Soldatov in Soldatov & Lindberg 1930:366, Fig. 58 [ref. 4164] (Peter the Great Bay, Far East Expedition, sta. 266, 42°31'N, 131°55'E, 60 m). Holotype: (lost).

DISTRIBUTION: Western North Pacific: Japan Sea and Okhotsk Sea; about 60 m.

REMARKS: Some authors consider this species a synonym of *Liparis ochotensis* Schmidt 1904. There were two type specimens, both from Peter the Great Bay, and both have been lost.

***Liparis dulceiti* Soldatov 1930**

Liparis dulceiti Soldatov in Soldatov & Lindberg 1930:356, Fig. 57 [ref. 4164] (west coast of Kamchatka, Russia, off Jcha [Icha] R., Okhotsk Sea). Holotype (unique): lost.

DISTRIBUTION: Western North Pacific: Okhotsk Sea. Known only from the holotype.

***Liparis eos* Krasnyukova 1984**

Liparis eos Krasnyukova 1984:11, Fig. 5 [ref. 20305] (Svobodny Cape, e. coast of Sakhalin I., Okhotsk Sea, 110 m). Holotype: ZIN 42387.

DISTRIBUTION: Western North Pacific: Japan Sea, Okhotsk Sea, southern Kuril Islands; 36–147 m.

REMARKS: Has been considered a junior synonym of *Liparis latifrons* Schmidt 1950 by some authors. “*Liparis eos* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

***Liparis fabricii* Krøyer 1847**

Liparis fabricii Krøyer 1847:274 [ref. 19481] (Belsund, Spitsbergen). Syntypes: ZMUC 116, 117–123 (almost dissolved), 141 (1).

Liparis fabricii var. *leprosa* Lütken 1886:153, Pl. 15 (figs. 5, 5a, 5b) [ref. 26876] (Kara Sea). No types known.

DISTRIBUTION: Arctic: circumpolar on continental shelf; to 300 (1,880) m.

REMARKS: *Liparis fabricii* sensu lato is a complex of species. *Liparis koefoedi* Parr 1931 and *L. laptevi* Popov 1933 have previously been considered junior synonyms, but we consider them valid.

***Liparis fishelsoni* Smith 1967**

Liparis fishelsoni Smith 1967:107, Fig. [ref. 7918] (Dahlak Archipelago, ca. 16°N, 40°E, Red Sea, 25–30 m). Holotype (unique): RUSI 328.

DISTRIBUTION: Red Sea. Known only from the holotype.

REMARKS: The only truly warm-water snailfish, and the only liparid known from the northern Indian Ocean region. Attempts to discredit the locality have failed.

***Liparis florum* (Jordan & Starks 1895)**

Neoliparis florum Jordan & Starks 1895:830, Pl. 96 [ref. 2522] (Waadda I., Neah Bay, Washington, U.S.A.). Holotype: SU 3133.

DISTRIBUTION: Eastern North Pacific: Kodiak Island, Gulf of Alaska to Point Conception, central California; tidepools.

REMARKS: Has been considered a junior synonym of *L. mucosus*, but it is valid.

***Liparis frenatus* (Gilbert & Burke 1912)**

Cyclogaster frenatus Gilbert & Burke 1912:356, Pl. 42 (fig. 1) [ref. 1633] (Japan Sea off nw. coast of Hondo [Honshu], Japan, *Albatross* sta. 4809, 41°18'N, 140°08'40"E, 207 fm). Holotype (unique): USNM 73329.

DISTRIBUTION: Western North Pacific: Japan Sea off northern Honshu, Hokkaido, Okhotsk Sea at Aniva Bay; 3–379 m, mainly shallow.

***Liparis fucensis* Gilbert 1896**

Liparis fucensis Gilbert 1896:447 [ref. 1628] (Strait of Juan da Fuca, *Albatross* sta. 3451, 48°25'10"N, 124°37'50"W, 106 fm; sta. 3459, 48°24'20"N, 124°24'40"W, 123 fm). Syntypes: MCZ 28378 (1) sta. 3459; NMW 75924 (1); SU 4004 (3) sta. 3451; USNM 48600 (2) sta. 3451.

Neoliparis fissuratus Starks 1896:560 [ref. 4195] (vicinity of Port Ludlow, Puget Sound, Washington, U.S.A.). Holotype (unique): SU 5044.

DISTRIBUTION: Eastern North Pacific: southeastern Bering Sea and Unimak Pass, eastern Aleutian Islands to Crescent City and San Simeon Point, central California; subtidal to 225 (388) m.

***Liparis gibbus* Bean 1881**

Liparis gibbus Bean 1881:148 [ref. 223] (Unalaska, St. Paul I., Alaska, U.S.A.). Lectotype: USNM 24047.

Liparis cyclostigma Gilbert 1896:446 [ref. 1628] (Bristol Bay, Alaska, U.S.A., *Albatross* sta. 3252, 57°22'20"N, 164°24'40"W, 29.5 fm). Holotype (unique): USNM 48621.

Liparis rufescens Burke 1930:25, 26, 35 [ref. 702] (no locality). Syntypes: (6) whereabouts unknown.

Liparis liparis bathyarticus Parr 1931:29, Fig. 6 [ref. 16386] (Green Harbor, Spitsbergen). Syntypes: (37) ZMUB 2879 (?), 7646 (?).

DISTRIBUTION: Arctic, North Pacific, northern North Atlantic: circumpolar; south in Pacific to Okhotsk Sea (Patience [Terpeniya] Bay), southeastern Kamchatka and northern Kuril Islands, Bering Sea, Commander and Aleutian islands, and Gulf of Alaska to British Columbia; in Atlantic to northern Gulf of St. Lawrence and Barents Sea; 30–540 (647) m.

REMARKS: The lectotype of *Liparis gibbus* Bean was established by Burke (1930:79 [ref. 702]).

***Liparis grebnitzkii* (Schmidt 1904)**

Neoliparis grebnitzkii Schmidt 1904:165, Pl. 6 (figs. 4a–b) [ref. 3946] (Bering I., Commander Is., Bering Sea). Holotype (unique): ZIN 8855 (lost).

DISTRIBUTION: Western North Pacific: Commander Islands; intertidal. Known with certainty only from the holotype. Peter the Great Bay record is questionable.

REMARKS: *Neoliparis grebnitzkii* Schmidt 1903:519 [p. 17 of separate] [ref. 3945] is a nomen nudum. Because the holotype was lost, Chernova (1998:765 [735 of translation] [ref. 24687]) suggested that the illustration (Schmidt 1904: Pl. 6 [ref. 3946]) be accepted as the holotype. *Liparis grebnitzkii* may be a junior synonym of *Liparis callyodon* (Pallas 1814).

***Liparis inquilinus* Able 1973**

Liparis inquilinus Able 1973:788, Fig. 1 [ref. 7551] (w. North Atlantic, 39°30' to 40°00'N, 73°30' to 72°20'W, 36–73 m). Holotype: USNM 208466.

DISTRIBUTION: Western North Atlantic: Newfoundland to Cape Hatteras, including the Gulf of St. Lawrence, Gulf of Maine, and Georges Bank; 3–97 m.

***Liparis koefoedi* Parr 1931**

Liparis koefoedi Parr 1931:39, Fig. 6 [ref. 16386] (Green Harbor, Spitsbergen). Syntypes: (37) ZMUB 5126-5133 (8).

DISTRIBUTION: Arctic: Spitsbergen; 15–300 m.

REMARKS: Has been considered a junior synonym of *Liparis fabricii* Krøyer 1847, which, *sensu lato*, is a species complex. *Liparis koefoedi* Parr is number 2808 on the Official List of Specific Names in Zoology (ICZN 1982 [ref. 26872]). See comments on *Ophidium parrii* Ross under Unavailable Species-Group Names.

***Liparis kusnetzovi* Taranetz 1935**

Liparis (*Neoliparis*) *kusnetzovi* Taranetz 1935:86 [ref. 21494] (Japan Sea, Tatar Strait, sw. Sakhalin I.). Syntypes: ZIN 25482 (3).

DISTRIBUTION: Western North Pacific: Japan Sea, Tatar Strait; shallow reef waters. Known only from the types.

***Liparis kussakini* Pinchuk 1976**

Liparis rutteri kussakini Pinchuk 1976:31, Fig. [ref. 7383] (Bering I., Commander Is., Russia, nw. Pacific). Holotype: Inst. Mar. Biol. Vladivostok 1/20001.

DISTRIBUTION: Western North Pacific: Commander Islands; tidepool. Known only from the types.

REMARKS: May not be a valid species.

***Liparis laptevi* Popov 1933**

Liparis laptevi Popov 1933:160, Fig. [ref. 16520] (east of Cape Chelyuskin, 77°44'N, 112°50'E, Laptev Sea, 90 [not 30] m). Lectotype: ZIN 35352.

DISTRIBUTION: Arctic Ocean: Laptev Sea. Known only from the types.

REMARKS: The lectotype was designated by Chernova (1998:766 [ref. 24687]). *Liparis laptevi* has been considered a junior synonym of *Liparis fabricii* Krøyer 1847.

***Liparis latifrons* Schmidt 1950**

Liparis latifrons Schmidt 1950:196 [187 of translation] [ref. 12471] (Okhotsk Sea between Enkan Cape and St. Jona [Iony] I., 57°17'30"N, 141°08'E, 141 m). Lectotype: ZIN 29114.

Liparis latifrons meridionalis Schmidt 1950:197 [188 of translation] [ref. 12471] (Peter the Great Bay, Bosfor Strait, Japan Sea, 106 m). Lectotype: ZIN 12433.

DISTRIBUTION: Western North Pacific: Japan Sea, Okhotsk Sea, southeastern Kamchatka; (0) 65–165 (360) m.

REMARKS: The lectotypes were designated by Chernova (1998:766–767 [ref. 24687]). Some authors consider *Liparis latifrons meridionalis* Schmidt 1950 a junior synonym of *Liparis*

ochotensis Schmidt 1904, *Liparis rotundirostris* Krasnyukova 1984, *Liparis eos* Krasnyukova 1984, *Liparis lindbergi* Krasnyukova 1984, *Liparis quasimodo* Krasnyukova 1984, and *Careproctus furcatus* Mori 1956 have been considered junior synonyms.

***Liparis lindbergi* Krasnyukova 1984**

Liparis lindbergi Krasnyukova 1984:12, Fig. 6 [ref. 20305] (near Starodubskoye, e. coast of Sakhalin I., Okhotsk Sea, 147–187 m). Holotype: ZIN 42376.

DISTRIBUTION: Western North Pacific: southwestern Okhotsk Sea. Known only from the types.

REMARKS: May be a junior synonym of *Liparis latifrons* Schmidt 1950. “*Liparis lindbergi* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

***Liparis liparis* (Linnaeus 1766)**

Cyclopterus liparis Linnaeus 1766:414 [ref. 2786] (Northern Ocean). Syntypes (possible syntypes): BMNH 1853.11.12.182 [Gronovius coll.] (1, skin), Linn. Soc. Lond. 26–27 (2, left half-skins).

Cyclopterus lineatus Lepechin 1774:522, Pl. 5 (figs. 2–3) [ref. 26748] (White Sea Passage, Medvezhii I., n. Russia). Holotype: whereabouts unknown, probably lost.

***Liparis lineatus* var. *multistriata* Lütken 1862: Pl. 7 (fig. 1) [ref. 27100] (Iceland). Holotype (unique): whereabouts unknown.**

Liparis lineatus var. *assimilis* Collett 1879:42 [ref. 21044] (Christianiafjord, Stavangerfjord, Lofoten Is.). Syntypes: whereabouts unknown.

Liparis lineatus var. *subfuscus* Collett 1879:42 [ref. 21044] (Christianiafjord, Farsund, and Varangerfjord). Syntypes: whereabouts unknown.

Liparis lineatus var. *scorpioides* Collett 1879:43 [ref. 21044] (Varanger). Syntypes (3): whereabouts unknown.

Liparis lineatus var. *mixtus* Collett 1879:43 [ref. 21044] (Lofoten Is.). Holotype (unique): whereabouts unknown.

Liparis lineatus var. *decorus* Collett 1879:43 [ref. 21044] (Christianiafjord and Lofoten Is.). Syntypes: whereabouts unknown.

Liparis lineatus var. *scriptus* Collett 1879:43 [ref. 21044] (Buknfjord, Christianiafjord). Syntypes (2): whereabouts unknown.

Liparis lineatus var. *fuscus* Collett 1879:45 [ref. 21044] (Nordcap, Varangerfjord). Syntypes (2): whereabouts unknown.

Liparis vulgaris Fleming 1828:190 [ref. 1339] (England). No types known.

Liparis barbatus Ekström 1832:169, Pl. 5 [ref. 21034] (Baltic Sea, outside Sodermanland, Moroko Archipelago). Holotype (unique): NHMG 190.

Cyclopterus liparoides Nilsson 1832:62 [ref. 3204] (Norway). No types known.

Liparis lineatus Krøyer 1847:284 [ref. 19481] (Tromsø, Norway). Holotype: ZMUC 110.

Liparis stellatus Malm 1865:406 [ref. 17596] (Bohuslan, Loken, North Sea). Holotype (unique): NHMG 1231.

DISTRIBUTION: Eastern North Atlantic and Arctic: European coastal waters from English Channel to eastern part of the Kola Peninsula (37°50'E), Jan Mayen, Iceland, and southward to Portugal; 3–78 m.

REMARKS: *Cyclopterus lineatus* Lepechin 1774 may not be a junior synonym of *L. liparis*, as indicated by Able (1990:484 [ref. 20106]), but rather a senior synonym of *Liparis tunicatus* Reinhardt 1836; see Chernova (1998:766 [ref. 24687]) and remarks under *L. tunicatus*.

The name “*Liparis lineatus* (Lep.) var. *multistriata*” appeared on Plate 7 of Lütken 1862. The specimen depicted is from Iceland (Lütken 1862:254 [12 of separate]), and measures 69 mm TL. Two infrasubspecific names introduced for color variations are in the synonymy of *Liparis liparis*

(Linnaeus 1777): *Liparis lineatus* var. *major multistriata* Lütken 1862:257 [15] and *Liparis lineatus* var. *minor paucistriata* Lütken 1862:257 [15].

Collett's (1879 [ref. 21044]) *L. lineatus* forms *assimilis*, *subfuscus*, *scorpioides*, *mixtus*, *decorus*, *scriptus*, and *fuscus* are based on color variations of *L. liparis* (Chernova 1991:20 [ref. 23263]).

Liparis liparis bathyarticus Parr 1931 from Spitsbergen is not a synonym of *Liparis liparis* but is a junior synonym of *Liparis gibbus* Bean 1881. A valid subspecies, *Liparis liparis barbatus* Ekström 1832, exists in the Baltic Sea.

***Liparis maculatus* Krasuykova 1984**

Liparis maculatus Krasuykova 1984:5, Fig. 1 [ref. 20305] (e. coast of Sakhalin, Okhotsk Sea, near Starodubskoe, 27–42 m). Holotype (unique): ZIN 42369.

DISTRIBUTION: Western North Pacific: Okhotsk Sea. Known only from the holotype.

REMARKS: This name is objectively invalid because it is preoccupied by *Liparis maculatus* Malm 1865, a junior synonym of *L. montagui* (Donovan 1804). However, *Liparis maculatus* Malm has not been used as a valid name except by Malm (1865 [ref. 17596], 1877 [ref. 2881]) himself. "*Liparis maculatus* Schmidt sp. n." in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

***Liparis marmoratus* Schmidt 1950**

Liparis marmoratus Schmidt 1950:199 [190 of translation], Pl. 16 (fig. 1) [ref. 12471] (Sakhalin, opposite Cape Elizaveta and Okha R., n. Okhotsk Sea, 100–165 m). Lectotype: ZIN 29112.

DISTRIBUTION: North Pacific: northern Okhotsk Sea near northern tip of Sakhalin Island and in Gizhiginskaya Bay, and Bering Sea near St. Lawrence Island; 96–165 m.

REMARKS: The lectotype was designated by Chernova (1998:767 [ref. 24687]).

***Liparis mednius* (Soldatov 1930)**

Neoliparis mednius Soldatov in Soldatov & Lindberg 1930:339, Fig. 55 [ref. 4164] (Medny I., Commander Is., Bering Sea). Neotype: ZIN 30606.

DISTRIBUTION: Western North Pacific: Commander Islands (Medny and Bering); tidepools and shallow water.

REMARKS: The neotype was designated by Chernova (1998:767 [ref. 24687]). Possibly a junior synonym of *Liparis micraspidophorus* (Gilbert & Burke 1912).

***Liparis megacephalus* (Burke 1912)**

Cyclogaster megacephalus Burke 1912:569 [ref. 701] (e. Bering Sea, Alaska, Albatross sta. 3519, 60°06'00"N, 171°25'00"W, 37 fm). Holotype: USNM 53791.

DISTRIBUTION: North Pacific: eastern Bering Sea and western Aleutian Islands; 58–69 m. South Korean record (Kim et al. 1993 [ref. 22288]) is questionable.

***Liparis micraspidophorus* (Gilbert & Burke 1912)**

Cyclogaster (*Neoliparis*) *micraspidophorus* Gilbert & Burke 1912:71, Fig. 16 [ref. 1634] (Nikolski, Bering I., Bering Sea). Holotype: USNM 74379.

DISTRIBUTION: North Pacific: Commander Islands (Bering Island), Aleutian Islands from Attu Island to Cold Bay, Alaska Peninsula; intertidal.

REMARKS: *Liparis mednius* (Soldatov 1930) may be a junior synonym.

***Liparis miostomus* Matsubara & Iwai 1954**

Liparis miostomus Matsubara & Iwai 1954:429, Fig. 4 [ref. 12283] (off Kushiro, Hokkaido, Japan). Holotype: FAKU 13291.

DISTRIBUTION: Western North Pacific: Japan Sea, Okhotsk and Pacific coasts of Hokkaido, southeastern Kamchatka; 0–10 m.

***Liparis montagui* (Donovan 1804)**

- Cyclopterus montagui* Donovan 1804:5 [not paginated], Pl. 68 [ref. 17408] (England). No types known.
Cyclopterus gobius Nilsson 1832:62 [ref. 3204] (Landskrona, Sweden). No types known.
Liparis ekstromii Malm 1865:412 [ref. 17596]. (Hallebæk [Kattegat, Sweden]). No types known.
Liparis maculatus Malm 1865:412 [ref. 17596] (Bukn, Bohuslan). No types known.
Liparis montagui var. *annulatus* Collett 1879:39 [ref. 21044] (Christiansund, Norway). Holotype (unique): whereabouts unknown.
Liparis montagui var. *obscurus* Collett 1879:40 [ref. 21044] (Hardangerfjorden, Norway). Holotype (unique): whereabouts unknown.
Liparis montagui var. *pictus* Collett 1879:40 [ref. 21044] (Bergen, Norway and Øxford, Finmarken). Syntypes: (3) whereabouts unknown.
Liparis montagui var. *principalis* Collett 1879:38 [ref. 21044]. (Christianafjord, Stavanger, Manger, Finmarken). Syntypes: whereabouts unknown.
Liparis montagui var. *striatus* Collett 1879:39 [ref. 21044] (Manger, on Bergen coast). Holotype (unique): whereabouts unknown.

DISTRIBUTION: Eastern North Atlantic and Arctic: European waters, northeast to Kola Peninsula, south to Bay of Biscay; Iceland, Faeroe Islands; tidal and sublittoral.

REMARKS: Collett (1879 [ref. 21044]) reported that Malm had eight specimens of the form *L. montagui striatus*, but those specimens were not used in the description and are not types. Specimens of “*Liparis gobius*” from Landskrona, NRM 30408 (2, nontypes), described by Schagerström (1838:248 [ref. 18677]) are *Liparis montagui* (Donovan 1804).

***Liparis mucosus* Ayres 1855**

- Liparis mucosus* Ayres 1855:24 [ref. 13428] (San Francisco, California, U.S.A.). Syntypes: CAS (2) destroyed in 1906 earthquake and fire.
DISTRIBUTION: Eastern North Pacific: southeastern Alaska (Samsing Cove and Baker Island) and British Columbia to Baja California; depth to 15 m, not typically in tidepools.

REMARKS: The CAS specimen described and illustrated in Jordan and Starks (1895:832, Pl. 95 [xcv] [ref. 2522]) as *Neoliparis mucosus* (Ayres) might have been one of the original syntypes.

***Liparis newmani* Cohen 1960**

- Liparis newmani* Cohen 1960:15, Fig. 1 [ref. 11904] (off Chodo I., w. coast of Korea, ca. 38°30'N, 124°15'E, 5–8 fm). Holotype (unique): SU 53270.
DISTRIBUTION: Western North Pacific: Yellow Sea. Known only from the holotype.

***Liparis niger* Soldatov & Lindberg 1930**

- Liparis niger* Soldatov & Lindberg 1930:352, Fig. 56 [ref. 4164] (Peter the Great Bay, Tatar Strait, Pacific). Holotype (unique): lost.
DISTRIBUTION: Western North Pacific: Tatar Strait; depth unknown. Species is known only from the holotype.

REMARKS: May be a junior synonym of *Liparis ochotensis* Schmidt 1904.

***Liparis ochotensis* Schmidt 1904**

- Liparis ochotensis* Schmidt 1904:163, Fig. 11 [ref. 3946] (Okhotsk Sea north of Cape Patience [Mys Terpeniya], near Popov Point, Sakhalin I., Russia, 49 fm). Lectotype: ZIN 12963.
Cyclogaster ingens Gilbert & Burke 1912:360, Pl. 43 (fig. 1) [ref. 1633] (off coast of Korea, Japan Sea, Albatross sta. 4863, 36°21'N, 129°53'E, 250 fm). Holotype (unique): USNM 73330.
Liparis multiradiatus Matsubara & Iwai 1954:437, Fig. 9 [ref. 12283] (off Kushiro, Hokkaido, Japan). Holotype: FAKU 13303.

DISTRIBUTION: North Pacific: Japan Sea from Korea to Tatar Strait, Okhotsk Sea from mouth of Amur River to Aniva Bay off Cape Terpeniya, Pacific off Hokkaido to Kuril Islands and southeastern Kamchatka, northern and eastern Bering Sea; 58–761 m.

REMARKS: The lectotype of *L. ochotensis* Schmidt was designated by Chernova (1998:768 [ref. 24687]). *Liparis niger* Soldatov & Lindberg 1930 and *Liparis latifrons* Schmidt 1950 have been considered junior synonyms.

***Liparis owstoni* (Jordan & Snyder 1904)**

Trismegistus owstoni Jordan & Snyder 1904:238, Pl. 58; Fig. 29 [ref. 2519] (Enoshima, Sagami Bay, Japan). Holotype (unique): SU 8385.

DISTRIBUTION: Western North Pacific: East China Sea coast of Kyushu Island off Nagasaki, Pacific coast of Honshu at Sagami Bay, and Japan Sea off Hokkaido, near Oki Island (Sanin Region of Honshu), and at Peter the Great Bay and Tatar Strait; 0–10 m.

REMARKS: Kido (1988 [ref. 12287]) erroneously thought that *Liparis owstoni* was possibly based on an abnormal specimen of *Liparis tanakae* (Gilbert & Burke 1912).

***Liparis petschiliensis* (Rendahl 1926)**

Cyclogaster petschiliensis Rendahl 1926:185 [ref. 15608] (Peithaiho [Peitaiho], Chili, China). Syntypes: (4) ?NRM 17880–81 (2, 2).

DISTRIBUTION: Western North Pacific: Yellow Sea. Known only from the types.

***Liparis pravdini* Schmidt 1951**

Liparis pravdini Schmidt 1951:378, Fig. 1 [ref. 20306] (Mordvinov Bay, e. Sakhalin I., s. Okhotsk Sea, Russia, 80–99 m). Holotype (unique): ZIN 42383.

DISTRIBUTION: Western North Pacific: Okhotsk Sea. Known only from the holotype.

***Liparis pulchellus* Ayres 1855**

Liparis pulchellus Ayres 1855:26 [ref. 13428] (San Francisco market, probably taken in San Francisco Bay, California, U.S.A.). Holotype (unique): apparently lost.

DISTRIBUTION: Eastern North Pacific: southeastern Bering Sea and Aleutian Islands to Monterey Bay, central California; 9–90 (183) m.

REMARKS: Specimens reported from Peter the Great Bay and Aniva Bay are not this species.

***Liparis punctatus* Schmidt 1950**

Liparis punctatus Schmidt 1950:197 [189 of translation] [ref. 12471] (Okhotsk Sea between Enkan Cape and Iony I., 68 m). Lectotype: ZIN 42818 [ex ZIN 29121].

DISTRIBUTION: Western North Pacific: Okhotsk Sea; 58–165 m.

REMARKS: The lectotype was designated by Chernova (1998:768 [ref. 24687]).

***Liparis punctulatus* (Tanaka 1916)**

Careproctus punctulatus Tanaka 1916:174 [ref. 15076] (Bishamon, near Misaki, Kanagawa Pref., Japan). Holotype (unique): ZUMT 7079.

Careproctus okadae Tanaka 1916:174 [ref. 15076] (Noroiso Bay, near Misaki, Japan). Holotype (unique): ?ZUMT 7080.

Liparis franzi Abe 1950:135, Figs. 1–2 [ref. 15629] (Misaki, Japan). Holotype: LICPP 115.

Liparis punctulatus rutilus Abe 1955:323, Fig. 4 [ref. 12176] (Koiso, Hayama, Kanagawa Pref., Japan). Holotype: LICPP 626.

DISTRIBUTION: Western North Pacific: Japan Sea from Korean Peninsula to Peter the Great Bay, and Japan Sea and Pacific coasts of Japan from Nagasaki to Aomori Prefecture, northern Honshu; 0–20 m.

REMARKS: *Careproctus sarasa* Tanaka 1916 may be a junior synonym of *L. punctulatus*.

***Liparis quasimodo* Krasnyukova 1984**

Liparis quasimodo Krasnyukova 1984:7, Fig. 2 [ref. 20305] (Terpeniya Bay, e. coast of Sakhalin I., Okhotsk Sea, 60 m). Holotype (unique): ZIN 42391.

DISTRIBUTION: Western North Pacific: southern Okhotsk Sea. Known only from the holotype.

REMARKS: “*Liparis quasimodo* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum. May be a synonym of *Liparis latifrons* Schmidt 1950.

***Liparis rhodosoma* Burke 1930**

Liparis rhodosoma Burke 1930:81 [ref. 702] (off Sakhalin, Okhotsk Sea, *Albatross* sta. 5023, 48°43'30"N, 145°03'E, 75 fm). Holotype: SU 22271.

DISTRIBUTION: Western North Pacific: Okhotsk Sea; 0–150 m.

REMARKS: Has been considered a junior synonym of *Liparis ochotensis* Schmidt 1904.

***Liparis rotundirostris* Krasnyukova 1984**

Liparis rotundirostris Krasnyukova 1984:9, Fig. 4 [ref. 20305] (Mordvinov Bay, e. coast of Sakhalin I., Okhotsk Sea, 60–80 m). Holotype: ZIN 42372.

DISTRIBUTION: Western North Pacific: southwestern Okhotsk Sea. Known only from the holotype.

REMARKS: Has been considered a junior synonym of *Liparis latifrons* Schmidt 1950. “*Liparis rotundirostris* Schmidt sp. n.” in Lindberg 1959:255 [ref. 26863] is a nomen nudum.

***Liparis rutteri* (Gilbert & Snyder 1898)**

Neoliparis rutteri Gilbert & Snyder in Jordan & Evermann 1898:2108 [ref. 2444] (Uyak Bay, Kodiak I., Alaska, U.S.A.). Lectotype: SU 5701.

DISTRIBUTION: Eastern North Pacific: Aleutian Islands and Gulf of Alaska; tidepools and shallow water.

REMARKS: Stein et al. (2003:822 [ref. 27262]) redescribed this species and designated a lectotype. *Liparis rutteri kussakini* Pinchuk 1976 [ref. 7383] from Bering Island is not this species.

***Liparis schantarensis* (Lindberg & Dulkeit 1929)**

Neoliparis schantarensis Lindberg & Dulkeit 1929:47, Fig. [ref. 19732] (Konstantin Bay, Okhotsk Sea). Syntypes: (2) not at ZIN.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, southeastern Kamchatka; intertidal to 16 m.

***Liparis schmidtii* Lindberg & Krasnyukova 1987**

Liparis schmidtii Lindberg & Krasnyukova 1987:385, figured [ref. 15964] (west coast of Sakhalin I., Japan Sea). Holotype: ZIN 12996 (lost).

DISTRIBUTION: Western North Pacific: Tatar Strait; intertidal. Known only from the holotype.

***Liparis tanakae* (Gilbert & Burke 1912)**

Cyclogaster tanakae Gilbert & Burke 1912:357, Pl. 42 (fig. 2) [ref. 1633] (Vries I., Sagami Bay, Japan). Holotype: SU 21417.

DISTRIBUTION: Western North Pacific: Yellow Sea, East China Sea, Japan Sea, Okhotsk Sea, Pacific coast of Japan to northern Kuril Islands; 50–121 m.

REMARKS: Occasionally seen spelled *tanakai*, but the correct original spelling is *tanakae* and must not be changed (see, especially, Articles 31.1.3 and 32.5.1).

***Liparis tartaricus* Soldatov 1930**

Liparis tartaricus Soldatov in Soldatov & Lindberg 1930:361, Pl. 16 (upper) [ref. 4164] (Peter the Great Bay, n. Pacific). Holotype (unique): not at ZIN.

DISTRIBUTION: Western North Pacific: Japan Sea at Peter the Great Bay and off Petrov Island; shallow water.

***Liparis tessellatus* (Gilbert & Burke 1912)**

Cyclogaster tessellatus Gilbert & Burke 1912:355, Pl. 41 (fig. 3); Fig. 2 [ref. 1633] (se. coast of Hokkaido, west of Erimo Saki, Japan, *Albatross* sta. 5042, 42°17'30"N, 142°07'30"E, 61 fm). Holotype: USNM 73328.

Liparis brevicaudus Mori 1956:31, Figs. 1–2 [ref. 7765] (Yamato Bank, central Japan Sea, 38°–39°N, east of 134°E, 300–400 m). Holotype (unique) (?): whereabouts unknown.

DISTRIBUTION: Western North Pacific: Japan Sea off Korean Peninsula to Tatar Strait and Shimane Prefecture (southern Honshu) to Hokkaido, Pacific off Ibaraki Prefecture (central Honshu) to South Kuril Strait, Okhotsk Sea off southern Sakhalin; to 400 m, usually less than 270 m.

REMARKS: *Liparis alboventer* (Krasnyukova 1984) may be a junior synonym. Mori (1956 [ref. 7765]) did not give the number of types or place of deposit for his species *Liparis brevicaudus*.

***Liparis tunicatiformis* Krasnyukova 1984**

Liparis tunicatiformis Krasnyukova 1984:8, Fig. 3 [ref. 20305] (Tatar Strait, w. coast Sakhalin I. near Antonovo, nw. Pacific). Holotype: ZIN 34953.

DISTRIBUTION: Western North Pacific: Japan Sea (west coast of Sakhalin Island, Tatar Strait) and South Kuril Strait; 14–33 m.

REMARKS: *Liparis tunicatiformis* may be a junior synonym of *Liparis agassizii* Putnam 1874. “*Liparis tunicatiformes* Schmidt sp. n.” in Lindberg (1959:255 [ref. 26863]) is a nomen nudum.

***Liparis tunicatus* Reinhardt 1836**

Liparis tunicata Reinhardt 1836:12 [ref. 6587] (Greenland). No types known.

Liparis arctica Gill 1864:191 [ref. 1700] (Port Foulke, Greenland). Syntypes: ANSP, USNM 5341 (1, lost).

Liparis steineni Fischer 1885:63 [ref. 1333] (Arctic [not South Georgia I.]). Lectotype: ZMH H422 [ex 3945].

Liparis herschelinus Scofield in Jordan & Evermann 1898:2123 [ref. 2444] (Herschel I., 80 mi. west of Mackenzie R., Arctic Ocean). Syntypes: ANSP 114539 [ex SU] (1), SU 5601 (1), 69778 [ex SU 5601] (18).

DISTRIBUTION: Arctic and adjacent North Atlantic and North Pacific: circumpolar, south to Greenland and in Bering Sea south to St. Matthew Island and Anadyr Bay; to 90 (150) m.

REMARKS: *Liparis tunicata* Reinhardt also appeared on p. cxi in Kgl. Danske Vidensk. Selsk. Natur. Math. Afhandl., 1837, v. 6: cvii–cxi. The lectotype of *Liparis steineni* Fischer was designated by Ladiges et al. (1958:167 [ref. 19181]). *Liparis herschelinus* also appeared as new in Scofield (1899:504, Pl. 74 [ref. 20627]).

“*Cyclopterus liparis altera minor*” Fabricius 1780:135 [ref. 17464] from Greenland is infra-specific and in the synonymy of *Liparis tunicatus* Reinhardt 1836.

***Liparis zonatus* Chernova, Stein & Andriashev 2004**

Liparis zonatus Chernova, Stein & Andriashev 2004:30 [this publication] (Heishi-chao, Dalian, Liaoning Prov., China). Holotype: Liaoning Mar. Fish Res. Inst. 830043.

Liparis maculatus Ding in Liu & Qin et al. 1987:412 [ref. 23200] (Heishi-chao, Dalian, Liaoning Prov., China). Holotype: Liaoning Mar. Fish. Res. Inst. 830043.

DISTRIBUTION: Northwest Pacific: Yellow Sea, Dalian and south of Liao Dong Wan; black rock reef, depth not known.

REMARKS: The name *Liparis zonatus* Chernova, Stein & Andriashev 2004 (nomen novum) is herein provided as a replacement name for *Liparis maculatus* Ding 1987, which is preoccupied by *Liparis maculatus* Malm 1865 and *Liparis maculatus* Krasnyukova 1984. The specific epithet *zonatus* is from the Latin meaning “banded.”

Genus *Lipariscus* Gilbert 1915

Lipariscus Gilbert 1915:358 [ref. 1632]. Type species *Lipariscus nanus* Gilbert 1915. Type by original designation (also monotypic).

REMARKS: *Lipariscus* has been considered a junior synonym of *Paraliparis* Collett 1879.

***Lipariscus nanus* Gilbert 1915**

Lipariscus nanus Gilbert 1915:358, Pl. 19 (fig. 15) [ref. 1632] (Monterey Bay, California, U.S.A., Albatross sta. 4461, 285–357 fm). Holotype: USNM 75817.

DISTRIBUTION: North Pacific: southern Okhotsk Sea off Hokkaido, western Bering Sea off Commander Islands, eastern Bering Sea over continental slope, eastern Gulf of Alaska, and Pacific off British Columbia to Monterey Bay, California; pelagic, (0) 58–910 m.

Genus *Nectoliparis* Gilbert & Burke 1912

Nectoliparis Gilbert & Burke 1912:82 [ref. 1634]. Type species *Nectoliparis pelagicus* Gilbert & Burke 1912. Type by original designation (also monotypic).

***Nectoliparis pelagicus* Gilbert & Burke 1912**

Nectoliparis pelagicus Gilbert & Burke 1912:82, Fig. 27 [ref. 1634] (between Attu I., Aleutian Is. and Medny I., Commander Is., Bering Sea, Albatross sta. 4785, 53°20'N, 170°33'E, estimated 300 fm). Holotype: USNM 74389.

DISTRIBUTION: North Pacific: Okhotsk Sea, Pacific southeast of Hokkaido to southeastern Kamchatka and Bering Sea, Alaska to California; pelagic, (0) 200–3,383 m (maximum depths unlikely, probably collected in nonclosing nets nearer to the surface).

Genus *Notoliparis* Andriashev 1975

Notoliparis Andriashev 1975:315 [ref. 119]. Type species *Notoliparis kurchatovi* Andriashev 1975. Type by original designation.

***Notoliparis kermadecensis* (Nielsen 1964)**

Careproctus kermadecensis Nielsen 1964:117, Fig. 5 [ref. 2739] (Kermadec Trench, 35°51'S, 178°31'W, 6,660–6,770 m). Holotype: ZMUC P82217.

DISTRIBUTION: Western South Pacific: Kermadec Trench. Known only from the types.

***Notoliparis kurchatovi* Andriashev 1975**

Notoliparis kurchatovi Andriashev 1975:315, Fig. [ref. 119] (South Orkney Is., s. Atlantic, 60°13'S, 44°11'W, 5,474–5,465 m). Holotype (unique): ZIN 41755.

DISTRIBUTION: Western South Atlantic: South Orkney Trench. Known only from the holotype.

***Notoliparis macquariensis* Andriashev 1978**

Notoliparis macquariensis Andriashev 1978:155, Figs. 1–2 [ref. 8965] (w. Pacific, Macquarie Trench, 54°59'S, 159°21'E, 5,400–5,410 m). Holotype: ZIN 43160.

DISTRIBUTION: Southern Ocean: Macquarie–Hjort Trench. Known only from the types.

Genus *Odontoliparis* Stein 1978

Odontoliparis Stein 1978:33 [ref. 4203]. Type species *Odontoliparis ferox* Stein 1978. Type by original designation (also monotypic).

***Odontoliparis ferox* Stein 1978**

Odontoliparis ferox Stein 1978:33, Fig. 10d [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise C7310B, sta. CP-3-D, haul BMT 335, 44°59.8'N, 127°29.2'W, 2,884 m). Holotype (unique): USNM 214591.

DISTRIBUTION: Eastern North Pacific: off Oregon. Known only from the holotype.

Genus *Osteodiscus* Stein 1978

Osteodiscus Stein 1978:24 [ref. 4203]. Type species *Osteodiscus cascadiae* Stein 1978. Type by original designation (also monotypic).

***Osteodiscus andriashevi* Pitruk & Fedorov 1990**

Osteodiscus andriashevi Pitruk & Fedorov 1990:856 [112], Fig. 1 [ref. 20174] (Okhotsk Sea, 48°10'N, 148°02'[or 148°01']E, 1,950–1,930 m). Holotype: ZIN 49367.

DISTRIBUTION: Western North Pacific: central Okhotsk Sea; 766–1,950 m.

***Osteodiscus cascadiae* Stein 1978**

Osteodiscus cascadiae Stein 1978:24, Fig. 9 [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise Y6910A, sta. CP-1-E, BMT 119, 44°40.7'N, 125°35.9'W, 2,779 m). Holotype: USNM 214619.

DISTRIBUTION: Eastern North Pacific: off British Columbia to Oregon; 1,900–3,000 m.

Genus *Palmoliparis* Balushkin 1996

Palmoliparis Balushkin 1996:293 [ref. 22524]. Type species *Palmoliparis beckeri* Balushkin 1996. Type by original designation (also monotypic).

***Palmoliparis beckeri* Balushkin 1996**

Palmoliparis beckeri Balushkin 1996:294, Figs. 1–3 [ref. 22524] (n. Kuril Is., 49°22'N, 155°40'E, 256–277 m). Holotype: ZIN 50969.

DISTRIBUTION: Western North Pacific: northern Kuril Islands and southeastern Kamchatka; 200–800 m.

Genus *Paraliparis* Collett 1879

Paraliparis Collett 1879:34 [ref. 885]. Subgenus of *Liparis*. Type species *Liparis bathybi* Collett 1879. Type by monotypy.

Amitra Goode 1881:477 [ref. 1833]. Type species *Amitra liparina* Goode 1881. Type by monotypy.

Monomitra Goode 1883:109 [ref. 1835]. Type species *Amitra liparina* Goode 1881. Type by being a replacement name.

Gymnolycodes Vaillant 1888:312 [ref. 4496]. Type species *Gymnolycodes edwardsi* Vaillant 1888. Type by monotypy.

Hilgendorfia Goode & Bean 1896:280 [ref. 1848]. Type species *Paraliparis membranaceus* Günther 1887. Type by monotypy.

Amitrichthys Jordan & Evermann 1896:453 [ref. 2442]. Subgenus of *Paraliparis*. Type species *Paraliparis cephalus* Gilbert 1892. Type by original designation.

Merophorus Garman 1899:114 [ref. 1540]. Type species *Paraliparis angustifrons* Garman 1899. Type by monotypy.

REMARKS: *Paraliparis* Collett 1879 was described as a subgenus of *Liparis* Scopoli 1777. *Amitra* Goode 1881 is not preoccupied by *Amitrus* in Coleoptera; therefore, *Monomitra* Goode

1883 is an unneeded replacement name. *Merophorus* Garman 1899 should be recognized formally as a synonym of *Paraliparis*, being used in combination with the species name *angustifrons*. This generic name was used only in two places on page 114. All other mentions of *angustifrons* by Garman in the same work are in combination with *Paraliparis*, and no one else has used the named *Merophorus*.

***Paraliparis abyssorum* Andriashev & Chernova 1997**

Paraliparis abyssorum Andriashev & Chernova 1997:439, Figs. 3–4 [ref. 23747] (ne. Atlantic, 49°54'N, 13°56'W, 3,852 m). Holotype: BMNH 1996.6.28.6.

DISTRIBUTION: Eastern North Atlantic: southwest of Ireland. Known only from the types.

***Paraliparis albeolus* Schmidt 1950**

Paraliparis albeolus Schmidt 1950:220 [212 of translation], Pl. 20 (fig. 1) [ref. 12471] (about midway between Iony I. and Kamchatka, n. Okhotsk Sea, 55°31'N, 149°10'E, 375 m). Syntypes: MCZ 34079 (1, missing), ZIN 24482 (6, now 2).

DISTRIBUTION: Western North Pacific: Okhotsk Sea; 260–375 m.

REMARKS: *Paraliparis albeolus* Schmidt in Taranetz (1937:137 [ref. 13384]) is a nomen nudum.

***Paraliparis albescens* Gilbert 1915**

Paraliparis albescens Gilbert 1915:355, Pl. 18 (fig. 13) [ref. 1632] (Monterey Bay, California, U.S.A., Albatross sta. 4515, 198–495 fm). Holotype (unique): USNM 75816.

DISTRIBUTION: Eastern Pacific: Monterey Bay; 362–905 m. Known only from the types.

***Paraliparis andriashevi* Stein & Tompkins 1989**

Paraliparis Andriashevi Stein & Tompkins 1989:4, Figs. 5–6 [ref. 12858] (Ross Sea, 72°26.5'S, 177°08'E, 1,890 m). Holotype: LACM 11467-2.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica; 1,883–2,306 m.

***Paraliparis angustifrons* Garman 1899**

Paraliparis angustifrons Garman 1899:119, Pls. 27 (fig. 4), 28 (fig. 4), 29 (fig. 3) [ref. 1540] (off Panama Bay, Albatross sta. 3394, 7°21'N, 79°35'W, 511 fm). Syntypes: MCZ 28699 (2, poor condition).

DISTRIBUTION: Eastern North Pacific: off Panama; 935 m. Known only from the types.

***Paraliparis antarcticus* Regan 1914**

Paraliparis antarcticus Regan 1914:11 [ref. 3661] (south of Balleny I., Antarctica, 200 fm). Lectotype: BMNH 1913.12.4.58-60.

Paraliparis wildi Waite 1916:43, Pl. 4 (fig. 1); Fig. 9 [ref. 4568] (Mary Land, off Shackleton Ice Shelf, 65°06'S, 96°13'E, Antarctica, 325 fm). Holotype (unique): SAMA F378.

DISTRIBUTION: Southern Ocean: shelf of East Antarctica; 300–782 m.

REMARKS: The lectotype was designated by Andriashev (1982:536 [ref. 8514]).

***Paraliparis anthracinus* Stein, Chernova & Andriashev 2001**

Paraliparis anthracinus Stein, Chernova & Andriashev 2001:364, Fig. 20 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 41°46.4'S, 144°24.4'E, 1,024–1,080 m). Holotype (unique): CSIRO H1576-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis aspersus* Andriashev 1992**

Paraliparis aspersus Andriashev 1992:149, Figs. 1–3 [ref. 21311] (South Atlantic, *Walther Herwig* sta. 804/78, 54°38'S, 61°49'W). Holotype: ISH 477-78.

DISTRIBUTION: Western South Atlantic: Argentina and Burdwood Bank; 800–845 m.

***Paraliparis ater* Stein, Chernova & Andriashev 2001**

Paraliparis ater Stein, Chernova & Andriashev 2001:365, Fig. 21 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 41°45.8'S, 144°24.8'E, 1,000–992 m). Holotype (unique): CSIRO H749-04.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis atramentatus* Gilbert & Burke 1912**

Paraliparis atramentatus Gilbert & Burke 1912:377, Pl. 48 (fig. 1) [ref. 1633] (off Cape Shionomisaki, e. coast of Honshu, Japan, *Albatross* sta. 4971, 33°23'30"N, 135°34'E, 649 fm). Holotype (unique): USNM 73345.

DISTRIBUTION: Western North Pacific: off Honshu, Japan, and Okinawa Trough, East China Sea; 1,000–1,188 m.

***Paraliparis atrolabiatus* Stein, Chernova & Andriashev 2001**

Paraliparis atrolabiatus Stein, Chernova & Andriashev 2001:366, Fig. 22 [ref. 25901] (west of Cape Sorell, w. coast of Tasmania, Australia, 42°20.45'S, 144°40.4'E, 1,120–1,220 m). Holotype (unique): CSIRO H550-11.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis attenuatus* Garman 1899**

Paraliparis attenuatus Garman 1899:118, Pls. 27 (fig. 3), 28 (fig. 3), 29 (fig. 2) [ref. 1540] (off Panama Bay, *Albatross* sta. 3364, 5°30'00"N, 86°8'30"W, 902 fm). Holotype (unique): MCZ 28700 (poor condition).

DISTRIBUTION: Eastern North Pacific: off Panama; 1,650 m. Known only from the holotype.

***Paraliparis auriculatus* Stein, Chernova & Andriashev 2001**

Paraliparis auriculatus Stein, Chernova & Andriashev 2001:367, Fig. 23 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 41°45.8'S, 144°24.8'E, 1,000–992 m). Holotype (unique): CSIRO H749-06.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis australiensis* Stein, Chernova & Andriashev 2001**

Paraliparis australiensis Stein, Chernova & Andriashev 2001:369, Fig. 24 [ref. 25901] (100 km south of Kangaroo I., South Australia, 37°01.09'S, 137°25.44'E, 1,090–1,160 m). Holotype (unique): NMV A21497.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis australis* Gilchrist 1902**

Paraliparis australis Gilchrist 1902:107, Pl. 7 [ref. 1644] (40 miles west by north off Table Mountain, South Africa, 300 fm). Syntypes: (2) BMNH 1902.5.28.15 (1), ?SAM 25104 (1).

DISTRIBUTION: Eastern South Atlantic: off southwestern Africa, 17°31'S–32°28'S; 295–571 m.

***Paraliparis avellaneus* Stein, Chernova & Andriashev 2001**

Paraliparis avellaneus Stein, Chernova & Andriashev 2001:370, Fig. 25 [ref. 25901] (Australia, 100 km south of Kangaroo I., 37°01.09'S, 137°25.44'E, 1,090–1,160 m). Holotype (unique): NMV A5873.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis badius* Stein, Chernova & Andriashev 2001**

Paraliparis badius Stein, Chernova & Andriashev 2001:371, Fig. 26 [ref. 25901] (off Tasmania, Australia, depth unknown). Holotype (unique): CSIRO T1981-01.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis balgueriasi* Matallanas 1999**

Paraliparis balgueriasi Matallanas 1999:1018, Fig. 1 [ref. 24927] (Weddell Sea, 71°53'S, 12°43'W, 504–529 m). Holotype (unique): ZUAB 014-1997.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica. Known only from the holotype.

***Paraliparis bathybius* (Collett 1879)**

Liparis (Paraliparis) bathybi Collett 1879:32 [ref. 885] (108 km west of Bear I., Barents Sea, 1,200 m). Holotype (unique): ZMUO J4346.

DISTRIBUTION: Arctic: Norwegian and Greenland seas, Baffin Bay, Central Polar Basin; (200) 1,080–2,824 m.

REMARKS: Also appeared as new in Collett (1880:52, Pl. 2 (fig. 14) [ref. 887]). Species was described as *Liparis bathybi* and placed in the new subgenus *Paraliparis* later in the same work. Emended to *bathybius* by authors, first by Günther (1887:68 [ref. 2013]), and that spelling has been in prevailing usage since 1892 and should be used for consistency.

***Paraliparis bipolaris* Andriashev 1997**

Paraliparis bipolaris Andriashev 1997:261, Figs. 1–2 [ref. 23173] (ne. Atlantic, 50°12'N, 13°40'W, 3,000–3,040 m). Holotype: BMNH 1996.6.28.9 [not 1996.6.2819].

DISTRIBUTION: North Atlantic: southwest of Ireland. Known only from the types.

***Paraliparis brunneocaudatus* Stein, Chernova & Andriashev 2001**

Paraliparis brunneocaudatus Stein, Chernova & Andriashev 2001:372, Fig. 27 [ref. 25901] (w. coast of Tasmania, Australia). Holotype (unique): CSIRO T1980-01.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania; depth not known. Species is known only from the holotype.

***Paraliparis brunneus* Stein, Chernova & Andriashev 2001**

Paraliparis brunneus Stein, Chernova & Andriashev 2001:374, Fig. 28 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, 41°45.8'S, 144°24.8'E, 1,000–992 m). Holotype (unique): CSIRO H749-05.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis calidus* Cohen 1968**

Paraliparis calidus Cohen 1968:385, Fig. 1 [ref. 7880] (Gulf of Mexico, Oregon sta. 4662, 27°25'N, 93°40'W, 400 fm). Holotype: USNM 202469.

DISTRIBUTION: Western North Atlantic: Gulf of St. Lawrence to Gulf of Mexico; 150–732 m.

***Paraliparis cephalus* Gilbert 1892**

Paraliparis cephalus Gilbert 1892:561 [ref. 1626] (off California and Oregon, 284–984 fm).
Syntypes: SU 21 (4).

DISTRIBUTION: North Pacific: off Commander Islands, central Bering Sea, off Unalaska Island, western Gulf of Alaska, northern British Columbia to southern California; 294–1,799 m.

***Paraliparis cerasinus* Andriashev 1986**

Paraliparis cerasinus Andriashev 1986:40, Fig. 13 [ref. 12760] (Princess Astrid Coast, e. Antarctica, 69°14'S, 12°35'E, 959–1,100 m). Holotype (unique): ZIN 46808.

DISTRIBUTION: Southern Ocean: East Antarctica. Known only from the holotype.

***Paraliparis challengerii* Andriashev 1993**

Paraliparis challengerii Andriashev 1993:598, Figs. 1–2 [ref. 21898] (ne. Atlantic, 57°01'N, 10°05'W, 2,100 m). Holotype: BMNH 1992.4.10.8.

DISTRIBUTION: Eastern North Atlantic: Porcupine Basin; 2,000–2,100 m.

***Paraliparis charcoti* Duhamel 1992**

Paraliparis charcoti Duhamel 1992:196, Fig. 1c [ref. 19909] (Halley Bay, Weddell Sea, 74°40.2'S, 29°36.6'W, 484–509 m). Holotype: MNHN 1991-0352.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica; 460–793 m.

***Paraliparis copei* Goode & Bean 1896**

Paraliparis copei Goode & Bean 1896:279, Pl. 71 (fig. 253) [ref. 1848] (Gulf Stream, *Albatross* sta. 2232, 39°12'17"N, 72°09'30"W, 520 fm). Holotype: USNM 35637.

Paraliparis wilsoni Richards 1966:171, Fig. 1 [ref. 9058] (off Gabon, w. Africa, 4°08'S, 10°08'E, 1134 m). Holotype (unique): USNM 198201.

Paraliparis copei kerguelensis Andriashev 1982:722, Figs. 1(4–6), 2(3) [ref. 8516] (sw. Indian Ocean, near Kerguelen Is., 50°01'S, 70°48'E, 580–600 m). Holotype: ZIN 45825.

Paraliparis copei gibbericeps Andriashev 1982:182 [4 of translation], Figs. 2, 3(2) [ref. 8515] (near South Georgia I., South Atlantic, 53°39'S, 36°20'W, 640–625 m). Holotype: ZIN 45711.

DISTRIBUTION: North Atlantic and eastern South Atlantic; (200) 372–1,692 m.

REMARKS: Four subspecies are recognized: *P. c. copei* (North Atlantic, (200) 548–1,692 m); *P. c. wilsoni* (Meteor Seamount and Walvis Ridge to southwest Africa, 700–1,134 m); *P. c. kerguelensis* (Kerguelen Islands and Kerguelen Plateau, 372–1,050 m); and *P. c. gibbericeps* (South Georgia Island, 400–1,000 m).

***Paraliparis coracinus* Stein, Chernova & Andriashev 2001**

Paraliparis coracinus Stein, Chernova & Andriashev 2001:375, Fig. 29 [ref. 25901] (west of Cape Martin, off South Australia, 37°34.53'S, 138°57.00'E, 1,205–1,175 m). Holotype (unique): CSIRO H1935-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis costatus* Stein, Chernova & Andriashev 2001**

Paraliparis costatus Stein, Chernova & Andriashev 2001:376, Fig. 30 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 41°51.4'S, 144°23.8'E, 1,366–1,370 m). Holotype: CSIRO H561-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania; 1,042–1,370 m.

***Paraliparis csiroi* Stein, Chernova & Andriashev 2001**

Paraliparis csiroi Stein, Chernova & Andriashev 2001:378, Fig. 31 [ref. 25901] (60 km south of the Victoria–South Australia border, 38°37.58'S, 141°01.12'E, 1,080–1,110 m). Holotype (unique): NMV A5874.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off eastern South Australia. Known only from the holotype.

***Paraliparis dactyloides* Schmidt 1950**

Paraliparis dactyloides Schmidt 1950:219 [211 of translation], Pl. 18 (fig. 2); Fig. 22 [ref. 12471] (northeast of Cape Elizaveta, n. Okhotsk Sea, 54°55'N, 143°50'E, 525 m). Lectotype: ZIN 24481.

DISTRIBUTION: Western North Pacific: Okhotsk Sea. Known only from the types.

REMARKS: The lectotype was designated by Chernova (1998:770 [ref. 24687]).

***Paraliparis dactylosus* Gilbert 1896**

Paraliparis dactylosus Gilbert 1896:469, Pl. 34 (middle) [ref. 1628] (off Santa Cruz, California, U.S.A., Albatross sta. 3112, 37°08'00"N, 122°47'00"W, 296 fm). Lectotype: USNM 48616.

DISTRIBUTION: North Pacific: off Commander and Kuril Islands, eastern Bering Sea off Pribilof Islands, Pacific south of Unimak Pass and off Oregon and California; 541–1,000 m.

REMARKS: The lectotype was established by Burke (1930:164 [ref. 702]).

***Paraliparis darwini* Stein & Chernova 2002**

Paraliparis darwini Stein & Chernova 2002:153, Fig. 1 [ref. 26234] (Isla Wolf, Galápagos Is., Ecuador, e. Pacific, 637 m). Holotype (unique): CAS 86576.

DISTRIBUTION: Eastern Pacific, equatorial: Galápagos Islands. Known only from the holotype.

***Paraliparis deani* Burke 1912**

Paraliparis deani Burke 1912:571 [ref. 701] (Stephens Passage, se. Alaska, U.S.A., Albatross sta. 4253, 131–188 fm). Holotype: USNM 60570.

DISTRIBUTION: Eastern North Pacific: Shelikof Strait, western Gulf of Alaska to southern British Columbia; northern California; 18–1,008 m.

***Paraliparis debueni* Andriashev 1986**

Paraliparis debueni Andriashev 1986:57, Figs. 21–22 [ref. 12760] (coast of Chile, near Chiloe Is., 42°24'S, 74°45'W, 440–470 m). Holotype (unique): ZIN 46809.

DISTRIBUTION: Eastern South Pacific: off Chile. Known only from the holotype.

***Paraliparis delphis* Stein, Chernova & Andriashev 2001**

Paraliparis delphis Stein, Chernova & Andriashev 2001:379, Fig. 32 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 41°45.8'S, 144°24.8'E, 1,000–992 m). Holotype (unique): CSIRO H749-03.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis devriesi* Andriashev 1980**

Paraliparis devriesi Andriashev 1980:150, Fig. [ref. 8758] (near McMurdo Observatory, Ross Sea, Antarctica, 700 m). Holotype: ZIN 43577.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica near McMurdo; 500–700 m.

REMARKS: *Paraliparis de Vriesi* [correctly *devriesi*] in DeVries and Lin (1977:439 [ref. 26864]) is a nomen nudum; validated as above by Andriashev (1980).

***Paraliparis dewitti* Stein, Chernova & Andriashev 2001**

Paraliparis dewitti Stein, Chernova & Andriashev 2001:381, Fig. 33 [ref. 25901] (Great Australian Bight, South Australia, 34°26.5'S, 132°04'E, 1,175–1,118 m). Holotype (unique): CSIRO T889-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis diploprora* Andriashev 1986**

Paraliparis diploprora Andriashev 1986:65, Figs. 25–26 [ref. 12760] (Scotia Sea off South Georgia I., *Walther Herwig* sta. 97-II/76, 54°12'S, 40°02'W, 0–2,600 m). Holotype (unique): ISH 407/76.

DISTRIBUTION: Southern Ocean: Scotia Sea. Known only from the holotype.

***Paraliparis dipterus* Kido 1988**

Paraliparis dipterus Kido 1988:242, Fig. 63 [ref. 12287] (off Ida, Suruga Bay, Pacific side of Honshu, Japan, 250 m). Holotype (unique): HUMZ 106666.

DISTRIBUTION: Western North Pacific: off central Honshu. Known only from the holotype.

***Paraliparis duhameli* Andriashev 1994**

Paraliparis duhameli Andriashev 1994:294 [3 of translation], Figs. 2–3 [ref. 21902] (off the subantarctic islands of the Indian Ocean, 45°50'S, 51°17'E, 995–1,055 m). Holotype (unique): MNHN 1988-0070.

DISTRIBUTION: Southern Ocean: Crozet Islands. Known only from the holotype.

***Paraliparis eastmani* Stein, Chernova & Andriashev 2001**

Paraliparis eastmani Stein, Chernova & Andriashev 2001:382, Fig. 34 [ref. 25901] (east of Broken Bay, New South Wales, Australia, 33°29.5'S, 152°12.5'E, 1,035–1,070 m). Holotype (unique): AMS I.28900-003.

DISTRIBUTION: Western South Pacific: Tasman Sea off New South Wales, Australia. Known only from the holotype.

***Paraliparis edwardsi* (Vaillant 1888)**

Gymnolycodes edwardsi Vaillant 1888:313 (387), Pl. 26 (fig. 3) [ref. 4496] (off Morocco, 1,319 m). Holotype (unique): MNHN 1886-0522 (poor condition).

DISTRIBUTION: Eastern North Atlantic: off Morocco. Known only from the holotype.

***Paraliparis eltanini* Stein & Tompkins 1989.**

Paraliparis eltanini Stein & Tompkins 1989:3, Figs. 3–4 [ref. 12858] (Strait of Magellan, 53°46.5'S, 70°53'W, 485 m). Holotype: LACM 10450-3.

DISTRIBUTION: Eastern South Pacific: southern Chile at Strait of Magellan. Known only from the types.

***Paraliparis entochloris* Gilbert & Burke 1912**

Paraliparis entochloris Gilbert & Burke 1912:378, Pl. 48 (fig. 3) [ref. 1633] (s. Okhotsk Sea, *Albatross* sta. 5018, 46°41'30"N, 143°57'40"E, 100 fm). Holotype: USNM 73347.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, northern Kuril Islands; 182–200 m.

***Paraliparis fimbriatus* Garman 1892**

Paraliparis fimbriatus Garman 1892:9 [ref. 1537] (southwest of Panama, *Albatross* sta. 3381, 4°56'N, 80°52'W, 1,772 fm). Holotype (unique): MCZ 28702.

DISTRIBUTION: Eastern North Pacific: off Panama; 3,243 m. Known only from the holotype.

***Paraliparis fuscolingua* Stein & Tompkins 1989**

Paraliparis fuscolingua Stein & Tompkins 1989:5, Figs. 7–8 [ref. 12858] (Cape Adare, Ross Sea, Antarctica, 70°55'S, 172°59.5'E, 2,273 m). Holotype: LACM 11351-4.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the types.

***Paraliparis galapagosensis* Stein & Chernova 2002**

Paraliparis galapagosensis Stein & Chernova 2002:155, Fig. 2 [ref. 26234] (Cabo Rosa, south of Isla Isabela, Galápagos Is., e. Pacific, 710 m). Holotype (unique): CAS 86737.

DISTRIBUTION: Eastern Pacific, equatorial: Galápagos Islands. Known only from the holotype.

***Paraliparis garmani* Burke 1912**

Paraliparis garmani Burke 1912:572 [ref. 701] (off New England, U.S.A., *Albatross* sta. 2586, 39°02'40"N, 72°40'00"W, 328 fm). Holotype: USNM 64129.

DISTRIBUTION: Western North Atlantic: Davis Strait to Cape Hatteras; 424–1,000 m.

***Paraliparis gomoni* Stein, Chernova & Andriashev 2001**

Paraliparis gomoni Stein, Chernova & Andriashev 2001:383, Fig. 35 [ref. 25901] (100 km northeast of Flinders I., Tasmania, Australia, 39°00.92'S, 148°43.71'E, 1,140–1,160 m). Holotype (unique): NMV A7124.

DISTRIBUTION: Western South Pacific: Tasman Sea northeast of Tasmania. Known only from the holotype.

***Paraliparis gracilis* Norman 1930**

Paraliparis gracilis Norman 1930:352, Fig. 42 [ref. 3219] (near South Georgia I., sw. Atlantic, 53°48'00"S, 35°37'30"W, 728 m). Holotype (unique): BMNH 1930.1.12.1077.

DISTRIBUTION: Southern Ocean: off South Georgia Island, South Orkney, South Sandwich, and Crozet Islands; 120–1,055 m.

***Paraliparis grandis* Schmidt 1950**

Paraliparis grandis Schmidt 1950:218 [210 of translation], Pl. 20 (fig. 2); Fig. 21 [ref. 12471] (n. Okhotsk Sea, 55°13'N, 146°34'E, 525 m). Holotype (unique): ZIN 24486.

DISTRIBUTION: Western North Pacific: Okhotsk Sea, Kuril Islands, southeastern Kamchatka, western Bering Sea; 105–1,995 m.

***Paraliparis hobarti* Stein, Chernova & Andriashev 2001**

Paraliparis hobarti Stein, Chernova & Andriashev 2001:384, Fig. 36 [ref. 25901] (continental slope of Tasmania, Australia). Holotype (unique): CSIRO H3170-01.

DISTRIBUTION: Southeastern Indian Ocean–western South Pacific: off Tasmania, exact locality and depth unknown. Species is known only from the holotype.

***Paraliparis holomelas* Gilbert 1896**

Paraliparis holomelas Gilbert 1896:441 [ref. 1628] (north of Unalaska I., *Albatross* sta. 3332, 54°02'50"N, 166°45'00"W, 406 fm). Lectotype: USNM 48637.

DISTRIBUTION: North Pacific: Okhotsk Sea, off northern Kuril Islands and southeastern Kamchatka, southern Bering Sea, Gulf of Alaska; (128) 617–3,350 m.

REMARKS: The lectotype was established by Jordan & Evermann (1898:2141 [ref. 2444]).

***Paraliparis hubbsi* Andriashev 1986**

Paraliparis hubbsi Andriashev 1986:79, Figs. 33–34 [ref. 12760] (sw. Atlantic off Patagonia, 45°53'S, 58°46'W, 1,500 m). Holotype: ZIN 46776.

DISTRIBUTION: Western South Atlantic: east of Argentina; 1,200–1,600 m.

***Paraliparis hureaui* Matallanas 1999**

Paraliparis hureaui Matallanas 1999:1020, Fig. 2 [ref. 24927] (Weddell Sea, 71°53'S, 12°43'W, 504–529 m). Holotype (unique): ZUAB 015-1997.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica. Known only from the types.

***Paraliparis hystrix* Merrett 1983**

Paraliparis hystrix Merrett 1983:430, Fig. 1 [ref. 8305] (ne. Atlantic, 49°30.7'N, 11°36.0'W). Holotype: BMNH 1982.2.1.1.

DISTRIBUTION: Eastern North Atlantic: southwest of Ireland; 265–1,050 m.

***Paraliparis impariporus* Stein, Chernova & Andriashev 2001**

Paraliparis impariporus Stein, Chernova & Andriashev 2001:386, Fig. 37 [ref. 25901] (west of Trial Harbour, w. coast of Tasmania, Australia, 41°51.97'S, 144°27.16'E, 1,040–1,050 m). Holotype (unique): CSIRO H3168-01.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis incognita* Stein & Tompkins 1989**

Paraliparis incognita Stein & Tompkins 1989:6 [ref. 12858] (Davis Sea, off Shackleton Ice Shelf, 64°06'S, 98°27'E, Southern Ocean, 460–560 m). Holotype: ZIN 45935.

DISTRIBUTION: Southern Ocean: East Antarctica; 360–560 m.

***Paraliparis infeliciter* Stein, Chernova & Andriashev 2001**

Paraliparis infeliciter Stein, Chernova & Andriashev 2001:387, Fig. 38 [ref. 25901] (west of Cape Banks, South Australia, 37°37.9'S, 139°00.60'E, 1,070–1,090 m). Holotype (unique): CSIRO H3169-01.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis kreffti* Andriashev 1986**

Paraliparis kreffti Andriashev 1986:83, Figs. 35–36 [ref. 12760] (Scotia Sea, between South Georgia I. and Shag Rocks, *Walther Herwig* sta. 97-II/76, 54°12'S, 40°02'W, about 2,600 m). Holotype: ISH 405/76.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica and Scotia Sea; 850–2,600 m.

***Paraliparis labiatus* Stein, Chernova & Andriashev 2001**

Paraliparis labiatus Stein, Chernova & Andriashev 2001:388, Fig. 39 [ref. 25901] (west of Granville Harbour, w. coast of Tasmania, Australia, 44°45.8'S, 144°24.8'E, 1,000–992 m). Holotype (unique): CSIRO H749-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis lasti* Stein, Chernova & Andriashev 2001**

Paraliparis lasti Stein, Chernova & Andriashev 2001:389, Fig. 40 [ref. 25901] (Great Australian Bight, South Australia, 33°45.5'S, 129°37.5'E, 1,152–1,000 m). Holotype (unique): CSIRO T982-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight. Known only from the holotype.

***Paraliparis latifrons* Garman 1899**

Paraliparis latifrons Garman 1899:120, Pls. 27 (fig. 2), 28 (figs. 2–2f) [ref. 1540] (off Panama Bay (Pacific), *Albatross* sta. 3382, 6°21'N, 80°41'W, 1,793 fm). Syntypes: MCZ 28698 (7).

DISTRIBUTION: Eastern North Pacific: Oregon to Panama; 2,030–3,281 m.

***Paraliparis leobergi* Andriashev 1982**

Paraliparis leobergi Andriashev 1982:534 [4 of translation], Figs. 2, 5(2) [ref. 8514] (Cooperation Sea, Antarctica, 66°48'[not 64°48']S, 63°50'E, 165–180 m). Holotype: ZIN 45936.

DISTRIBUTION: Southern Ocean: East Antarctica; 165–515 (970) m.

***Paraliparis leucogaster* Andriashev 1986**

Paraliparis leucogaster Andriashev 1986:91, Figs. 39–40 [ref. 12760] (Bransfield Strait, Antarctic Peninsula, 63°56'S, 61°47'W, 210–260 m). Holotype (unique): ISH 914/76.

DISTRIBUTION: Southern Ocean: South Shetland Islands, Bransfield Strait, Antarctica; 210–500 m.

***Paraliparis leucoglossus* Andriashev 1986**

Paraliparis leucoglossus Andriashev 1986:95, Figs. 41–42 [ref. 12760] (se. Lazarev Sea, Princess Astrid Coast, 69°23'S, 11°04'E, 900–960 m). Holotype (unique): ZIN 47176.

DISTRIBUTION: Southern Ocean: Lazarev Sea, Antarctica. Known only from the holotype.

***Paraliparis liparinus* (Goode 1881)**

Amitra liparina Goode 1881:477, 478 [ref. 1833] (off Rhode Island, U.S.A., *Fish Hawk* sta. 891, 487 fm). Syntypes: USNM 26184 (2, discarded).

DISTRIBUTION: Western North Atlantic: southeast of Long Island, New York; 600–891 m. Known only from the types.

REMARKS: The specific name has been changed to match the masculine gender of the genus *Paraliparis*. Andriashev (1993 [ref. 21898]) suggested that the illustration of the holotype in Goode and Bean (1896: fig. 252) be accepted as the holotype.

***Paraliparis macrocephalus* Chernova & Eastman 2001**

Paraliparis macrocephalus Chernova & Eastman 2001:93, Figs. 1–4a [ref. 25672] (Drygalski Trough, Ross Sea, Antarctic Ocean, 75°03'60.0"–75°04'49.9"S, 165°12'30.0"–165°10'16.0"E, 1,181–1,191 m). Holotype (unique): USNM 361866.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the holotype.

***Paraliparis mandibularis* Kido 1985**

Paraliparis mandibularis Kido 1985:362, Figs. 2–3 [ref. 6723] (Tosa Bay, Japan, 32°58'N, 133°32'E, 605 m). Holotype (unique): BSKU 30513.

DISTRIBUTION: Western North Pacific: off Shikoku, southern Japan. Known only from the holotype.

***Paraliparis mawsoni* Andriashev 1986**

Paraliparis mawsoni Andriashev 1986:99, Figs. 43–44 [ref. 12760] (se. Lazarev Sea, Princess Astrid Coast, 69°17'S, 10°51'E, 980–1,080 m). Holotype (unique): ZIN 46821 (poor condition).

DISTRIBUTION: Southern Ocean: Lazarev Sea and South Shetland Islands, Antarctica; 735–1,080 m.

***Paraliparis megalopus* Stein 1978**

Paraliparis megalopus Stein 1978:50, Fig. 13e [ref. 4203] (off Oregon, U.S.A., *Yaquina* cruise Y7206B, sta. CP-1-WW, haul BMT 291, 44°04.0'N, 125°23.8'W, 2,940 m). Holotype: USNM 214616.

DISTRIBUTION: Eastern North Pacific: Cascadia and Tufts abyssal plains off Oregon; 2,830–3,585 m.

***Paraliparis meganchus* Andriashev 1982**

Paraliparis meganchus Andriashev 1982:179 [1 of translation], Figs. 1, 3(1) [ref. 8515] (near South Shetland Is., Antarctica, 61°39'S, 55°39'W, 850–750 m). Holotype: ZIN 45707.

DISTRIBUTION: Southern Ocean: South Orkney Islands, Weddell Sea, and South Shetland Islands–Bransfield Strait, Antarctica; 220–850 (1,145) m.

***Paraliparis melanobranchus* Gilbert & Burke 1912**

Paraliparis melanobranchus Gilbert & Burke 1912:378, Pl. 48 (fig. 2) [ref. 1633] (s. Okhotsk Sea, Albatross sta. 5029, 48°22'30"N, 145°43'30"E, 440 fm). Holotype (unique): USNM 73346.

DISTRIBUTION: North Pacific: Okhotsk Sea off Cape Terpeniya, British Columbia, and possibly Oregon; 805–1,554 m.

***Paraliparis membranaceus* Günther 1887**

Paraliparis membranaceus Günther 1887:69, Pl. 12 (fig. D) [ref. 2013] (off Cabo St. Vincent, Sarmiento Channel, Queen Adelaide Archipelago, Chile; *Challenger* sta. 310, 51°27'30"S, 74°03'W, 400 fm). Holotype (unique): BMNH 1887.12.7.20.

DISTRIBUTION: Eastern South Pacific: off southern Chile; depth about 732 m. Known only from the holotype.

***Paraliparis mento* Gilbert 1892**

Paraliparis mento Gilbert 1892:562 [ref. 1626] (off Oregon, U.S.A., Albatross sta. 3071, 47°29'N, 125°33'30"W, 685 fm). Holotype (unique): USNM 44298.

DISTRIBUTION: Eastern North Pacific: British Columbia to central California; 800–1,253 m.

***Paraliparis meridionalis* Kido 1985**

Paraliparis meridionalis Kido 1985:364, Figs. 5–6 [ref. 6723] (Okinawa Trough, East China Sea, 29°46'N, 127°59'E, 610–713 m). Holotype: BSKU 28687.

DISTRIBUTION: Western North Pacific: Okinawa Trough. Known only from the types.

***Paraliparis merodontus* Stein, Meléndez C. & Kong U. 1991**

Paraliparis merodontus Stein, Meléndez C. & Kong U. 1991:362, Figs. 8–9 [ref. 19979] (off central Chile, 31°29'S, 71°44'W, 700 m). Holotype: MNHNC P.6657.

DISTRIBUTION: Eastern South Pacific: off Chile; 700–910 m.

***Paraliparis molinai* Stein, Meléndez C. & Kong U. 1991**

Paraliparis molinai Stein, Meléndez C. & Kong U. 1991:364, Figs. 10–11 [ref. 19979] (off Chile, 31°14'S, 71°46'W, 800 m). Holotype: MNHNC P.6660.

DISTRIBUTION: Eastern South Pacific: off Valparaiso, Chile. Known only from the types.

***Paraliparis monoporus* Andriashev & Neyelov 1979**

Paraliparis monoporus Andriashev & Neyelov 1979:14, Figs. 3, 5(3) [ref. 8756] (s. Scotia Sea between South Shetland Is. and South Orkney Is., 61°10'S, 50°41'W, 850–860 m). Holotype (unique): ZIN 44094.

DISTRIBUTION: Southern Ocean: Lazarev Sea (East Antarctica) and Scotia Sea; 850–1,000 m.

***Paraliparis murieli* Matallanas 1984**

Paraliparis murieli Matallanas 1984:563, Fig. 1 [ref. 17438] (Blanes, w. Mediterranean Sea, 500–600 m). Holotype (unique): UAB 30947.

DISTRIBUTION: Mediterranean Sea. Known only from the holotype.

***Paraliparis nassarum* Stein & Fitch 1984**

Paraliparis nassarum Stein & Fitch 1984:77, Figs. 1, 2b [ref. 8209] (San Clemente I., 10 miles east-northeast of Pyramid Head, California, U.S.A.). Holotype: LACM 38272-3.

DISTRIBUTION: Eastern North Pacific: southern California to Baja California; 900–1,280 m.

***Paraliparis neelovi* Andriashev 1982**

Paraliparis neelovi Andriashev 1982:721, Figs. 1(3), 2(2) [ref. 8516] (sw. Indian Ocean, Banzare Banks, south of Heard I., 56°50'S, 71°06'E, 1,420–1,390 m). Holotype: ZIN 45819.

DISTRIBUTION: Southern Ocean: Banzare and Elan banks; 1,070–2,000 m. A pelagic juvenile was collected near Kerguelen Island at a depth of 350 m over bottom of 1,111 m.

REMARKS: A pelagic juvenile most similar to *P. neelovi* but slightly different from it was collected off the Kerguelen Islands at a depth of 250 m over bottom of 1,253 m (Chernova and Duhamel 2003 [ref. 27237]).

***Paraliparis obliquosus* Chernova & Duhamel 2003**

Paraliparis obliquosus Chernova & Duhamel 2003:138, Fig. 2 [ref. 27232] (off Crozet Is., 45°27'S, 50°25'E, 550–1,345 m). Holotype: MNHN 2002-1089.

DISTRIBUTION: Southern Ocean: off Crozet and Kerguelen islands; 350–1,345 m.

***Paraliparis obtusirostris* Stein, Chernova & Andriashev 2001**

Paraliparis obtusirostris Stein, Chernova & Andriashev 2001:391, Fig. 41 [ref. 25901] (100 km northeast of Flinders I., off Tasmania, Australia, 38°57.09'S, 148°41.95'E, 1,270–1,290 m). Holotype (unique): NMV A7123.

DISTRIBUTION: Western South Pacific: Tasman Sea northeast of Tasmania. Known only from the holotype.

***Paraliparis operculosus* Andriashev 1979**

Paraliparis operculosus Andriashev 1979:32, Fig. 3 [ref. 120] (near Kerguelen Is., 49°48'S, 71°01'E, 640 m). Holotype: ZIN 44933.

DISTRIBUTION: Southern Ocean: off Kerguelen and Heard islands and at Skif Seamount (south-west of Kerguelen); 380–1,010 m.

***Paraliparis orcadensis* Matallanas & Pequeño 2000**

Paraliparis orcadensis Matallanas & Pequeño 2000:298, Fig. 1 [ref. 24449] (South Orkney Is., 60°54.20'S, 42°19.60'W, 1,253 m). Holotype (unique): MNHNC P.7126.

DISTRIBUTION: Southern Ocean: off South Orkney Islands. Known only from the holotype.

***Paraliparis paucidens* Stein 1978**

Paraliparis paucidens Stein 1978:43, Figs. 11d, 12 [ref. 4203] (off Oregon, U.S.A., *Acona* cruise 6408, sta. WH 45, haul OTB 41, 44°21.9'N, 125°14.4'W, 2,086 m). Holotype: USNM 214618.

DISTRIBUTION: Eastern North Pacific: British Columbia (Dixon Entrance) and Oregon; 1,536–2,275 m.

***Paraliparis pectoralis* Stein 1978**

Paraliparis pectoralis Stein 1978:49, Fig. 13c [ref. 4203] (off Tillamook Head, Oregon, U.S.A., AEC sta. 26, 45°50'N, 125°06'W, 840 fm). Holotype: USNM 214606.

DISTRIBUTION: North Pacific: Okhotsk Sea off Hokkaido, eastern Bering Sea, British Columbia, and Oregon; 681–1,536 m.

***Paraliparis piceus* Stein, Chernova & Andriashev 2001**

Paraliparis piceus Stein, Chernova & Andriashev 2001:392, Fig. 42 [ref. 25901] (west of Trial Harbour, west coast of Tasmania, Australia, 41°51.25'S, 144°23.1'E, 1,384–1,416 m). Holotype (unique): CSIRO H805-04.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis plagiostomus* Stein, Chernova & Andriashev 2001**

Paraliparis plagiostomus Stein, Chernova & Andriashev 2001:393, Fig. 43 [ref. 25901] (west of Cape Sorell, west coast of Tasmania, Australia, 42°19.5'S, 144°42'E, 993–987 m). Holotype (unique): CSIRO T488-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

***Paraliparis retrodorsalis* Stein, Chernova & Andriashev 2001**

Paraliparis retrodorsalis Stein, Chernova & Andriashev 2001:394, Fig. 44 [ref. 25901] (west of Cape Martin, South Australia, 37°34.53'S, 138°57.00'E, 1,205–1,175 m). Holotype (unique): CSIRO H1935-01.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off South Australia. Known only from the holotype.

***Paraliparis rosaceus* Gilbert 1890**

Paraliparis rosaceus Gilbert 1890:93 [ref. 1623] (off s. California, U.S.A., *Albatross* sta. 2919, 32°17'N, 119°17'W, 984 fm). Holotype (unique): USNM 48918.

Paraliparis grandiceps Garman 1899:117, Pl. 29 (figs. 4–4g) [ref. 1540] (off Baja California, *Albatross* sta. 3434, 25°29'30"N, 109°48'00"W, 1,588 fm). Holotype (unique): MCZ 28701 (poor condition).

DISTRIBUTION: North Pacific: Okhotsk Sea off Hokkaido, Kuril Islands, and British Columbia to Baja California; 1,050–3,358 m.

***Paraliparis rossi* Chernova & Eastman 2001**

Paraliparis rossi Chernova & Eastman 2001:98, Figs. 4b–6 [ref. 25672] (sw. Ross Sea, Antarctica, 74°16'04.0"–74°17'43.9"S, 171°59'23.9"–171°56'52.3"E, 465–466 m). Holotype: USNM 361867.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica. Known only from the types.

***Paraliparis somovi* Andriashev & Neyelov 1979**

Paraliparis somovi Andriashev & Neyelov 1979:12, Figs. 2, 5(1) [ref. 8756] (sw. side of Elephant I., South Shetland Is., 61°39'S, 55°39'W, 850–750 m). Holotype: ZIN 44100.

DISTRIBUTION: Southern Ocean: off South Shetland Islands, Antarctica; 735–850 m.

***Paraliparis stehmanni* Andriashev 1986**

Paraliparis stehmanni Andriashev 1986:131, Figs. 57–58 [ref. 12760] (n. Scotia Sea between South Georgia and Shag Rocks, *Walther Herwig* sta. 97-II/76, 54°12'S, 40°02'W, about 2,600 m). Holotype: ISH 404/76.

DISTRIBUTION: Southern Ocean: Bransfield Strait (between South Shetland Islands and Antarctic Peninsula) and northern Scotia Sea; 2,119–2,600 m.

***Paraliparis tasmaniensis* Stein, Chernova & Andriashev 2001**

Paraliparis tasmaniensis Stein, Chernova & Andriashev 2001:396, Fig. 45 [ref. 25901] (southwest of King I., nw. Tasmania, Australia, 40°26.64'S, 143°18.36'E, 1,000–1,100 m). Holotype (unique): CSIRO H2679-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight northwest of Tasmania. Known only from the holotype.

***Paraliparis tetrapteryx* Andriashev & Neyelov 1979**

Paraliparis tetrapteryx Andriashev & Neyelov 1979:16, Figs. 4, 5(4) [ref. 8756] (near South Georgia I., sw. Atlantic, 53°34'S, 36°45'W, 830–658 m). Holotype: ZIN 44095.

DISTRIBUTION: Southern Ocean: South Georgia Island; (330) 500–843 m. Common.

***Paraliparis thalassobathyalis* Andriashev 1982**

Paraliparis thalassobathyalis Andriashev 1982:717, Figs. 1(1), 2(1) [ref. 8516] (sw. Indian Ocean, Banzare Banks, south of Heard I., 56°53'S, 70°18'E, 1,300 m). Holotype: ZIN 45811.

Paraliparis thalassobathyalis meteorensis Andriashev 2003:358, Figs. 190–191 [ref. 26955] (Southern Ocean, Meteor Seamount, 48°02'S, 08°25'E, 1,020–1,000 m). Holotype: ZIN 45938.

DISTRIBUTION: Southern Ocean: 620–1,600 m (see Remarks). Also collected pelagically at 45–350 m over bottom of 1,018–1,600 m (Chernova and Duhamel 2003 [ref. 27237]).

REMARKS: Three subspecies are recognized by Andriashev (2003 [ref. 26955]): *Paraliparis t. thalassobathyalis* from Banzare and Elan banks at Kerguelen Plateau, Heard Island, and Crozet Islands at 620–1,600 m; *P. t. meteorensis*, common at Meteor Seamount at 800–1,100 m; and an unnamed subspecies found west of South Georgia Island, Shag Rocks, 53°56.5'N, 41°20'W, at 620–635 m. For description of the unnamed species see Andriashev (2003:361, Fig. 192–193).

***Paraliparis tompkinsae* Andriashev 1992**

Paraliparis tompkinsae Andriashev 1992:150 [ref. 21311] (Southern Ocean, *Eltanin* sta. 1555, 60°06'S, 36°01.5'W, 1,976–2,068 m). Holotype (unique): LACM 11043-1.

DISTRIBUTION: Southern Ocean: east of South Orkney Islands. Known only from the holotype.

***Paraliparis trilobodon* Andriashev & Neyelov 1979**

Paraliparis trilobodon Andriashev & Neyelov 1979:10, Figs. 1, 5(2) [ref. 8756] (off South Shetland Is., 61°46'S, 53°59'W, 315–335 m). Holotype: ZIN 44098.

DISTRIBUTION: Southern Ocean: off South Shetland Islands. Known only from the types.

***Paraliparis trunovi* Andriashev 1986**

Paraliparis trunovi Andriashev 1986:153, Figs. 68–69 [ref. 12760] (se. Atlantic at Meteor Seamount, 48°03'S, 8°14'E, 960–970 m). Holotype: ZIN 46831.

DISTRIBUTION: Southern Ocean: southwestern Africa and Walvis Ridge to Meteor Seamount; 960–1,080 m.

***Paraliparis ulochir* Gilbert 1896**

Paraliparis ulochir Gilbert 1896:441 [ref. 1628] (Gulf of California, Mexico, *Albatross* sta. 3010, 27°23'45"N, 11°25'00"W, 1,005 fm). Syntypes: SU 2481 (2).

DISTRIBUTION: Eastern North Pacific: southeastern Bering Sea, Oregon, and Gulf of California; 720–1,900 m.

***Paraliparis valentinae* Andriashev & Neyelov 1984**

Paraliparis valentinae Andriashev & Neyelov 1984:1, Fig. 1; Pl. 1 [ref. 11367] (Gunnerus Ridge, East Antarctica, 68°02'S, 34°33'E, 940–1,100 m). Holotype: ZIN 46833.

DISTRIBUTION: Southern Ocean: Cosmonaut Sea, East Antarctica; 940–1,100 m.

***Paraliparis violaceus* Chernova 1991**

Paraliparis violaceus Chernova 1991:75, Figs. 38–40 [ref. 23263] (Nansen Basin, north of Severnaya Zemlya, 82°41'N, 87°03'E, 2,365 m). Holotype (unique): ZIN 29466.

DISTRIBUTION: Arctic Ocean: Nansen Basin. Known only from the holotype.

Genus *Polypera* Burke 1912

Polypera Burke 1912:567 [ref. 701]. Type species *Neoliparis greeni* Jordan & Starks 1895. Type by original designation (also monotypic).

REMARKS: May be a junior synonym of *Liparis* Scopoli 1777.

***Polypera greeni* (Jordan & Starks 1895)**

Neoliparis greeni Jordan & Starks 1895:829, Pl. 96 [ref. 2522] (Victoria Harbor, British Columbia, Canada). Holotype (unique): SU 3019.

Cyclogaster (*Neoliparis*) *beringianus* Gilbert & Burke 1912:72, Fig. 17 [ref. 1634] (Nikolski, Bering I.). Holotype: USNM 74380.

DISTRIBUTION: North Pacific: Commander, Aleutian, and Pribilof islands, Bering Sea to Washington; intertidal.

***Polypera simushirae* (Gilbert & Burke 1912)**

Cyclogaster (*Neoliparis*) *simushirae* Gilbert & Burke 1912:354, Pl. 41 (fig. 2) [ref. 1633] (Milne Bay, Simushir I., Japan). Holotype: USNM 73327.

DISTRIBUTION: Western North Pacific: Japan, Kuril Islands, southeastern Kamchatka; 0–833 m.

Genus *Praematoliparis* Andriashev 2003

Praematoliparis Andriashev 2003:376 [ref. 26955]. Type species *Paraliparis anarthractae* Stein & Tompkins 1989. Type by original designation (also monotypic).

***Praematoliparis anarthractae* (Stein & Tompkins 1989)**

Paraliparis anarthractae Stein & Tompkins 1989:1, Figs. 1–2 [ref. 12858] (Magellan Strait, *Eltanin* sta. 964, 53°28.5'S, 70°46'W [or 53°33'S, 70°45'W], ca. 55 m). Holotype: LACM 10727-5.

DISTRIBUTION: Eastern South Pacific: Strait of Magellan, Tierra del Fuego and south of Cape Horn; pelagic, mainly at 0–55 m, rare to 485 m.

Genus *Prognatholiparis* Orr & Busby 2001

Prognatholiparis Orr & Busby 2001:51 [ref. 25205]. Type species *Prognatholiparis ptychomandibularis* Orr & Busby 2001. Type by original designation (also monotypic).

***Prognatholiparis ptychomandibularis* Orr & Busby 2001**

Prognatholiparis ptychomandibularis Orr & Busby 2001:52, Figs. 1, 3–6 [ref. 25205] (Seguam Pass, Aleutian Is., 52.31836°N, 172.7453°W, 455 m). Holotype (unique): UW 042431.

DISTRIBUTION: Eastern North Pacific: Aleutian Islands. Known only from the holotype.

Genus *Psednos* Barnard 1927

Psednos Barnard 1927:76 [ref. 193]. Type species *Psednos micrurus* Barnard 1927. Type by monotypy.

Protosednos Andriashev 2003:64 [ref. 26955]. Subgenus of *Psednos*. Type species *Psednos nataliae* Stein & Andriashev 2001. Type by original designation.

REMARKS: This genus has been considered a synonym of *Paraliparis*. Many species are pelagic.

***Psednos andriashevi* Chernova 2001**

Psednos andriashevi Chernova 2001:481, Fig. 7a [ref. 25345] (e. North Atlantic, west of Ireland, 54°21'N, 17°59'W, 800 m). Holotype (unique): ISH 574-1986.

DISTRIBUTION: Eastern North Atlantic: west of Ireland. Known only from the holotype.

***Pseudnos anoderkes* Chernova & Stein 2002**

Pseudnos anoderkes Chernova & Stein 2002:774, Fig. 12 [ref. 26224] (northeast of Isla Guadalupe, Mexico, 29°12.6'N, 117°35.1'W, 0–2,036 m over bottom at 3,900 m). Holotype (unique): SIO 66-31(b) (poor condition).

DISTRIBUTION: Eastern North Pacific: off central Baja California. Known only from the holotype.

***Pseudnos balushkini* Stein, Chernova & Andriashev 2001**

Pseudnos balushkini Stein, Chernova & Andriashev 2001:356, Fig. 17 [ref. 25901] (east of Shoalhaven Heads, New South Wales, Australia, 34°48.5'S, 151°15.5'E, 914–960 m). Holotype: AMS I.24860-002.

DISTRIBUTION: Western South Pacific: Tasman Sea off New South Wales; 914–978 m.

REMARKS: In the subgenus *Protosseudnos*.

***Pseudnos barnardi* Chernova 2001**

Pseudnos barnardi Chernova 2001:483, Figs. 4, 7b [ref. 25345] (w. North Atlantic, 39°49'N, 70°39'W, 1,042–1,368 m). Holotype: MCZ 155422.

DISTRIBUTION: Western North Atlantic: east of New Jersey near Alvin and Block canyons; 750–1,368 m. Known from two specimens.

***Pseudnos cathetostomus* Chernova & Stein 2002**

Pseudnos cathetostomus Chernova & Stein 2002:768, Fig. 8 [ref. 26224] (San Clemente Basin, Mexico, 82.6 km 236° True from Cabo Punta Banda light, 31°17'N, 117°13'W, ca. 1,857–2,030 m). Holotype: LACM 9861-22.

DISTRIBUTION: Eastern North Pacific: off California and northern Baja California. Known only from the types.

***Pseudnos christinae* Andriashev 1992**

Pseudnos christinae Andriashev 1992:10, Figs. 4, 5a, 6, 7 [ref. 21312] (North Atlantic, *Walther Herwig* sta. 392/82, 49°48'N, 25°55'W, 1,000 m). Holotype: ISH 741-1982.

DISTRIBUTION: Eastern North Atlantic: Mid-Atlantic Ridge and west of Ireland; 1,000–1,500 m.

***Pseudnos delawarei* Chernova & Stein 2002**

Pseudnos delawarei Chernova & Stein 2002:773, Fig. 11 [ref. 26224] (w. North Atlantic, south of Cape Cod, Massachusetts, 39°48'05"N, 70°43'28"W, 0–1,000 m). Holotype (unique): MCZ 158611.

DISTRIBUTION: Western North Atlantic: east of New Jersey. Known only from the holotype.

***Pseudnos dentatus* Chernova & Stein 2002**

Pseudnos dentatus Chernova & Stein 2002:761, Fig. 2 [ref. 26224] (off Chile, 27°04.25'S, 71°42.3'W, 800 m over 7,060 m). Holotype (unique): SIO 72-154.

DISTRIBUTION: Eastern South Pacific: off northern Chile. Known only from the holotype.

***Pseudnos gelatinosus* Chernova 2001**

Pseudnos gelatinosus Chernova 2001:488, Figs. 3b, 9a [ref. 25345] (southeast of Greenland, 63°05'54"N, 39°39'54"W, 0–650 m, 1,330 m wire out). Holotype (unique): MCZ 64537.

DISTRIBUTION: Western North Atlantic: off Greenland. Known only from the holotype.

***Pseudnos griseus* Chernova & Stein 2002**

Pseudnos griseus Chernova & Stein 2002:771, Fig. 10 [ref. 26224] (e. North Pacific, northwest of Isla Guadalupe, Mexico, 31°07.9'N, 121°38.4'W, 0–4,000 m). Holotype (unique): SIO 60-287 (poor condition).

DISTRIBUTION: Eastern North Pacific: off central Baja California. Known only from the holotype.

***Pseudnos groenlandicus* Chernova 2001**

Pseudnos groenlandicus Chernova 2001:490, Figs. 5b, 6b, 8b, 9b [ref. 25345] (Davis Strait, western North Atlantic, 64°30'N, 56°17'W, 930 m). Holotype: ZMUC P 82660.

DISTRIBUTION: Western North Atlantic: Davis Strait off southwestern Greenland; 930–1,055 m.

***Pseudnos harteli* Chernova 2001**

Pseudnos harteli Chernova 2001:493, Figs. 5a, 6a, 9c [ref. 25345] (w. North Atlantic, 40°45'00"N, 65°42'00"W, 0–1,008 m). Holotype (unique): MCZ 63035.

DISTRIBUTION: Western North Atlantic; south of Browns Bank and east of Georges Bank. Known only from the holotype.

***Pseudnos islandicus* Chernova & Stein 2002**

Pseudnos islandicus Chernova & Stein 2002:767, Fig. 7 [ref. 26224] (south of Iceland, 59°59.7'N, 19°42.2'W, 1,250–1,500 m). Holotype (unique): BMNH 2001.9.7.2 (poor condition).

DISTRIBUTION: Western North Atlantic: south of Iceland. Known only from the holotype.

***Pseudnos melanocephalus* Chernova & Stein 2002**

Pseudnos melanocephalus Chernova & Stein 2002:762, Fig. 3 [ref. 26224] (w. North Atlantic, south of Greenland, 58°15'N, 48°45'W, 0–3,172 m). Holotype: LACM 10011-13.

DISTRIBUTION: Western North Atlantic: south of Greenland. Known only from the types.

***Pseudnos mexicanus* Chernova & Stein 2002**

Pseudnos mexicanus Chernova & Stein 2002:763, Fig. 4 [ref. 26224] (68.5 km 004° True from North Point, Isla Guadalupe, Mexico, 29°40'N, 118°15'W, 0–1,000 m over 3,292–3,384 m). Holotype: LACM 30028-20.

DISTRIBUTION: Eastern North Pacific: off central Baja California. Known only from the localities of the original description (the holotype and the nontype specimen).

***Pseudnos microps* Chernova 2001**

Pseudnos microps Chernova 2001:494, Figs. 3c, 10A [ref. 25345] (sw. Indian Ocean, Crozet Basin, 35°02'S, 60°01'E, 275–2,275 m). Holotype (unique): USNM 200520.

DISTRIBUTION: Southwestern Indian Ocean: Crozet Basin. Known only from the holotype.

***Pseudnos micruroides* Chernova 2001**

Pseudnos micruroides Chernova 2001:496, figs. 2, 3a, 5c, 10b [ref. 25345] (off se. Greenland, 63°50'18"N, 35°40'30"W, 0–900 m). Holotype (unique): MCZ 64538.

DISTRIBUTION: Eastern North Atlantic: off southeastern Greenland. Known only from the holotype.

***Pseudnos micrurus* Barnard 1927**

Pseudnos micrurus Barnard 1927:77 [ref. 193] (off Cape Point, South Africa, 660–700 fm). Holotype: BMNH 1930.1.14.7 [ex SAM] (poor condition).

DISTRIBUTION: Southwestern Indian Ocean: off Cape Point, Cape of Good Hope, South Africa and Madagascar Ridge; 1,207–1,280 m.

***Pseudnos mirabilis* Chernova 2001**

Pseudnos mirabilis Chernova 2001:499, Figs. 12a, 13a [ref. 25345] (slope off New England 39°47'N, 70°39'W, 0–700 m over 1,370–1,700 m). Holotype (unique): MCZ 155423.

DISTRIBUTION: Western North Atlantic: east of New Jersey near Alvin Canyon. Known only from the holotype.

***Pseudnos nataliae* Stein & Andriashev 2001**

Pseudnos nataliae Stein & Andriashev in Stein, Chernova & Andriashev 2001:357, Fig. 18 [ref. 25901] (southwest of Cape Sorell, Tasmania, 42°16'S, 144°39'E, 1,100–1,120 m). Holotype (unique): CSIRO H2636-04.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

REMARKS: In the subgenus *Protosednos*.

***Pseudnos pallidus* Chernova & Stein 2002**

Pseudnos pallidus Chernova & Stein 2002:770, Fig. 9 [ref. 26224] (w. coast of Baja California, northeast of Isla Guadalupe, 29°12.6'N, 117°35.1'W, 0–2,000 m over 3,900 m). Holotype (unique): SIO 66-31.

DISTRIBUTION: Eastern North Pacific: off central Baja California. Known only from the holotype.

***Pseudnos sargassicus* Chernova 2001**

Pseudnos sargassicus Chernova 2001:501, Figs. 12b, 13b [ref. 25345] (northern Sargasso Sea, North Atlantic, 35°30'N, 67°14'30"W, 0–1,050 m). Holotype (unique): MCZ 89997.

DISTRIBUTION: Eastern North Atlantic: Sargasso Sea. Known only from the holotype.

***Pseudnos spirohira* Chernova & Stein 2002**

Pseudnos spirohira Chernova & Stein 2002:765, Figs. 5–6 [ref. 26224] (about 570 km west of n. Spain, 41°56.2'N, 16°50.1'W, 985–1,010 m). Holotype (unique): BMNH 2001.9.7.1 (damaged).

DISTRIBUTION: Eastern North Atlantic: off Spain. Known only from the holotype.

***Pseudnos steini* Chernova 2001**

Pseudnos steini Chernova 2001:502, Fig. 13 [ref. 25345] (sw. Indian Ocean, 31°35'S, 65°08'E, 0–350 m over bottom depth of 1,428 m). Holotype (unique): USNM 200488 (disintegrated).

DISTRIBUTION: Southwestern Indian Ocean: northern part of Crozet Basin. Known only from the holotype.

***Pseudnos whitleyi* Stein, Chernova & Andriashev 2001**

Pseudnos whitleyi Stein, Chernova & Andriashev 2001:359, Fig. 19 [ref. 25901] (northwest of Kenneth Bay, Tasmania, 41°18.4'S, 144°05'E, 900–920 m). Holotype (unique): CSIRO H1335-02.

DISTRIBUTION: Southeastern Indian Ocean: Great Australian Bight off Tasmania. Known only from the holotype.

REMARKS: In the subgenus *Protosednos*.

Genus *Pseudoliparis* Andriashev 1955

Pseudoliparis Andriashev 1955:341 [ref. 121]. Subgenus of *Careproctus*. Type species *Careproctus (Pseudoliparis) amblystomopsis* Andriashev 1955. Type by original designation (also monotypic).

***Pseudoliparis amblystomopsis* (Andriashev 1955)**

Careproctus (Pseudoliparis) amblystomopsis Andriashev 1955:341, Fig. 1 [ref. 121] (Kuril–Kamchatka Trench, near Paramushir I., 49°29'N, 158°41'E, 7,210–7,230 m). Holotype (unique): ZIN 33777.

DISTRIBUTION: Western North Pacific: Kuril–Kamchatka and Japan trenches; 6,156–7,587 m.

***Pseudoliparis belyaevi* Andriashev & Pitruk 1993**

Pseudoliparis belyaevi Andriashev & Pitruk 1993:328 [37 of translation], Figs. 2b, 3b, 4–5 [ref. 21310] (Japan Trench, Vityaz sta. 3571, 38°57'N, 143°57'W, 7,565–7,587 m). Holotype: ZIN 36978.

DISTRIBUTION: Western North Pacific: Japan Trench; 6,380–7,587 m.

REMARKS: This is the deepest known living fish.

Genus *Pseudonotoliparis* Pitruk 1991

Pseudonotoliparis Pitruk 1991:717 [ref. 19148]. Type species *Pseudonotoliparis rassi* Pitruk 1991. Type by original designation (also monotypic).

***Pseudonotoliparis rassi* Pitruk 1991**

Pseudonotoliparis rassi Pitruk 1991:718 [52 of translation], Figs. 1–2 [ref. 19148] (Boussole Strait, south of Simushir I., Kuril Is., 2,200 m). Holotype: ZIN 49696.

DISTRIBUTION: Western North Pacific: Kuril Islands. Known only from the types.

Genus *Rhinoliparis* Gilbert 1896

Rhinoliparis Gilbert 1896:445 [ref. 1628]. Type species *Rhinoliparis barbulifer* Gilbert 1896. Type by original designation (also monotypic).

***Rhinoliparis attenuatus* Burke 1912**

Rhinoliparis attenuatus Burke 1912:573 [ref. 701] (Bering Sea near Unalaska I., Alaska, *Albatross* sta. 3326, 53°40'25"N, 167°41'40"W, 576 fm). Holotype (unique): MCZ 28377.

DISTRIBUTION: North Pacific: southeastern Okhotsk Sea, Kuril Islands and southeastern Kamchatka, Bering Sea, southern British Columbia to central California; 350–2,189 m.

***Rhinoliparis barbulifer* Gilbert 1896**

Rhinoliparis barbulifer Gilbert 1896:445 [ref. 1628] (Bering Sea north of Unalaska I., Alaska, *Albatross* sta. 3325, 53°37'10"N, 167°50'10"W, 284 fm). Lectotype: USNM 48576.

DISTRIBUTION: North Pacific: Okhotsk Sea, Pacific Ocean off northern Honshu and Hokkaido to Kuril Islands and southeastern Kamchatka, Commander Islands, eastern Aleutian Islands, and southern California; (28) 252–2,189 m.

REMARKS: The lectotype was established by Burke (1930:185 [ref. 702]).

Genus *Rhodichthys* Collett 1879

Rhodichthys Collett 1879:99 [ref. 885]. Type species *Rhodichthys regina* Collett 1879. Type by monotypy.

REMARKS: *Rhodichthys* has been considered a synonym of *Paraliparis* by some authors.

***Rhodichthys regina* Collett 1879**

Rhodichthys regina Collett 1879:99 [ref. 885] (midocean about equidistant from Spitsbergen, Jan Mayen, and Finnmark, 1,280 fm). Holotype (unique): ZMUO J5128.

DISTRIBUTION: Arctic Ocean: central Arctic Basin, Norwegian and Greenland seas, Baffin Bay; 1,080–2,365 m.

REMARKS: Also appeared as new in Collett (1880:154, Pl. 5 (figs. 37–39) [ref. 887]).

Genus *Squaloliparis* Pitruk & Fedorov 1993

Squaloliparis Pitruk & Fedorov 1993:602 [ref. 21899]. Type species *Careproctus dentatus* Kido 1988. Type by original designation (also monotypic).

***Squaloliparis dentatus* (Kido 1988)**

Careproctus dentatus Kido 1988:194, Fig. 34 [ref. 12287] (off Okhotsk coast of Hokkaido, Japan, 45°18'N, 142°52'E, 120–122 m). Holotype: HUMZ 77723.

DISTRIBUTION: Western North Pacific: Okhotsk Sea to southeastern Kamchatka; 120–900 m.

Genus *Temnocora* Burke 1930

Temnocora Burke 1930:146 [ref. 702]. Type species *Careproctus candidus* Gilbert & Burke 1912. Type by original designation (also monotypic).

REMARKS: *Temnocora* may be a junior synonym of *Careproctus*. An undescribed species is known to exist.

***Temnocora candida* (Gilbert & Burke 1912)**

Careproctus candidus Gilbert & Burke 1912:77, Fig. 22 [ref. 1634] (off East Cape, Attu I., Bering Sea, 135 fm). Holotype: USNM 74384.

DISTRIBUTION: North Pacific: northern Kuril Islands, southeastern Kamchatka, Aleutian Islands, Gulf of Alaska; 64–400 m.

Summary Lists

Genus-Group Names of Family Liparidae

Acantholiparis Gilbert & Burke 1912 = *Acantholiparis* Gilbert & Burke 1912

Actinochir Gill 1864 = *Liparis* Scopoli 1777

Allinectes Jordan & Evermann 1898 = *Careproctus* Krøyer 1862

Allocareproctus Pitruk & Fedorov 1993 = *Allocareproctus* Pitruk & Fedorov 1993

Allochir Jordan & Evermann 1896 = *Careproctus* Krøyer 1862

Allurus Jordan & Evermann 1896 = *Careproctus* Krøyer 1862

Amitra Goode 1881 = *Paraliparis* Collett 1879

Amitrichthys Jordan & Evermann 1896 = *Paraliparis* Collett 1879

Bathyphasma Gilbert 1896 = *Careproctus* Krøyer 1862

Careliparis Garman 1892 = *Liparis* Scopoli 1777

Caremitra Jordan & Evermann 1896 = *Careproctus* Krøyer 1862

Careproctula Andriashev 2003 = *Careproctus* Krøyer 1862

Careproctus Krøyer 1862 = *Careproctus* Krøyer 1862

Crystallias Jordan & Snyder 1902 = *Crystallias* Jordan & Snyder 1902

Crystallichthys Jordan & Gilbert 1898 = *Crystallichthys* Jordan & Gilbert 1898

Edentoliparis Andriashev 1990 = *Edentoliparis* Andriashev 1990

Eknomoliparis Stein, Meléndez C. & Kong U. 1991 = *Eknomoliparis* Stein, Meléndez C. & Kong U. 1991

Elassodiscus Gilbert & Burke 1912 = *Elassodiscus* Gilbert & Burke 1912

Enantioliparis Vaillant 1888 = *Careproctus* Krøyer 1862

Eutelichthys Tortonese 1959 = *Eutelichthys* Tortonese 1959

Genioliparis Andriashev & Neyelov 1976 = *Genioliparis* Andriashev & Neyelov 1976

Gymnolycodes Vaillant 1888 = *Paraliparis* Collett 1879

Gyrinichthys Gilbert 1896 = *Gyrinichthys* Gilbert 1896

Hilgendorfia Goode & Bean 1896 = *Paraliparis* Collett 1879

Liparis Artedi 1793 = *Liparis* Scopoli 1777

Liparis Scopoli 1777 = *Liparis* Scopoli 1777

Lipariscus Gilbert 1915 = *Lipariscus* Gilbert 1915

Lycocara Gill 1884 = *Liparis* Scopoli 1777
Lyoliparis Jordan & Evermann 1896 = *Liparis* Scopoli 1777
Massaria Gistel 1848 = *Liparis* Scopoli 1777
Merophorus Garman 1899 = *Paraliparis* Collett 1879
Monomitra Goode 1883 = *Paraliparis* Collett 1879
Nectoliparis Gilbert & Burke 1912 = *Nectoliparis* Gilbert & Burke 1912
Neoliparis Steindachner 1876 = *Liparis* Scopoli 1777
Notoliparis Andriashev 1975 = *Notoliparis* Andriashev 1975
Odontoliparis Stein 1978 = *Odontoliparis* Stein 1978
Osteodiscus Stein 1978 = *Osteodiscus* Stein 1978
Palmoliparis Balushkin 1996 = *Palmoliparis* Balushkin 1996
Paraliparis Collett 1879 = *Paraliparis* Collett 1879
Polypera Burke 1912 = *Polypera* Burke 1912
Praematoliparis Andriashev 2003 = *Praematoliparis* Andriashev 2003
Prognatholiparis Orr & Busby 2001 = *Prognatholiparis* Orr & Busby 2001
Prognurus Jordan & Gilbert 1898 = *Careproctus* Krøyer 1862
Protosednos Andriashev 2003 = *Psednos* Barnard 1927
Psednos Barnard 1927 = *Psednos* Barnard 1927
Pseudoliparis Andriashev 1955 = *Pseudoliparis* Andriashev 1955
Pseudonotoliparis Pitruk 1991 = *Pseudonotoliparis* Pitruk 1991
Rhinoliparis Gilbert 1896 = *Rhinoliparis* Gilbert 1896
Rhodichthys Collett 1879 = *Rhodichthys* Collett 1879
Squaloliparis Pitruk & Fedorov 1993 = *Squaloliparis* Pitruk & Fedorov 1993
Temnocora Burke 1930 = *Temnocora* Burke 1930
Trismegistus Jordan & Snyder 1904 = *Liparis* Scopoli 1777
Uronectes Günther 1862 = *Liparis* Scopoli 1777

Incertae Sedis Genus-Group Names

None

Unavailable Genus-Group Names

Cyclogaster Gronow 1763:55 [ref. 1910]. Suppressed. Gronow 1763 is a rejected work on the Official Index (Opinion 261). In the synonymy of *Liparis* Scopoli 1777.

Species-Group Names of Family Liparidae

abbreviatus, *Careproctus* Burke 1930 = *Careproctus abbreviatus* Burke 1930
abyssorum, *Paraliparis* Andriashev & Chernova 1997 = *Paraliparis abyssorum* Andriashev & Chernova 1997
acaecus, *Careproctus* Andriashev 1991 = *Careproctus acaecus* Andriashev 1991
acanthodes, *Careproctus* Gilbert & Burke 1912 = *Careproctus acanthodes* Gilbert & Burke 1912
aciculipunctatus, *Careproctus* Andriashev & Chernova 1997 = *Careproctus aciculipunctatus* Andriashev & Chernova 1997
acifer, *Careproctus* Andriashev & Stein 1998 = *Careproctus acifer* Andriashev & Stein 1998
aculeolatus, *Careproctus* Andriashev 1991 = *Careproctus aculeolatus* Andriashev 1991
agassizii, *Liparis* Putnam 1874 = *Liparis agassizii* Putnam 1874
albeolus, *Paraliparis* Schmidt 1950 = *Paraliparis albeolus* Schmidt 1950
albescens, *Careproctus* Barnard 1927 = *Careproctus albescens* Barnard 1927
albescens, *Paraliparis* Gilbert 1915 = *Paraliparis albescens* Gilbert 1915

- alboventer*, *Careproctus* Krasnyukova 1984 = *Liparis alboventer* (Krasnyukova 1984)
- amblystomopsis*, *Careproctus* (*Pseudoliparis*) Andriashev 1955 = *Pseudoliparis amblystomopsis* (Andriashev 1955)
- ampliceps*, *Careproctus* Andriashev & Stein 1998 = *Careproctus ampliceps* Andriashev & Stein 1998
- anarthractae*, *Paraliparis* Stein & Tompkins 1989 = *Praematoliparis anarthractae* (Stein & Tompkins 1989)
- andriashevi*, *Osteodiscus* Pitruk & Fedorov 1990 = *Osteodiscus andriashevi* Pitruk & Fedorov 1990
- andriashevi*, *Paraliparis* Stein & Tompkins 1989 = *Paraliparis andriashevi* Stein & Tompkins 1989
- andriashevi*, *Psednos* Chernova 2001 = *Psednos andriashevi* Chernova 2001
- angustifrons*, *Paraliparis* Garman 1899 = *Paraliparis angustifrons* Garman 1899
- annulatus*, *Liparis montagui* Collett 1879 = *Liparis montagui* (Donovan 1804)
- anoderkes*, *Psednos* Chernova & Stein 2002 = *Psednos anoderkes* Chernova & Stein 2002
- antarctica*, *Liparis* Putnam 1874 = *Liparis antarcticus* Putnam 1874
- antarcticus*, *Paraliparis* Regan 1914 = *Paraliparis antarcticus* Regan 1914
- anthracinus*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis anthracinus* Stein, Chernova & Andriashev 2001
- arctica*, *Liparis* Gill 1864 = *Liparis tunicatus* Reinhardt 1836
- armatus*, *Careproctus* Andriashev 1991 = *Careproctus armatus* Andriashev 1991
- aspersus*, *Paraliparis* Andriashev 1992 = *Paraliparis aspersus* Andriashev 1992
- assimilis*, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)
- atakamensis*, *Careproctus* Andriashev 1998 = *Careproctus atakamensis* Andriashev 1998
- ater*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis ater* Stein, Chernova & Andriashev 2001
- atlanticus*, *Neoliparis* Jordan & Evermann 1898 = *Liparis atlanticus* (Jordan & Evermann 1898)
- atramentatus*, *Paraliparis* Gilbert & Burke 1912 = *Paraliparis atramentatus* Gilbert & Burke 1912
- atrans*, *Careproctus* Andriashev 1991 = *Careproctus atrans* Andriashev 1991
- atrolabiatus*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis atrolabiatus* Stein, Chernova & Andriashev 2001
- attenuatus*, *Careproctus* Gilbert & Burke 1912 = *Careproctus attenuatus* Gilbert & Burke 1912
- attenuatus*, *Paraliparis* Garman 1899 = *Paraliparis attenuatus* Garman 1899
- attenuatus*, *Rhinoliparis* Burke 1912 = *Rhinoliparis attenuatus* Burke 1912
- aureomarginatus*, *Careproctus* Andriashev 1991 = *Careproctus aureomarginatus* Andriashev 1991
- auriculatus*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis auriculatus* Stein, Chernova & Andriashev 2001
- australiensis*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis australiensis* Stein, Chernova & Andriashev 2001
- australis*, *Paraliparis* Gilchrist 1902 = *Paraliparis australis* Gilchrist 1902
- avellaneus*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis avellaneus* Stein, Chernova & Andriashev 2001
- badius*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis badius* Stein, Chernova & Andriashev 2001
- balgueriasi*, *Paraliparis* Matallanas 1999 = *Paraliparis balgueriasi* Matallanas 1999
- balushkini*, *Psednos* Stein, Chernova & Andriashev 2001 = *Psednos balushkini* Stein, Chernova & Andriashev 2001
- barbatus*, *Liparis* Ekström 1832 = *Liparis liparis barbatus* Ekström 1832
- barbulifer*, *Rhinoliparis* Gilbert 1896 = *Rhinoliparis barbulifer* Gilbert 1896
- barnardi*, *Psednos* Chernova 2001 = *Psednos barnardi* Chernova 2001
- bathyarcticus*, *Liparis liparis* Parr 1931 = *Liparis gibbus* Bean 1881

- bathybii*, *Liparis* (*Paraliparis*) Collett 1879 = *Paraliparis bathybius* (Collett 1879)
bathycoetus, *Careproctus* Gilbert & Burke 1912 = *Careproctus bathycoetus* Gilbert & Burke 1912
batialis, *Careproctus* Popov 1933 = *Careproctus batialis* Popov 1933
beckeri, *Palmoliparis* Balushkin 1996 = *Palmoliparis beckeri* Balushkin 1996
belyaevi, *Pseudoliparis* Andriashev & Pitruk 1993 = *Pseudoliparis belyaevi* Andriashev & Pitruk 1993
beringianus, *Cyclogaster* (*Neoliparis*) Gilbert & Burke 1912 = *Polypera greeni* (Jordan & Starks 1895)
bikunin, *Liparis* Matsubara & Iwai 1954 = *Liparis bikunin* Matsubara & Iwai 1954
bipolaris, *Paraliparis* Andriashev 1997 = *Paraliparis bipolaris* Andriashev 1997
bowersianus, *Careproctus* Gilbert & Burke 1912 = *Careproctus bowersianus* Gilbert & Burke 1912
brashnikovii, *Liparis* Soldatov 1930 = *Liparis brashnikovii* Soldatov 1930
brevicaudus, *Liparis* Mori 1956 = *Liparis tessellatus* (Gilbert & Burke 1912)
bristolense, *Cyclogaster* Burke 1912 = *Liparis bristolensis* (Burke 1912)
brunneocaudatus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis brunneocaudatus* Stein, Chernova & Andriashev 2001
brunneus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis brunneus* Stein, Chernova & Andriashev 2001
burkei, *Careproctus* Jordan & Thompson 1914 = *Liparis burkei* (Jordan & Thompson 1914)
cactiformis, *Careproctus* Andriashev 1990 = *Careproctus cactiformis* Andriashev 1990
caecus, *Acantholiparis* Grinols 1969 = *Acantholiparis caecus* Grinols 1969
calidus, *Paraliparis* Cohen 1968 = *Paraliparis calidus* Cohen 1968
callyodon, *Cyclopterus* Pallas 1814 = *Liparis callyodon* (Pallas 1814)
cameliae, *Careproctus* Nalbant 1965 = *Crystallichthys cameliae* (Nalbant 1965)
candidus, *Careproctus* Gilbert & Burke 1912 = *Temnocora candida* (Gilbert & Burke 1912)
canus, *Careproctus* Kido 1985 = *Careproctus canus* Kido 1985
cascadiae, *Osteodiscus* Stein 1978 = *Osteodiscus cascadiae* Stein 1978
catharus, *Liparis* Vogt 1973 = *Liparis catharus* Vogt 1973
catherinae, *Careproctus* Andriashev & Stein 1998 = *Careproctus catherinae* Andriashev & Stein 1998
cathetostomus, *Pseudon* Chernova & Stein 2002 = *Pseudon cathetostomus* Chernova & Stein 2002
caudatus, *Paraliparis* Gilbert 1915 = *Elassodiscus caudatus* (Gilbert 1915)
cephalus, *Paraliparis* Gilbert 1892 = *Paraliparis cephalus* Gilbert 1892
cerasinus, *Paraliparis* Andriashev 1986 = *Paraliparis cerasinus* Andriashev 1986
challengeri, *Paraliparis* Andriashev 1993 = *Paraliparis challengeri* Andriashev 1993
charcoti, *Paraliparis* Duhamel 1992 = *Paraliparis charcoti* Duhamel 1992
chefuensis, *Liparis* Wu & Wang 1933 = *Liparis chefuensis* Wu & Wang 1933
chirichignoae, *Eknomoliparis* Stein, Meléndez C. & Kong U. 1991 = *Eknomoliparis chirichignoae* Stein, Meléndez C. & Kong U. 1991
choanus, *Liparis* Wu & Wang 1933 = *Liparis chefuensis* Wu & Wang 1933
christinae, *Pseudon* Andriashev 1992 = *Pseudon christinae* Andriashev 1992
coheni, *Liparis* Able 1976 = *Liparis coheni* Able 1976
colletti, *Careproctus* Gilbert 1896 = *Careproctus colletti* Gilbert 1896
continentalis, *Careproctus* Andriashev & Prirodina 1990 = *Careproctus continentalis* Andriashev & Prirodina 1990
copei, *Paraliparis* Goode & Bean 1896 = *Paraliparis copei copei* Goode & Bean 1896
coracinus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis coracinus* Stein, Chernova & Andriashev 2001
costatus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis costatus* Stein, Chernova & Andriashev 2001

- crassus*, *Careproctus* de Buen 1961 = *Careproctus pallidus* (Vaillant 1888)
credispinulosus, *Careproctus* Andriashev & Prirodina 1990 = *Careproctus credispinulosus* Andriashev & Prirodina 1990
cryptacanthoides, *Careproctus* Krasnyukova 1984 = *Careproctus cryptacanthoides* Krasnyukova 1984
csiroi, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis csiroi* Stein, Chernova & Andriashev 2001
curilanus, *Careproctus* Gilbert & Burke 1912 = *Careproctus curilanus* Gilbert & Burke 1912
curilensis, *Cyclogaster* (*Neoliparis*) Gilbert & Burke 1912 = *Liparis curilensis* (Gilbert & Burke 1912)
cyclocephalus, *Careproctus* Kido 1983 = *Careproctus cyclocephalus* Kido 1983
cyclopus, *Liparis* Günther 1861 = *Liparis cyclopus* Günther 1861
cyclospilus, *Crystallichthys* Gilbert & Burke 1912 = *Crystallichthys cyclospilus* Gilbert & Burke 1912
cyclostigma, *Liparis* Gilbert 1896 = *Liparis gibbus* Bean 1881
cypseluroides, *Careproctus* Schmidt 1950 = *Careproctus cypseluroides* Schmidt 1950
cypselurus, *Prognurus* Jordan & Gilbert 1898 = *Careproctus cypselurus* (Jordan & Gilbert 1898)
dactyloides, *Paraliparis* Schmidt 1950 = *Paraliparis dactyloides* Schmidt 1950
dactylosus, *Paraliparis* Gilbert 1896 = *Paraliparis dactylosus* Gilbert 1896
darwini, *Paraliparis* Stein & Chernova 2002 = *Paraliparis darwini* Stein & Chernova 2002
deani, *Paraliparis* Burke 1912 = *Paraliparis deani* Burke 1912
debueni, *Paraliparis* Andriashev 1986 = *Paraliparis debueni* Andriashev 1986
decorus, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)
delawarei, *Pseudnos* Chernova & Stein 2002 = *Pseudnos delawarei* Chernova & Stein 2002
delphis, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis delphis* Stein, Chernova & Andriashev 2001
dennyi, *Liparis* Jordan & Starks 1895 = *Liparis dennyi* Jordan & Starks 1895
dentatus, *Careproctus* Kido 1988 = *Squaloliparis dentatus* (Kido 1988)
dentatus, *Pseudnos* Chernova & Stein 2002 = *Pseudnos dentatus* Chernova & Stein 2002
devriesi, *Paraliparis* Andriashev 1980 = *Paraliparis devriesi* Andriashev 1980
dewitti, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis dewitti* Stein, Chernova & Andriashev 2001
diploprora, *Paraliparis* Andriashev 1986 = *Paraliparis diploprora* Andriashev 1986
dipterus, *Paraliparis* Kido 1988 = *Paraliparis dipterus* Kido 1988
dubius, *Careproctus* Zugmayer 1911 = *Careproctus dubius* Zugmayer 1911
dubius, *Liparis* Soldatov 1930 = *Liparis dubius* Soldatov 1930
duhameli, *Paraliparis* Andriashev 1994 = *Paraliparis duhameli* Andriashev 1994
dulkeiti, *Liparis* Soldatov 1930 = *Liparis dulkeiti* Soldatov 1930
eastmani, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis eastmani* Stein, Chernova & Andriashev 2001
ectenes, *Careproctus* Gilbert 1896 = *Careproctus ectenes* Gilbert 1896
edentatus, *Paraliparis* Andriashev 1986 = *Edentoliparis terraenovae* (Regan 1916)
edwardsi, *Gymnolycodes* Vaillant 1888 = *Paraliparis edwardsi* (Vaillant 1888)
ekstromii, *Liparis* Malm 1865 = *Liparis montagui* (Donovan 1804)
eltaninae, *Careproctus* Andriashev & Stein 1998 = *Careproctus eltaninae* Andriashev & Stein 1998
eltanini, *Paraliparis* Stein & Tompkins 1989 = *Paraliparis eltanini* Stein & Tompkins 1989
entargyreus, *Careproctus* Gilbert & Burke 1912 = *Careproctus entargyreus* Gilbert & Burke 1912
entochloris, *Paraliparis* Gilbert & Burke 1912 = *Paraliparis entochloris* Gilbert & Burke 1912
entomelas, *Careproctus* Gilbert & Burke 1912 = *Careproctus entomelas* Gilbert & Burke 1912
eos, *Liparis* Krasnyukova 1984 = *Liparis eos* Krasnyukova 1984

- fabricii*, *Liparis* Krøyer 1847 = *Liparis fabricii* Krøyer 1847
falklandica, *Liparis antarctica* Lönnberg 1905 = *Careproctus falklandicus* (Lönnberg 1905)
fedorovi, *Careproctus* Andriashev & Stein 1998 = *Careproctus fedorovi* Andriashev & Stein 1998
ferox, *Odontoliparis* Stein 1978 = *Odontoliparis ferox* Stein 1978
filamentosus, *Careproctus* Stein 1978 = *Careproctus filamentosus* Stein 1978
fimbriatus, *Paraliparis* Garman 1892 = *Paraliparis fimbriatus* Garman 1892
fishelsoni, *Liparis* Smith 1967 = *Liparis fishelsoni* Smith 1967
fissuratus, *Neoliparis* Starks 1896 = *Liparis fucensis* Gilbert 1896
florae, *Neoliparis* Jordan & Starks 1895 = *Liparis florae* (Jordan & Starks 1895)
franzi, *Liparis* Abe 1950 = *Liparis punctulatus* (Tanaka 1916)
frenatus, *Cyclogaster* Gilbert & Burke 1912 = *Liparis frenatus* (Gilbert & Burke 1912)
fucensis, *Liparis* Gilbert 1896 = *Liparis fucensis* Gilbert 1896
furcatus, *Careproctus* Mori 1956 = *Careproctus furcatus* Mori 1956
furcellus, *Careproctus* Gilbert & Burke 1912 = *Careproctus furcellus* Gilbert & Burke 1912
fuscolingua, *Paraliparis* Stein & Tompkins 1989 = *Paraliparis fuscolingua* Stein & Tompkins 1989
fuscus, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)
galapagosensis, *Paraliparis* Stein & Chernova 2002 = *Paraliparis galapagosensis* Stein & Chernova 2002
garmani, *Paraliparis* Burke 1912 = *Paraliparis garmani* Burke 1912
gelatinosus, *Psednos* Chernova 2001 = *Psednos gelatinosus* Chernova 2001
georgianus, *Careproctus* Lönnberg 1905 = *Careproctus georgianus* Lönnberg 1905
gibbericeps, *Paraliparis copei* Andriashev 1982 = *Paraliparis copei gibbericeps* Andriashev 2003
gibbus, *Liparis* Bean 1881 = *Liparis gibbus* Bean 1881
gilberti, *Careproctus* Burke 1912 = *Careproctus gilberti* Burke 1912
gilberti, *Careproctus* Jordan & Thompson 1914 = *Allocareproctus jordani* (Burke 1930)
gobius, *Cyclopterus* Nilsson 1832 = *Liparis montagui* (Donovan 1804)
gomoni, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis gomoni* Stein, Chernova & Andriashev 2001
gracilis, *Paraliparis* Norman 1930 = *Paraliparis gracilis* Norman 1930
grandiceps, *Paraliparis* Garman 1899 = *Paraliparis rosaceus* Gilbert 1890
grandis, *Paraliparis* Schmidt 1950 = *Paraliparis grandis* Schmidt 1950
grebnitzkii, *Neoliparis* Schmidt 1904 = *Liparis grebnitzkii* (Schmidt 1904)
greeni, *Neoliparis* Jordan & Starks 1895 = *Polypera greeni* (Jordan & Starks 1895)
griselda, *Careproctus* Lloris 1982 = *Careproctus albescens* Barnard 1927
griseus, *Psednos* Chernova & Stein 2002 = *Psednos griseus* Chernova & Stein 2002
groenlandicus, *Psednos* Chernova 2001 = *Psednos groenlandicus* Chernova 2001
guillemi, *Careproctus* Matallanas 1998 = *Careproctus guillemi* Matallanas 1998
harteli, *Psednos* Chernova 2001 = *Psednos harteli* Chernova 2001
herschelinus, *Liparis* Scofield 1898 = *Liparis tunicatus* Reinhardt 1836
herwigi, *Careproctus* Andriashev 1991 = *Careproctus herwigi* Andriashev 1991
hobarti, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis hobarti* Stein, Chernova & Andriashev 2001
holomelas, *Paraliparis* Gilbert 1896 = *Paraliparis holomelas* Gilbert 1896
homopterus, *Careproctus* Gilbert & Burke 1912 = *Careproctus homopterus* Gilbert & Burke 1912
hubbsi, *Paraliparis* Andriashev 1986 = *Paraliparis hubbsi* Andriashev 1986
hureaui, *Paraliparis* Matallanas 1999 = *Paraliparis hureaui* Matallanas 1999

- hyaleius*, *Careproctus* Geistdoerfer 1994 = *Careproctus hyaleius* Geistdoerfer 1994
hystrix, *Paraliparis* Merrett 1983 = *Paraliparis hystrix* Merrett 1983
impariporus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis impariporus* Stein, Chernova & Andriashev 2001
improvisus, *Careproctus* Andriashev & Stein 1998 = *Careproctus improvisus* Andriashev & Stein 1998
incognita, *Paraliparis* Stein & Tompkins 1989 = *Paraliparis incognita* Stein & Tompkins 1989
infeliciter, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis infeliciter* Stein, Chernova & Andriashev 2001
inflexidens, *Careproctus* Andriashev & Stein 1998 = *Careproctus inflexidens* Andriashev & Stein 1998
ingens, *Cyclogaster* Gilbert & Burke 1912 = *Liparis ochotensis* Schmidt 1904
inquilinus, *Liparis* Able 1973 = *Liparis inquilinus* Able 1973
islandicus, *Psednos* Chernova & Stein 2002 = *Psednos islandicus* Chernova & Stein 2002
jordani, *Careproctus* Burke 1930 = *Allocareproctus jordani* (Burke 1930)
kamoae, *Crystallias* Oshima 1957 = *Crystallias matsushimae* Jordan & Snyder 1902
kerguelensis, *Paraliparis copei* Andriashev 1982 = *Paraliparis copei kerguelensis* Andriashev 1982
kermadecensis, *Careproctus* Nielsen 1964 = *Notoliparis kermadecensis* (Nielsen 1964)
koefoedi, *Liparis* Parr 1931 = *Liparis koefoedi* Parr 1931
krefftii, *Paraliparis* Andriashev 1986 = *Paraliparis krefftii* Andriashev 1986
kurchatovi, *Notoliparis* Andriashev 1975 = *Notoliparis kurchatovi* Andriashev 1975
kusnetzovi, *Liparis* (*Neoliparis*) Taranetz 1935 = *Liparis kusnetzovi* Taranetz 1935
kussakini, *Liparis rutteri* Pinchuk 1976 = *Liparis kussakini* Pinchuk 1976
labiatus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis labiatus* Stein, Chernova & Andriashev 2001
lacmi, *Careproctus* Andriashev & Stein 1998 = *Careproctus lacmi* Andriashev & Stein 1998
laptevi, *Liparis* Popov 1933 = *Liparis laptevi* Popov 1933
lasti, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis lasti* Stein, Chernova & Andriashev 2001
latifrons, *Liparis* Schmidt 1950 = *Liparis latifrons* Schmidt 1950
latifrons, *Paraliparis* Garman 1899 = *Paraliparis latifrons* Garman 1899
leobergi, *Paraliparis* Andriashev 1982 = *Paraliparis leobergi* Andriashev 1982
leprosa, *Liparis fabricii* Lütken 1886 = *Liparis fabricii* Krøyer 1847
leptochirus, *Eutelichthys* Tortonese 1959 = *Eutelichthys leptochirus* Tortonese 1959
leptorhinus, *Careproctus* Andriashev & Stein 1998 = *Careproctus leptorhinus* Andriashev & Stein 1998
leucogaster, *Paraliparis* Andriashev 1986 = *Paraliparis leucogaster* Andriashev 1986
leucoglossus, *Paraliparis* Andriashev 1986 = *Paraliparis leucoglossus* Andriashev 1986
lindbergi, *Genioliparis* Andriashev & Neyelov 1976 = *Genioliparis lindbergi* Andriashev & Neyelov 1976
lindbergi, *Liparis* Krasnyukova 1984 = *Liparis lindbergi* Krasnyukova 1984
lineatus, *Cyclopterus* Lepechin 1774 = *Liparis liparis* (Linnaeus 1766)
lineatus, *Liparis* Krøyer 1847 = *Liparis liparis* (Linnaeus 1766)
liparina, *Amitra* Goode 1881 = *Paraliparis liparinus* (Goode 1881)
liparis, *Cyclopterus* Linnaeus 1766 = *Liparis liparis liparis* (Linnaeus 1766)
liparoides, *Cyclopterus* Nilsson 1832 = *Liparis liparis* (Linnaeus 1766)
longifilis, *Careproctus* Garman 1892 = *Careproctus longifilis* Garman 1892
longipectoralis, *Careproctus* Duhamel 1992 = *Careproctus longipectoralis* Duhamel 1992
longipinnis, *Careproctus* Burke 1912 = *Careproctus longipinnis* Burke 1912
macquariensis, *Notoliparis* Andriashev 1978 = *Notoliparis macquariensis* Andriashev 1978

- macranchus*, *Careproctus* Andriashev 1991 = *Careproctus macranchus* Andriashev 1991
- macrocephalus*, *Paraliparis* Chernova & Eastman 2001 = *Paraliparis macrocephalus* Chernova & Eastman 2001
- macrodiscus*, *Careproctus* Schmidt 1950 = *Careproctus macrodiscus* Schmidt 1950
- maculatus*, *Liparis* Ding 1987 = *Liparis zonatus* Chernova, Stein & Andriashev 2004
- maculatus*, *Liparis* Krasnyukova 1984 = *Liparis maculatus* Krasnyukova 1984
- maculatus*, *Liparis* Malm 1865 = *Liparis montagui* (Donovan 1804)
- magellanicus*, *Careproctus* Matallanas & Pequeño 2000 = *Careproctus magellanicus* Matallanas & Pequeño 2000
- mandibularis*, *Paraliparis* Kido 1985 = *Paraliparis mandibularis* Kido 1985
- marginatus*, *Careproctus* Kido 1988 = *Careproctus marginatus* Kido 1988
- marmoratus*, *Liparis* Schmidt 1950 = *Liparis marmoratus* Schmidt 1950
- matsushimae*, *Crystallias* Jordan & Snyder 1902 = *Crystallias matsushimae* Jordan & Snyder 1902
- mawsoni*, *Paraliparis* Andriashev 1986 = *Paraliparis mawsoni* Andriashev 1986
- mederi*, *Careproctus* Schmidt 1916 = *Careproctus mederi* Schmidt 1916
- mednius*, *Neoliparis* Soldatov 1930 = *Liparis mednius* (Soldatov 1930)
- megacephalus*, *Cyclogaster* Burke 1912 = *Liparis megacephalus* (Burke 1912)
- megalopus*, *Paraliparis* Stein 1978 = *Paraliparis megalopus* Stein 1978
- meganchus*, *Paraliparis* Andriashev 1982 = *Paraliparis meganchus* Andriashev 1982
- melanobranchus*, *Paraliparis* Gilbert & Burke 1912 = *Paraliparis melanobranchus* Gilbert & Burke 1912
- melanocephalus*, *Psednos* Chernova & Stein 2002 = *Psednos melanocephalus* Chernova & Stein 2002
- melanuroides*, *Careproctus* Schmidt 1950 = *Careproctus melanuroides* Schmidt 1950
- melanurus*, *Careproctus* Gilbert 1892 = *Careproctus melanurus* Gilbert 1892
- membranaceus*, *Paraliparis* Günther 1887 = *Paraliparis membranaceus* Günther 1887
- mento*, *Paraliparis* Gilbert 1892 = *Paraliparis mento* Gilbert 1892
- meridionalis*, *Liparis latifrons* Schmidt 1950 = *Liparis latifrons* Schmidt 1950
- meridionalis*, *Paraliparis* Kido 1985 = *Paraliparis meridionalis* Kido 1985
- merodontus*, *Paraliparis* Stein, Meléndez C. & Kong U. 1991 = *Paraliparis merodontus* Stein, Meléndez C. & Kong U. 1991
- meteorensis*, *Paraliparis thalassobathyalis* Andriashev 2003 = *Paraliparis thalassobathyalis meteorensis* Andriashev 1982
- merretti*, *Careproctus* Andriashev & Chernova 1988 = *Careproctus merretti* Andriashev & Chernova 1988
- mexicanus*, *Psednos* Chernova & Stein 2002 = *Psednos mexicanus* Chernova & Stein 2002
- micraspidophorus*, *Cyclogaster* (*Neoliparis*) Gilbert & Burke 1912 = *Liparis micraspidophorus* (Gilbert & Burke 1912)
- microps*, *Psednos* Chernova 2001 = *Psednos microps* Chernova 2001
- micropus*, *Liparis* Günther 1887 = *Careproctus micropus* (Günther 1887)
- microstomus*, *Careproctus* Stein 1978 = *Careproctus microstomus* Stein 1978
- micruroides*, *Psednos* Chernova 2001 = *Psednos micruroides* Chernova 2001
- micrurus*, *Psednos* Barnard 1927 = *Psednos micrurus* Barnard 1927
- minimus*, *Careproctus* Andriashev & Stein 1998 = *Careproctus minimus* Andriashev & Stein 1998
- minytremus*, *Gyrinichthys* Gilbert 1896 = *Gyrinichthys minytremus* Gilbert 1896
- miostomus*, *Liparis* Matsubara & Iwai 1954 = *Liparis miostomus* Matsubara & Iwai 1954
- mirabilis*, *Crystallichthys* Jordan & Gilbert 1898 = *Crystallichthys mirabilis* Jordan & Gilbert 1898
- mirabilis*, *Psednos* Chernova 2001 = *Psednos mirabilis* Chernova 2001
- mixtus*, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)

- molinae*, *Paraliparis* Stein, Meléndez C. & Kong U. 1991 = *Paraliparis molinae* Stein, Meléndez C. & Kong U. 1991
- mollis*, *Careproctus* Gilbert & Burke 1912 = *Careproctus mollis* Gilbert & Burke 1912
- monoporus*, *Paraliparis* Andriashev & Neyelov 1979 = *Paraliparis monoporus* Andriashev & Neyelov 1979
- montagui*, *Cyclopterus* Donovan 1804 = *Liparis montagui* (Donovan 1804)
- mucosus*, *Liparis* Ayres 1855 = *Liparis mucosus* Ayres 1855
- multiradiatus*, *Liparis* Matsubara & Iwai 1954 = *Liparis ochotensis* Schmidt 1904
- multistriata*, *Liparis lineatus* Lütken 1862 = *Liparis liparis* (Linnaeus 1766)
- murieli*, *Paraliparis* Matallanas 1984 = *Paraliparis murieli* Matallanas 1984
- nanus*, *Lipariscus* Gilbert 1915 = *Lipariscus nanus* Gilbert 1915
- nassarum*, *Paraliparis* Stein & Fitch 1984 = *Paraliparis nassarum* Stein & Fitch 1984
- nataliae*, *Pseudnos* Stein & Andriashev in Stein, Chernova & Andriashev 2001 = *Pseudnos nataliae* Stein & Andriashev 2001
- neelovi*, *Paraliparis* Andriashev 1982 = *Paraliparis neelovi* Andriashev 1982
- newmani*, *Liparis* Cohen 1960 = *Liparis newmani* Cohen 1960
- niger*, *Liparis* Soldatov & Lindberg 1930 = *Liparis niger* Soldatov & Lindberg 1930
- nigricans*, *Careproctus* Schmidt 1950 = *Careproctus nigricans* Schmidt 1950
- novaezealandiae*, *Careproctus* Andriashev 1990 = *Careproctus novaezealandiae* Andriashev 1990
- obliquosus*, *Paraliparis* Chernova & Duhamel 2003 = *Paraliparis obliquosus* Chernova & Duhamel 2003
- obscurus*, *Elassodiscus* Pitruk & Fedorov 1993 = *Elassodiscus obscurus* Pitruk & Fedorov 1993
- obscurus*, *Liparis montagui* Collett 1879 = *Liparis montagui* (Donovan 1804)
- obtusirostris*, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis obtusirostris* Stein, Chernova & Andriashev 2001
- ochotensis*, *Liparis* Schmidt 1904 = *Liparis ochotensis* Schmidt 1904
- okadae*, *Careproctus* Tanaka 1916 = *Liparis punctulatus* (Tanaka 1916)
- opercularis*, *Acantholiparis* Gilbert & Burke 1912 = *Acantholiparis opercularis* Gilbert & Burke 1912
- operculosus*, *Paraliparis* Andriashev 1979 = *Paraliparis operculosus* Andriashev 1979
- opisthotremus*, *Careproctus* Gilbert & Burke 1912 = *Careproctus opisthotremus* Gilbert & Burke 1912
- orcadensis*, *Paraliparis* Matallanas & Pequeño 2000 = *Paraliparis orcadensis* Matallanas & Pequeño 2000
- oregonensis*, *Careproctus* Stein 1978 = *Careproctus oregonensis* Stein 1978
- osborni*, *Liparis* Townsend & Nichols 1925 = *Careproctus gilberti* Burke 1912
- ostentum*, *Careproctus* Gilbert 1896 = *Careproctus ostentum* Gilbert 1896
- ovigerum*, *Bathyphasma* Gilbert 1896 = *Careproctus ovigerus* (Gilbert 1896)
- owstoni*, *Trismegistus* Jordan & Snyder 1904 = *Liparis owstoni* (Jordan & Snyder 1904)
- pallidus*, *Enantioliparis* Vaillant 1888 = *Careproctus pallidus* (Vaillant 1888)
- pallidus*, *Pseudnos* Chernova & Stein 2002 = *Pseudnos pallidus* Chernova & Stein 2002
- parini*, *Careproctus* Andriashev & Prirodina 1990 = *Careproctus parini* Andriashev & Prirodina 1990
- parvidiscus*, *Careproctus* Imamura & Nobetsu 2002 = *Careproctus parvidiscus* Imamura & Nobetsu 2002
- parviporatus*, *Careproctus* Andriashev & Stein 1998 = *Careproctus parviporatus* Andriashev & Stein 1998
- patagonicus*, *Careproctus* Matallanas & Pequeño 2000 = *Careproctus patagonicus* Matallanas & Pequeño 2000
- paucidens*, *Paraliparis* Stein 1978 = *Paraliparis paucidens* Stein 1978
- paxtoni*, *Careproctus* Stein, Chernova & Andriashev 2001 = *Careproctus paxtoni* Stein, Chernova & Andriashev 2001
- pectoralis*, *Paraliparis* Stein 1978 = *Paraliparis pectoralis* Stein 1978
- pelagicus*, *Nectoliparis* Gilbert & Burke 1912 = *Nectoliparis pelagicus* Gilbert & Burke 1912
- pellucidus*, *Careproctus* Gilbert & Burke 1912 = *Careproctus pellucidus* Gilbert & Burke 1912

- petschiliensis*, *Cyclogaster* Rendahl 1926 = *Liparis petschiliensis* (Rendahl 1926)
phasma, *Careproctus* Gilbert 1896 = *Careproctus phasma* Gilbert 1896
piceus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis piceus* Stein, Chernova & Andriashev 2001
pictus, *Liparis montagui* Collett 1879 = *Liparis montagui* (Donovan 1804)
plagiostomus, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis plagiostomus* Stein, Chernova & Andriashev 2001
polarsterni, *Careproctus* Duhamel 1992 = *Careproctus polarsterni* Duhamel 1992
pravdini, *Liparis* Schmidt 1951 = *Liparis pravdini* Schmidt 1951
principalis, *Liparis montagui* Collett 1879 = *Liparis montagui* (Donovan 1804)
profundicola, *Careproctus* Duhamel 1992 = *Careproctus profundicola* Duhamel 1992
pseudoprofundicola, *Careproctus* Andriashev & Stein 1998 = *Careproctus pseudoprofundicola* Andriashev & Stein 1998
ptychomandibularis, *Prognatholiparis* Orr & Busby 2001 = *Prognatholiparis ptychomandibularis* Orr & Busby 2001
pulchellus, *Liparis* Ayres 1855 = *Liparis pulchellus* Ayres 1855
punctatus, *Liparis* Schmidt 1950 = *Liparis punctatus* Schmidt 1950
punctulatus, *Careproctus* Tanaka 1916 = *Liparis punctulatus* (Tanaka 1916)
puniceus, *Careproctus* Mori 1955 = *Careproctus colletti* Gilbert 1896
pycnosoma, *Careproctus* Gilbert & Burke 1912 = *Careproctus pycnosoma* Gilbert & Burke 1912
quasimodo, *Liparis* Krasnyukova 1984 = *Liparis quasimodo* Krasnyukova 1984
ranula, *Liparis* Goode & Bean 1879 = *Careproctus ranula* (Goode & Bean 1879)
rassi, *Pseudonotoliparis* Pitruk 1991 = *Pseudonotoliparis rassi* Pitruk 1991
rastrinoides, *Careproctus* Schmidt 1950 = *Careproctus rastrinoides* Schmidt 1950
rastrinus, *Careproctus* Gilbert & Burke 1912 = *Careproctus rastrinus* Gilbert & Burke 1912
regina, *Rhodichthys* Collett 1879 = *Rhodichthys regina* Collett 1879
reinhardi, *Liparis* Krøyer 1862 = *Careproctus reinhardi* (Krøyer 1862)
retrodorsalis, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis retrodorsalis* Stein, Chernova & Andriashev 2001
rhodomelas, *Careproctus* Gilbert & Burke 1912 = *Careproctus rhodomelas* Gilbert & Burke 1912
rhodosoma, *Liparis* Burke 1930 = *Liparis rhodosoma* Burke 1930
rimiventris, *Careproctus* Andriashev & Stein 1998 = *Careproctus rimiventris* Andriashev & Stein 1998
rosaceus, *Paraliparis* Gilbert 1890 = *Paraliparis rosaceus* Gilbert 1890
roseofuscus, *Careproctus* Gilbert & Burke 1912 = *Careproctus roseofuscus* Gilbert & Burke 1912
rossi, *Paraliparis* Chernova & Eastman 2001 = *Paraliparis rossi* Chernova & Eastman 2001
rotundirostris, *Liparis* Krasnyukova 1984 = *Liparis rotundirostris* Krasnyukova 1984
rufescens, *Liparis* Burke 1930 = *Liparis gibbus* Bean 1881
rutilus, *Liparis punctulatus* Abe 1955 = *Liparis punctulatus* (Tanaka 1916)
rutteri, *Neoliparis* Gilbert & Snyder 1898 = *Liparis rutteri* (Gilbert & Snyder 1898)
sandwichensis, *Careproctus* Andriashev & Stein 1998 = *Careproctus sandwichensis* Andriashev & Stein 1998
sarasa, *Careproctus* Tanaka 1916 = *Careproctus sarasa* Tanaka 1916
sargassicus, *Pseudnos* Chernova 2001 = *Pseudnos sargassicus* Chernova 2001
scaphopterus, *Careproctus* Andriashev & Stein 1998 = *Careproctus scaphopterus* Andriashev & Stein 1998
schantarensis, *Neoliparis* Lindberg & Dulkeit 1929 = *Liparis schantarensis* (Lindberg & Dulkeit 1929)
schmidtii, *Liparis* Lindberg & Krasnyukova 1987 = *Liparis schmidtii* Lindberg & Krasnyukova 1987
scorpioides, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)

scottae, *Careproctus* Chapman & de Lacy 1934 = *Careproctus scottae* Chapman & de Lacy 1934
scriptus, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)
segaliensis, *Careproctus* Gilbert & Burke 1912 = *Careproctus segaliensis* Gilbert & Burke 1912
seraphimae, *Careproctus* Schmidt 1950 = *Careproctus seraphimae* Schmidt 1950
simus, *Careproctus* Gilbert 1896 = *Careproctus simus* Gilbert 1896
simushirae, *Cyclogaster* (*Neoliparis*) Gilbert & Burke 1912 = *Polypera simushirae* (Gilbert & Burke 1912)
sinensis, *Careproctus* Gilbert & Burke 1912 = *Careproctus sinensis* Gilbert & Burke 1912
smirnovi, *Careproctus* Andriashev 1991 = *Careproctus smirnovi* Andriashev 1991
solidus, *Careproctus* Chernova 1999 = *Careproctus solidus* Chernova 1999
somovi, *Paraliparis* Andriashev & Neyelov 1979 = *Paraliparis somovi* Andriashev & Neyelov 1979
spectrum, *Careproctus* Bean 1890 = *Careproctus spectrum* Bean 1890
spirohira, *Psednos* Chernova & Stein 2002 = *Psednos spirohira* Chernova & Stein 2002
stehmanni, *Paraliparis* Andriashev 1986 = *Paraliparis stehmanni* Andriashev 1986
steineni, *Liparis* Fischer 1885 = *Liparis tunicatus* Reinhardt 1836
steini, *Careproctus* Andriashev & Prirodina 1990 = *Careproctus steini* Andriashev & Prirodina 1990
steini, *Psednos* Chernova 2001 = *Psednos steini* Chernova 2001
stellatus, *Liparis* Malm 1865 = *Liparis liparis* (Linnaeus 1766)
striatus, *Liparis montagui* Collett 1879 = *Liparis montagui* (Donovan 1804)
subfuscus, *Liparis lineatus* Collett 1879 = *Liparis liparis* (Linnaeus 1766)
takashimensis, *Liparis* Nojima 1936 = *Liparis agassizii* Putnam 1874
tanakae, *Cyclogaster* Gilbert & Burke 1912 = *Liparis tanakae* (Gilbert & Burke 1912)
tartaricus, *Liparis* Soldatov 1930 = *Liparis tartaricus* Soldatov 1930
tasmaniensis, *Paraliparis* Stein, Chernova & Andriashev 2001 = *Paraliparis tasmaniensis* Stein, Chernova & Andriashev 2001
terraenovae, *Paraliparis* Regan 1916 = *Edentoliparis terraenovae* (Regan 1916)
tessellatus, *Cyclogaster* Gilbert & Burke 1912 = *Liparis tessellatus* (Gilbert & Burke 1912)
tetrapteryx, *Paraliparis* Andriashev & Neyelov 1979 = *Paraliparis tetrapteryx* Andriashev & Neyelov 1979
thalassobathyalis, *Paraliparis* Andriashev 1982 = *Paraliparis thalassobathyalis thalassobathyalis* Andriashev 1982
tompkinsae, *Paraliparis* Andriashev 1992 = *Paraliparis tompkinsae* Andriashev 1992
trachysoma, *Careproctus* Gilbert & Burke 1912 = *Careproctus trachysoma* Gilbert & Burke 1912
tremebundus, *Elassodiscus* Gilbert & Burke 1912 = *Elassodiscus tremebundus* Gilbert & Burke 1912
tricapitidens, *Careproctus* Andriashev & Stein 1998 = *Careproctus tricapitidens* Andriashev & Stein 1998
trilobodon, *Paraliparis* Andriashev & Neyelov 1979 = *Paraliparis trilobodon* Andriashev & Neyelov 1979
trunovi, *Paraliparis* Andriashev 1986 = *Paraliparis trunovi* Andriashev 1986
tunicata, *Liparis* Reinhardt 1836 = *Liparis tunicatus* Reinhardt 1836
tunicatiformis, *Liparis* Krasnyukova 1984 = *Liparis tunicatiformis* Krasnyukova 1984
ulochir, *Paraliparis* Gilbert 1896 = *Paraliparis ulochir* Gilbert 1896
valentinae, *Paraliparis* Andriashev & Neyelov 1984 = *Paraliparis valentinae* Andriashev & Neyelov 1984
violaceus, *Paraliparis* Chernova 1991 = *Paraliparis violaceus* Chernova 1991
vladibeckeri, *Careproctus* Andriashev & Stein 1998 = *Careproctus vladibeckeri* Andriashev & Stein 1998
vulgaris, *Liparis* Fleming 1828 = *Liparis liparis* (Linnaeus 1766)
whitleyi, *Psednos* Stein, Chernova & Andriashev 2001 = *Psednos whitleyi* Stein, Chernova & Andriashev 2001
wildi, *Paraliparis* Waite 1916 = *Paraliparis antarcticus* Regan 1914
wilsoni, *Paraliparis* Richards 1966 = *Paraliparis copei wilsoni* Richards 1966
zachirus, *Careproctus* Kido 1985 = *Careproctus zachirus* Kido 1985

zispi, *Careproctus* Andriashev & Stein 1998 = *Careproctus zispi* Andriashev & Stein 1998

zonatus, *Liparis* Chernova, Stein & Andriashev 2004 = *Liparis zonatus* Chernova, Stein & Andriashev 2004

Incertae Sedis Species-Group Names

arcticus, *Liparis lineatus* Collett 1879:44 [ref. 21044] (Tromsø, Magdalenbay on Spitsbergen). Syntypes (2): whereabouts unknown. Based on color variation of *Liparis gibbus* or *L. tunicatus*.

gelatinosus, *Cyclopterus* Pallas 1769:19, Pl. 3 (fig. 1) [ref. 20848]. Not recorded since Pallas 1769.

gobius, *Liparis* Schagerström 1838:248 [ref. 18677] (Landskrona, Sweden). No types known.

major, *Liparis* Gill 1864:193 [ref. 1700] (Greenland and other localities from literature sources). No types known.

musculus, *Cyclopterus* Lacepède 1802:683, Pl. 15 (figs. 3, 4) [ref. 4929] (coast of North Atlantic, Arctic, and North Pacific, intertidal to edge of continental shelf). In the genus *Liparis*, status uncertain.

smyrnensis, *Gobius* Bonnaterre 1788:66 [ref. 4940] (locality unknown). No types known.

Unavailable Species-Group Names

albeolus, *Paraliparis* Taranetz 1937:137 [ref. 13384]. Nomen nudum. In the synonymy of *Paraliparis albeolus* Schmidt 1950.

alboventer, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis alboventer* (Krasnyukova 1984).

caputneptuni, *Crystallichthys* Schmidt 1903:519 [17 of separate] [ref. 3945]. Nomen nudum. Probably in the synonymy of *Crystallichthys cyclospilus* Gilbert & Burke or *C. mirabilis* Jordan & Gilbert.

cryptocanthoides, *Careproctus* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Careproctus cryptocanthoides* Krasnyukova 1984.

cypseluroides, *Careproctus* Taranetz 1937 [ref. 13384]. Nomen nudum. In the synonymy of *Careproctus cypseluroides* Schmidt 1950.

devriesii, *Paraliparis* DeVries & Lin 1977 [ref. 26864]. Nomen nudum. In the synonymy of *Paraliparis devriesii* Andriashev 1980.

egregius, *Squaloliparis* Dudnik & Dolganov [ref. 25854]. Nomen nudum. In the synonymy of *Squaloliparis dentatus* (Kido 1988).

eos, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis eos* Krasnyukova 1984.

grebnitzkii, *Neoliparis* Schmidt 1903:519 [ref. 3945]. Nomen nudum. In the synonymy of *Liparis grebnitzkii* (Schmidt 1904).

lindbergi, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis lindbergi* Krasnyukova 1984.

liparis, *Cyclogaster* Meuschen 1778:23 [ref. 17682]. Suppressed. Published in a rejected work (Opinion 260).

macropterus, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum.

maculatus, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis maculatus* Krasnyukova 1984.

major, *Cyclopterus liparis* Fabricius 1780:136 [ref. 17464]. Infrasubspecific. In the synonymy of *Liparis gibbus* Bean 1881. See Able and McAllister (1980:25, 29 [ref. 6908]). Name appeared as *Cyclopterus liparis altera major* and is treated as infrasubspecific and unavailable. From Greenland.

marinus, *Lepus* Steller 1814:74 [ref. 3351]. Nomen nudum. Not available, manuscript name listed in the synonymy of *Cyclopterus gelatinosus* Pallas 1814.

megalops, *Cyclogaster liparis* Smitt 1893:287 [ref. 4146]. Not available, not intended as a species name and used only as a category (forma megalops = large-eyed form) in reference to *Cyclogaster fabricii*. In the synonymy of *Liparis fabricii* Krøyer 1847.

microps, *Cyclogaster liparis* Smitt 1893:287 [ref. 4146]. Not available, not intended as a species name and used only as a category (forma microps = small-eyed form) in reference to *Cyclogaster liparis* [= *Liparis liparis*]. The figures are only labeled as *Cyclogaster liparis* [Pl. 15 (figs. 7–10); figs. 7 and 9 from Scandinavian specimens]. In the synonymy of *Liparis liparis* (Linnaeus 1766).

- minor*, *Cyclopterus liparis* Fabricius 1780:135 [ref. 17464]. Infrasubspecific. In the synonymy of *Liparis tunicatus* Reinhardt 1836. Name appeared as *Cyclopterus liparis altera minor* and is treated as infrasubspecific and unavailable. From Greenland.
- montacuti*, *Cyclopterus* Turton 1807:115 [ref. 12590]. Misspelling. Apparently an incorrect subsequent spelling of *Cyclopterus montagui* Donovan 1804.
- nostras*, *Liparis* Artedi 1793:117 [ref. 3833]. Nomen nudum.
- parrii*, *Ophidium* Ross 1826:109 [ref. 18641]. Suppressed. Originally thought to be a zoarcid; it was described from Baffin Bay. Günther (1862:325 [ref. 1969]) established the genus *Uronectes*, but that was preoccupied by *Uronectes* Bronn 1850 (Crustacea), so Gill (1884:180 [ref. 1725]) suggested *Lycocara* as a replacement. Under that name it was considered the only generic Arctic endemic zoarcid. Unreported after its original description, Andriashev and McAllister (1978:710 [ref. 6988]) determined that it is a liparid and a senior synonym of *Liparis koefoedi*. In 1980, Able and McAllister (1980:18 [ref. 6908], Able 1990:488 [ref. 20106]) classified it as a junior synonym of *L. fabricii*. Finally, the name was ruled invalid and placed on the Official Index of Rejected and Invalid Names in Zoology, Number 1099 (Opinion 1217).
- quasimodo*, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis quasimodo* Krasnyukova 1984.
- rattus*, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum.
- rotundirostris*, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis rotundirostris* Krasnyukova 1984.
- seraphimae*, *Careproctus* Taranetz 1937:137 [ref. 13384]. Nomen nudum. In the synonymy of *Careproctus seraphimae* Schmidt 1950.
- spinulosus*, *Acantholiparis* Fedorov 1973:67 [ref. 5567]. Nomen nudum.
- tunicatiformes*, *Liparis* Schmidt in Lindberg 1959:255 [ref. 26863]. Nomen nudum. In the synonymy of *Liparis tunicatiformis* Krasnyukova 1984.

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Acknowledgments

The Alfred P. Sloan Foundation provided funding toward preparation of this checklist through a grant to William N. Eschmeyer, California Academy of Sciences. N. V. Chernova and A. P. Andriashev were partially supported by grants from the Russian Fund for Fundamental Research No. 02-04-48669 and Scientific School No. 1668.2003.4, and by Project No. 11 “Study of the Antarctic Biota” FCP “Mirovoy Okean.” We thank Catherine W. Mecklenburg and William J. Poly for their huge and patient help in editing the manuscript.

Suggested citation format:

Chernova, N. V., D. L. Stein, and A. P. Andriashev. 2004. Family Liparidae Scopoli 1777 — snailfishes. *Calif. Acad. Sci. Annotated Checklists of Fishes* No. 31. 72 pp.