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ANNOTATED CHECKLISTS OF FISHES

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Family Zoarcidae Swainson 1839

eelpouts

By

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Eelpouts are a group of about 240 valid species of perciform fishes. They are the most diverse family of the suborder Zoarcoidei and exhibit a greater degree of character plasticity than the other families. Species of some Northern Hemisphere zoarcid genera, especially *Bothrocara*, *Gymnelus*, and *Lycodes*, appear to exist as polymorphic populations. Body elongate, dorsal and anal fins confluent with caudal. Basisphenoid bone, swim bladder, posterior nostrils, and supramaxilla absent. Pelvic fins, lateral lines, pseudobranchia, and pyloric caeca rudimentary or absent. Scales minute, imbedded, cycloid; or absent. Branchiostegal rays 4–8, usually 6. Ovary single. Vertebrae 58–150. Maximum adult size range about 12–110 cm (5–43 in) total length. Eelpouts inhabit primarily the outer shelves to upper slopes of the North Atlantic and North Pacific, but there have been significant radiations into the Arctic, southern South America, and Antarctica. Two genera (*Lycodapus* and *Melanostigma*) are meso- or benthopelagic. A few genera (e.g., *Dieidolycus*, *Lycenchelys*, and *Pachycara*) have abyssal benthic species. The classification follows Anderson (1994 [ref. 21438]), who provided a phylogenetic analysis of the whole family, with four subfamilies recognized.

Subfamily Lycozoarcinae Andriashev 1939

Body and tail relatively stout, vertebrae 65–71. Branchiostegal membranes free of isthmus. Interorbital pore present. Two epurals, with 2–3 rays. Caudal fin rays 13–15. Suborbital bones 5–6, forming semicircle around eye. No fin spines. Marked sexual dimorphism in the single species. Outer shelf depths of the Okhotsk Sea.

Genus *Lycozoarces* Popov 1935

Lycozoarces Popov 1935:303 [ref. 3546]. Type species *Lycozoarces hubbsi* Popov 1935. Type by monotypy.

REMARKS: Appeared first in Popov (1933:151 [ref. 6535]) as a nomen nudum with a new species *regani*, but without qualifying as a combined description, so the genus is unavailable from 1933; the species is available, however, since the genus does not have to be an available name (Art. 11.9.3.1 of the International Code of Zoological Nomenclature). In 1935 *Lycozoarces* was described as was *hubbsi*, and *regani* was mentioned as a second species in the genus. The title includes the statement, "... *Lycozoarces hubbsi*, Gen. N. Sp. N. ..."; this qualifies as a combined

description (see Art. 13.4) since only one new nominal species is included (although a second available species was included); under these circumstances the type is *hubbsi* by monotypy.

***Lycozoarces regani* Popov 1933**

Lycozoarces regani Popov 1933:151, Fig. 1 [labeled 2 on plate] [ref. 6535] (Tatar Strait, 50°36.7'N, 140°53.6'E, Russia, n. Japan Sea, 70 m). Holotype (unique): ZIN 29987.

Lycozoarces hubbsi Popov 1935:303, Fig. [ref. 3546] (Okhotsk Sea, 54°14'N, 143°45'E). Holotype (unique): ZIN 26566.

DISTRIBUTION: Western North Pacific: Japan and Okhotsk seas.

Subfamily Zoarcinae Swainson 1839

Body and tail elongate, vertebrae 101–146. Branchiostegal membranes attached to isthmus. Interorbital pore present. Single epural, with two rays. Caudal fin rays 9–11. Suborbital bones 5–6, forming semicircle around eye. Pungent spines at rear of dorsal fin present (rarely absent in one species). Four species, two in North Atlantic and two in western North Pacific, from sublittoral to outer shelf depths.

Genus *Zoarces* Cuvier 1829

Zoarces Cuvier 1829:240 [ref. 995]. Type species *Blennius viviparus* Linnaeus 1758. Type by subsequent designation.

Macrozoarces Gill 1863:258 [ref. 1689]. Type species *Blennius anguillaris* Peck 1804. Type by monotypy.

***Zoarces americanus* (Bloch & Schneider 1801)**

Blennius americanus Bloch & Schneider 1801:171 [ref. 471] (American seas). No types known.

Blennius viviparus var. *unicolor* Walbaum 1792:185 [ref. 4572] (“American Ocean”). No types known.

Blennius anguillaris Peck 1804:55, Pl. 2 (fig. 3) [ref. 18525] (New Hampshire, U.S.A.). No types known.

Blennius ciliatus Mitchill 1814:6 [ref. 3030] (New York, U.S.A.). No types known.

Blennius labrosus Mitchill 1815:375, Pl. 1 (fig. 7) [ref. 13292] (New York, U.S.A.). No types known.

Zoarces gronovii Valenciennes in Cuvier & Valenciennes 1836:469 [ref. 1005] (America). No types known.

DISTRIBUTION: Western North Atlantic.

***Zoarces elongatus* Kner 1868**

Zoarces elongatus Kner 1868:30 [ref. 6074] (De Kastri Bay, Tatar Strait, Japan Sea). No types known.

DISTRIBUTION: Western North Pacific.

***Zoarces gillii* Jordan & Starks 1905**

Zoarces gillii Jordan & Starks 1905:212, Fig. 11 [ref. 2530] (Pusan, South Korea). Holotype (unique): USNM 45355.

Zoarces tangwangi Wu 1930:60, Fig. [ref. 16347] (Foochow, China). Holotype (unique): whereabouts unknown.

DISTRIBUTION: Western North Pacific.

***Zoarces viviparus* (Linnaeus 1758)**

Blennius viviparus Linnaeus 1758:258 [ref. 2787] (European seas). Possible syntypes: BMNH 1853.11.12.122 [Gronovius coll.] (1, skin), Linn. Soc. Lond. 28 (left half-skin).

DISTRIBUTION: Eastern North Atlantic to White Sea.

Subfamily Gymnelinae Gill 1863

Body and tail elongate, vertebrae 76–150. Branchiostegal membranes broadly fused to isthmus, gill slit usually extending to about mid-pectoral base, or is a small pore well above pectoral fin (fin absent in *Andriashevia*). Interorbital pore usually present. Single epural, sometimes absent, with 0–2 rays. Caudal fin rays 5–12. Suborbital bones 4–8, usually 5–6, forming semicircle around eye. No fin spines except in *Krusensterniella*, which has a variable series of pungent spines in the dorsal fin preceded by flexible spines. About 35 species, most in the North Pacific. Several species apparently exist as polymorphic populations. *Melanostigma* is a cosmopolitan, mesopelagic genus, and *Seleniolytus* is endemic to the Southern Ocean.*

Genus *Andriashevia* Fedorov & Neyelov 1978

Andriashevia Fedorov & Neyelov 1978:952 [ref. 1312]. Type species *Andriashevia aptera* Fedorov & Neyelov 1978. Type by original designation (also monotypic).

Andriashevia aptera Fedorov & Neyelov 1978

Andriashevia aptera Fedorov & Neyelov 1978:953 [847 of translation], Figs. 1–2 [ref. 1312] (37°29'N, 142°25'E, Pacific coast of Japan, 1,025 m). Holotype (unique): ZIN 43449.

DISTRIBUTION: Western North Pacific.

Genus *Bilabria* Schmidt 1936

Bilabria Schmidt 1936:98 [ref. 3942]. Type species *Lycenchelys ornatus* Soldatov 1922. Type by monotypy.

REMARKS: An undescribed species of *Bilabria* is known off Hokkaido, Japan.

Bilabria ornata (Soldatov 1922)

Lycenchelys ornatus Soldatov 1922:162, Fig. 2 [ref. 4159] (Tatar Strait near Cape Grasevich, n. Japan Sea, 10 fm). Holotype (unique): ZIN 20168 (destroyed).

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

REMARKS: The holotype was destroyed during World War II, but a radiograph from the specimen is on file at ZIN (Anderson 1994:111 [ref. 21438]).

Genus *Davidjordania* Popov 1931

Davidjordania Popov 1931:212 [ref. 3544]. Type species *Lycenchelys lacertinus* Pavlenko 1910. Type by original designation.

REMARKS: This genus and other primitive gymnelines are in need of revision. An undescribed *Davidjordania* is known from northern Japan and another, that probably belongs in a new genus, is known from the northern Okhotsk Sea.

Davidjordania brachyrhyncha (Schmidt 1904)

Lycenchelys brachyrhynchus Schmidt 1904:201, Pl. 6 (fig. 3) [ref. 3946] (Aniva Bay and Terpeniya [Patience] Bay, Sakhalin I., Russia, Okhotsk Sea, 91–119 ft [13–17 Russian fm]). Syntypes: ZIN 13089–91 (1, 1, 3).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

Davidjordania jordaniana Schmidt 1936

Davidjordania jordaniana Schmidt (ex Popov) 1936:99 [ref. 3942] (Tatar Strait, n. Japan Sea, 51°26.5'N, 141°29.5'E, 20 Russian fm). Syntypes: ?ZIN 23946, 23947 (2, 3 or 4).

DISTRIBUTION: Western North Pacific: Japan and Okhotsk seas.

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

***Davidjordania lacertina* (Pavlenko 1910)**

Lycenchelys lacertinus Pavlenko 1910:53, Figs. 10–11 [ref. 3393] (Peter the Great Bay, Russia, Japan Sea). Syntypes: (3) whereabouts unknown.

DISTRIBUTION: Western North Pacific: northern Japan.

***Davidjordania poecilimon* (Jordan & Fowler 1902)**

Lycenchelys poecilimon Jordan & Fowler 1902:748, Fig. 2 [ref. 2459] (off Kinkwazan in Matsu-shima Bay, Japan, *Albatross* sta. 3768, 25–27 fm). Holotype: USNM 50578.

Lycenchelys spilotus Fowler 1943:89, Fig. 24 [ref. 1441] (off Niigata Light, Japan Sea, *Albatross* sta. 4817, 38°12'N, 138°52'E, 61 fm). Holotype: USNM 99511.

DISTRIBUTION: Western North Pacific: Japan and Okhotsk seas.

Genus *Gymnelopsis* Soldatov 1922

Gymnelopsis Soldatov 1922:160 [ref. 4159]. Type species *Gymnelopsis ocellatus* Soldatov 1922. Type by original designation.

Derjuginia Popov 1931:137 [ref. 5702]. Type species *Derjuginia ochotensis* Popov 1931. Type by monotypy.

Gengea Katayama 1943:101 [ref. 2567]. Type species *Gengea japonica* Katayama 1943. Type by original designation (also monotypic).

***Gymnelopsis brashnikovi* Soldatov 1922**

Gymnelopsis brashnikovi Soldatov 1922:162 [ref. 4159] (Cape Eustaphie, Okhotsk Sea, 86 m). Holotype (unique): ZIN 13029.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Gymnelopsis brevifenestrata* Anderson 1982**

Gymnelopsis brevifenestratus Anderson 1982:52, Fig. 33 [ref. 5520] (Okhotsk Sea, 57°50'N, 141°47'E, 146 m). Holotype: USNM 92587.

DISTRIBUTION: Western North Pacific: Okhotsk Sea and Japan.

***Gymnelopsis humilis* Nazarkin & Chernova 2003**

Gymnelopsis humilis Nazarkin & Chernova 2003:602, Figs. 1a–b, 2a–b [ref. 27204] (n. Okhotsk Sea, 57°30.6'N, 146°00.2'E, R/V *Zodiak*, bottom trawler survey-2000, trawl 4, 153 m). Holotype: ZIN 52831.

DISTRIBUTION: Western North Pacific: northern Okhotsk Sea.

***Gymnelopsis ocellata* Soldatov 1922**

Gymnelopsis ocellatus Soldatov 1922:161, Fig. 1 [ref. 4159] (w. Okhotsk Sea, ca. 55°30'N, 138°30'E, ca. 70–90 m). Syntypes: ZIN 20167 (3).

Gymnelopsis ocellatus guentheri Popov in Schmidt 1950:125 [112 of translation] [ref. 12471] (near Ayan, Okhotsk Sea, 57°47'N, 141°42'E, 150 m). Holotype (unique): ZIN 23949.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Gymnelopsis ochotensis* (Popov 1931)**

Derjuginia ochotensis Popov 1931:137, Pl. 1 (fig. 1) [ref. 5702] (n. Okhotsk Sea, 56°08'N, 144°55'E, 287 m). Holotype (unique): ZIN 30359.

Gengea japonica Katayama 1943:101, Fig. 1 [ref. 2567] (Moroyose, Hyogo-ken, Japan). Holotype (unique): whereabouts unknown (214 mm TL).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

Genus *Gymnelus* Reinhardt 1834

Gymnelus Reinhardt 1834:4 [ref. 13469]. Type species *Ophidium viride* Fabricius 1780. Type by monotypy.

Cepolophis Kaup 1856:96 [ref. 2574]. Type species *Ophidium viride* Fabricius 1780. Type by subsequent designation.

Gymnelichthys Fischer 1885:60 [ref. 1333]. Type species *Gymnelichthys antarcticus* Fischer 1885. Type by monotypy.

Nemalycodes Herzenstein 1896:14 [ref. 2151]. Type species *Nemalycodes grigorjewi* Herzenstein 1896. Type by monotypy.

Commandorella Taranetz & Andriashev 1935:267, 269 [ref. 4341]. Type species *Commandorella popovi* Taranetz & Andriashev 1935. Type by original designation (also monotypic).

REMARKS: Chernova (1998 [ref. 24169], 1999 [ref. 24863], 1999 [ref. 24868], 2000 [ref. 24885]) described nine new species of *Gymnelus*, most of which MEA considers as probably ecophenotypes of three widely distributed species. More research is needed.

***Gymnelus andersoni* Chernova 1998**

Gymnelus andersoni Chernova 1998:738, Figs. 1, 2b, 3a, 4a, 5a [ref. 24169] (Barents Sea, Arctic Ocean, 75°00'N, 33°30'E, 213 m). Holotype: ZIN 14140.

DISTRIBUTION: Arctic: northern Eurasian seas.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. retrodorsalis*.

***Gymnelus barsukovi* Chernova 1999**

Gymnelus barsukovi Chernova 1999:310, Figs. 5–7 [ref. 24868] (Providence Bay, Chukchi Peninsula). Holotype (unique): ZIN 35423.

DISTRIBUTION: Arctic Ocean and Bering Sea.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. viridis*.

***Gymnelus diporus* Chernova 2000**

Gymnelus diporus Chernova 2000:11 [7 of translation], Figs. 2b, 4 [ref. 24885] (Bering I., Commander Is., 123 m). Holotype: ZIN 25243.

DISTRIBUTION: Western North Pacific.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. hemifasciatus*.

***Gymnelus esipovi* Chernova 1999**

Gymnelus esipovi Chernova 1999:306, Figs. 1–2 [ref. 24868] (Kara Sea, 78°53'N, 80°34'E, 40 m). Holotype: ZIN 30558.

DISTRIBUTION: Arctic Ocean.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. retrodorsalis*.

***Gymnelus gracilis* Chernova 2000**

Gymnelus gracilis Chernova 2000:13 [8 of translation], Figs. 2c, 5 [ref. 24885] (Pacific coast of Kamchatka near Cape Afrika, 105 m). Holotype: ZIN 51565.

DISTRIBUTION: Western North Pacific: Kamchatka.

***Gymnelus hemifasciatus* Andriashev 1937**

Gymnelus hemifasciatus Andriashev 1937:345, Pl. 2 (figs. 23–24) [ref. 20242] (n. Bering Sea, 64°15.5'N, 172°27.0'W, 55 m). Holotype: ZIN 24944.

Gymnelus viridis morpha *ochotensis* Soldatov & Lindberg 1930:506 [ref. 4164] (Okhotsk Sea, North Pacific). Syntypes: ZIN 20165, 20166 (1, 2).

Gymnelus knipowitschi Chernova 1999:5 [1 of translation], Figs. 1–3 [ref. 24863] (Kazarinov Bay, Novaya Zemlya, Kostin Shar Strait, 9–17.5 m). Holotype: ZIN 14143.

DISTRIBUTION: Arctic Ocean and Bering Sea.

***Gymnelus obscurus* Chernova 2000**

Gymnelus obscurus Chernova 2000:14 [9 of translation], Figs. 6–7 [ref. 24885] (Emma Bay, Provideniya [Providence] Bay, n. part of Bering Sea). Holotype: ZIN 34840.

DISTRIBUTION: North Pacific: Bering Sea.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. viridis*.

***Gymnelus pauciporus* Anderson 1982**

Gymnelus pauciporus Anderson 1982:47, Figs. 12b, 30 [ref. 5520] (south of Cape Ozernoy, Kamchatka Peninsula, Russia, 57°31.0'N, 163°49.5'E, 275 m). Holotype: USNM 92589.

DISTRIBUTION: Western North Pacific.

***Gymnelus platycephalus* Chernova 1999**

Gymnelus platycephalus Chernova 1999:313, Figs. 8–9 [ref. 24868] (northern part of Bering Sea). Holotype: ZIN 51564.

DISTRIBUTION: North Pacific and Arctic: Bering and Chukchi seas.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. viridis*.

***Gymnelus popovi* (Taranetz & Andriashev 1935)**

Commandorella popovi Taranetz & Andriashev 1935:268, Figs. 1–2 [ref. 4341] (Mednyy I., Commander Is., w. Bering Sea). Holotype: ZIN 23948.

DISTRIBUTION: North Pacific.

***Gymnelus retrodorsalis* Le Danois 1913**

Gymnelus retrodorsalis Le Danois 1913:258 [ref. 14951] (Denmark Strait, 65°52'N, 29°20'W, 335–346 m). Neotype: NMC 79-716.

DISTRIBUTION: North Atlantic and Arctic.

***Gymnelus soldatovi* Chernova 2000**

Gymnelus soldatovi Chernova 2000:8 [4 of translation], Figs. 1, 2a [ref. 24885] (Luzhina Strait, between Paramushir and Antsiferovo islands, Kuril Is., 100 m). Holotype: ZIN 51558.

DISTRIBUTION: Western North Pacific.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. hemifasciatus*.

***Gymnelus taeniatus* Chernova 1999**

Gymnelus taeniatus Chernova 1999:309, Fig. 4 [ref. 24868] (Kuna I., Franz Josef Land, 25–40 m). Holotype (unique): ZIN 51567.

DISTRIBUTION: Arctic: Franz Josef Land.

REMARKS: One of us (MEA) believes this species is probably a synonym of *G. retrodorsalis*.

***Gymnelus viridis* (Fabricius 1780)**

Ophidium viride Fabricius 1780:141 [ref. 17464] (sw. Greenland). Neotype: ZMUC P761096.

Ophidium unernak Lacepède 1800:278, 280 [ref. 2709] (Greenland). No types known.

Ophidium stigma Lay & Bennett 1839:67, Pl. 20 (fig. 1) [ref. 2730] (Kotzebue Sound, Alaska, U.S.A.). Holotype (unique): not preserved.

Gymnelus pictus Günther 1862:324 [ref. 1969] (no locality). Syntypes: (2) BMNH 1855.9.19.1298 (1).

Gymnelichthys antarcticus Fischer 1885:61, Pl. 2 (fig. 9) [ref. 1333] (locality unknown, erroneously given as “South-Georgia”). Syntypes: ZMH 3902 (4).

Gymnelis bilabrus Andriashev 1937:344, Pl. 2 (figs. 20–22) [ref. 20242] (between Cape Chukotskiy and St. Lawrence I., Bering Sea, 64°09.5'N, 171°58'W, 40 m). Holotype: ZIN 24943.

DISTRIBUTION: Arctic Ocean and Bering Sea.

Genus *Hadropareia* Schmidt 1904

Hadropareia Schmidt 1904:204 [ref. 3946]. Type species *Hadropareia middendorffii* Schmidt 1904. Type by monotypy.

***Hadropareia middendorffii* Schmidt 1904**

Hadropareia middendorffii Schmidt 1904:204, Fig. 14 [ref. 3946] (Big Shantarsky I., Shantarsky Is., Russia, Okhotsk Sea). Syntypes: ZIN 12994 (2).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Hadropareia semisquamata* Andriashev & Matyushin 1989**

Hadropareia semisquamata Andriashev & Matyushin in Matyushin 1989:525 [ref. 17696] (w. Pacific, Shikotan I., Krabovaya Bay). Holotype: ZIN 35815.

DISTRIBUTION: Western North Pacific: Kuril Islands.

Genus *Krusensterniella* Schmidt 1904

Krusensterniella Schmidt 1904:197 [ref. 3946]. Type species *Krusensterniella notabilis* Schmidt 1904. Type by monotypy.

***Krusensterniella maculata* Andriashev 1938**

Krusensterniella maculata Andriashev 1938:118 [ref. 19938] (Tatar Strait to Furugelm I., Japan Sea, 51°04'N, 140°49'E, 53–150 m). Syntypes: ZIN 29989 (2).

DISTRIBUTION: Western North Pacific: Japan Sea.

***Krusensterniella multispinosa* Soldatov 1922**

Krusensterniella multispinosa Soldatov 1922:158, Fig. [ref. 18736] (55°57'N, 138°13'E, Okhotsk Sea, 87 m). Syntypes: ZIN 19961 (2, now 1).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Krusensterniella notabilis* Schmidt 1904**

Krusensterniella notabilis Schmidt 1904:198, Fig. 12 [ref. 3946] (Bellingshausen Cape and Popov Cape, e. Sakhalin I., Russia, Okhotsk Sea). Syntypes: USNM 92591 [ex ZIN 13011] (1), ZIN 13011 (now 5), 13012 (2).

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Krusensterniella pavlovskii* Andriashev 1955**

Krusensterniella pavlovskii Andriashev 1955:393, Fig. 1 [ref. 9472] (off Cape Afrika, e. Kamchatka, w. Bering Sea). Holotype: ZIN 33748 (126.5 mm specimen).

DISTRIBUTION: Western North Pacific: Kamchatka.

Genus *Melanostigma* Günther 1881

Melanostigma Günther 1881:20 [ref. 2012]. Type species *Melanostigma gelatinosum* Günther 1881. Type by monotypy.

Bandichthys Parin 1979:167, 170 [ref. 3363]. Subgenus of *Melanostigma*. Type species *Melanostigma (Bandichthys) vitiazi* Parin 1979. Type by original designation (also monotypic).

***Melanostigma atlanticum* Koefoed 1952**

Melanostigma atlanticum Koefoed 1952:10, Pl. 2 (fig. d) [ref. 2652] (North Atlantic, *Michael Sars* sta. 101, 57°41'N, 11°48'W, 2,500 m wire out). Holotype: ZMUB 4482.

DISTRIBUTION: North Atlantic, including Mediterranean Sea.

***Melanostigma bathium* Bussing 1965**

Melanostigma bathium Bussing 1965:219, Fig. 15 [ref. 9201] (off s. Chile, 40°15'S, 78°17'W). Holotype: LACM 10063.

DISTRIBUTION: Eastern Pacific to Antarctic Peninsula.

***Melanostigma gelatinosum* Günther 1881**

Melanostigma gelatinosum Günther 1881:21, Pl. 2 (fig. a) [ref. 2012] (Tilly Bay, Strait of Magellan, Chile, 24 fm). Holotype (unique): BMNH 1880.7.28.4 [or 28.7].

Melanostigma flaccidum Waite 1914:129, Pl. 6 [ref. 14178] (Kaikoura, New Zealand, at surface). Holotype (unique): whereabouts unknown.

DISTRIBUTION: Southern Ocean: circumglobal.

***Melanostigma inexpectatum* Parin 1977**

Melanostigma inexpectatum Parin 1977:63, Fig. 2 [ref. 7274] (w. equatorial Pacific, 1°15'S, 142°46'E, est. 1,000 m [3,300 m wire out]). Holotype (unique): ZIN 42640.

DISTRIBUTION: Western Pacific.

***Melanostigma orientale* Tominaga 1971**

Melanostigma orientale Tominaga 1971:151, Figs. 1–3 [ref. 7709] (Sagami Bay, Japan, 35°08'N, 139°16'E, ca. 600–0 m). Holotype: ZUMT 52454.

DISTRIBUTION: Western North Pacific.

***Melanostigma pammelas* Gilbert 1896**

Melanostigma pammelas Gilbert 1896:472, Pl. 35 (lower) [ref. 1628] (Monterey Bay, California, U.S.A., *Albatross* sta. 3202, 36°46'10"N, 121°58'45"W, 382 fm). Holotype: USNM 53034 (missing).

DISTRIBUTION: Eastern North Pacific.

***Melanostigma vitiazi* Parin 1979**

Melanostigma (Bandichthys) vitiazi Parin 1979:167 [150 of translation], Figs. 1–2 [ref. 3363] (Banda Sea, 6°39'S, 126°37'E, 0–890 m). Holotype: ZIN 44000.

DISTRIBUTION: Indo-West Pacific.

Genus *Nalbantichthys* Schultz 1967

Nalbantichthys Schultz 1967:1 [ref. 3974]. Type species *Nalbantichthys elongatus* Schultz 1967. Type by original designation (also monotypic).

***Nalbantichthys elongatus* Schultz 1967**

Nalbantichthys elongatus Schultz 1967:2, Figs. 1–3 [ref. 3974] (south-central Bering Sea, 300 m). Holotype: USNM 200671.

DISTRIBUTION: North Pacific: Bering Sea.

Genus *Opaeophacus* Bond & Stein 1984

Opaeophacus Bond & Stein 1984:522 [ref. 5310]. Type species *Opaeophacus acrogeneius* Bond & Stein 1984. Type by original designation (also monotypic).

***Opaeophacus acrogeneius* Bond & Stein 1984**

Opaeophacus acrogeneius Bond & Stein 1984:523, Fig. 1 [ref. 5310] (off Seguam I., Bering Sea, 52°42'N, 172°15'W, 500–800 m). Holotype: USNM 260320.

DISTRIBUTION: North Pacific: Bering Sea.

Genus *Puzanovia* Fedorov 1975

Puzanovia Fedorov 1975:587 [ref. 1310]. Type species *Puzanovia rubra* Fedorov 1975. Type by original designation (also monotypic).

***Puzanovia rubra* Fedorov 1975**

Puzanovia rubra Fedorov 1975:589 [528 of translation], Figs. 1–2 [ref. 1310] (Bering Sea, 61°05'N, 179°20'W, 460–475 m). Holotype: ZIN 39213 (1 of 3 [includes 2 paratypes], not found in 1996).

DISTRIBUTION: North Pacific: Bering Sea to Okhotsk Sea and Japan.

***Puzanovia virgata* Fedorov 1982**

Puzanovia virgata Fedorov 1982:77, Fig. [ref. 5252] (w. Pacific, off n. Kuril Is., 48°24'30"N, 153°49'12"E, 480–505 m). Holotype: ZIN 44079.

DISTRIBUTION: Western North Pacific.

Genus *Seleniolycus* Anderson 1988

Seleniolycus Anderson 1988:68 [ref. 7304]. Type species *Oidiphorus laevifasciatus* Torno, Tomo & Marschoff 1977. Type by original designation (also monotypic).

***Seleniolycus laevifasciatus* (Torno, Tomo & Marschoff 1977)**

Oidiphorus laevifasciatus Torno, Tomo & Marschoff 1977:4, Figs. [ref. 8869] (south Sandwich Is., se. Atlantic, 59°25'S, 26°54'W, 1,080 m). Holotype: IAA no. 3.

DISTRIBUTION: Southern Ocean.

Subfamily Lycodinae Gill 1861

Body and tail elongate, vertebrae 58–144. Branchiostegal membranes attached to isthmus except free posteriorly in *Lycodapus*; gill slit usually broad, restricted in a few species. Interorbital pore usually absent. Single epural with 1–2 rays. Caudal fin rays 6–12. Suborbital bones 4–9, usually 6–8, forming an L-shaped pattern around eye. No fin spines except a fused pelvic splint formed in a few species. About 190 species spread through all oceans, including an upper slope-to-littoral radiation in southern South America.

Genus *Aiakas* Gosztonyi 1977

Aiakas Gosztonyi 1977:198 [ref. 6103]. Type species *Aiakas krefftii* Gosztonyi 1977. Type by original designation (also monotypic).

***Aiakas krefftii* Gosztonyi 1977**

Aiakas krefftii Gosztonyi 1977:199, Fig. 2 [ref. 6103] (continental slope off Golfo San Jorge, Argentina, 46°05'S, 59°54'W, 800 m). Holotype (unique): ISH 385/71.

DISTRIBUTION: Western South Atlantic.

***Aiakas zinorum* Anderson & Gosztonyi 1991**

Aiakas zinorum Anderson & Gosztonyi 1991:2, Figs. 1–2 [ref. 19348] (Argentine slope, 49°16'00"S, 57°01'09"W, 630–550 m). Holotype (unique): ZIN 39893.

DISTRIBUTION: Western South Atlantic.

Genus *Austrolycus* Regan 1913

Austrolycus Regan 1913:245 [ref. 3651]. Type species *Austrolycus depressiceps* Regan 1913. Type by subsequent designation.

***Austrolycus depressiceps* Regan 1913**

Austrolycus depressiceps Regan 1913:245, Pl. 5 (fig. 1) [ref. 3651] (Magellan Strait). Lectotype: BMNH 1868.1.15.25.

DISTRIBUTION: Eastern South Pacific and western South Atlantic.

***Austrolycus laticinctus* (Berg 1895)**

Lycodes laticinctus Berg 1895:71, Pl. 1 (fig. 2) [ref. 261] (mouth of Río Santa Cruz, Santa Cruz Prov., Argentina). Holotype (unique): MACN 3003.

Phucocoetes variegatus forma *macropus* Smitt 1898:44, Pl. 5 (figs. 35, 36, 36a–b) [ref. 4147] (off R. Grande, Tierra del Fuego, sw. Atlantic). Syntypes: NRM 11159–60 (1, 2).

Lycodes (Phucocoetes) platei Steindachner 1898:320, Pl. 19 (fig. 8) [ref. 4238] (Cape Espiritu Santo, Tierra del Fuego, Chile). Holotype (unique): ZMB 15691.

Lycodalepis morenoi Lahille 1908:413, Pl. 6 [ref. 5869] (Cape San Antonio, 36°20'S, Argentina, 15–20 m). Holotype: Mus. Nac. Buenos Aires.

DISTRIBUTION: Western South Atlantic.

Genus *Bothrocara* Bean 1890

Bothrocara Bean 1890:38 [ref. 229]. Type species *Bothrocara mollis* Bean 1890. Type by monotypy.

Bothrocaropsis Garman 1899:127 [ref. 1540]. Type species *Bothrocaropsis alalonga* Garman 1899. Type by subsequent designation.

Lycogramma Gilbert 1915:364 [ref. 1632]. Type species *Maynea brunnea* Bean 1890. Type by original designation (also monotypic).

Zestichthys Jordan & Hubbs 1925:321 [ref. 2486]. Type species *Zestichthys tanakae* Jordan & Hubbs 1925. Type by original designation (also monotypic).

Allolepis Jordan & Hubbs 1925:322 [ref. 2486]. Type species *Allolepis hollandi* Jordan & Hubbs 1925. Type by original designation (also monotypic).

REMARKS: The genus is in need of revision, especially nominal forms in the western North Pacific.

***Bothrocara brunneum* (Bean 1890)**

Maynea brunnea Bean 1890:39 [ref. 229] (off San Clemente I., s. California, U.S.A., *Albatross* sta. 2839, 33°08'N, 118°40'W, 414 fm). Holotype (unique): USNM 53029 (nearly disintegrated).

Bothrocaropsis rictolata Garman 1899:128, Pl. 33 (fig. 1) [ref. 1540] (off Marinato Point, Panama Bay, *Albatross* sta. 3353, 7°06'15"N, 80°34'W, 695 fm). Holotype (unique): MCZ 28693.

DISTRIBUTION: North Pacific and eastern South Pacific.

***Bothrocara elongatum* (Garman 1899)**

Bothrocaropsis elongata Garman 1899:129, Pl. 33 (fig. 2) [ref. 1540] (Gulf of Panama, *Albatross* sta. 3353, 7°06'15"N, 80°34'00"W, 695 fm, and sta. 3393, 7°15'00"N, 79°36'00"W, 1,020 fm). Syntypes: MCZ 28691, 28692 (1, 1).

DISTRIBUTION: Eastern Pacific: Gulf of Panama.

***Bothrocara hollandi* (Jordan & Hubbs 1925)**

Allolepis hollandi Jordan & Hubbs 1925:323, Pl. 12 (fig. 2) [ref. 2486] (near Fukui, Japan Sea, Japan). Holotype: FMNH 58842 [ex CM 7952].

Lycogramma crystallonota Popov (ex Schmidt) 1933:151 [ref. 6535] (Japan Sea, east of Petrov's Cape, Russia, 1,225–1,980 m). Syntypes: (2) ZIN 24499 (now 3).

Allolepis nazumii Mori 1956:29 [ref. 7765] (Yamoto Bank, central Japan Sea, 38°–39°N, 134°E, 300–400 m). Holotype: not researched.

DISTRIBUTION: Western North Pacific.

***Bothrocara molle* Bean 1890**

Bothrocara mollis Bean 1890:39 [ref. 229] (off Cape St. James, Queen Charlotte Is., British Columbia, Canada, *Albatross* sta. 2860, 51°23'N, 130°34'W, 876 fm). Holotype (unique): USNM 45359.

Bothrocaropsis alalonga Garman 1899:127, Pl. 32 (fig. 2) [ref. 1540] (off Gulf of California, Mexico, *Albatross* sta. 3436, 27°34'N, 110°53'40"W, 905 fm). Syntypes: MCZ 28694 (2).

Bothrocara remigera Gilbert 1915:366, Pl. 20 (fig. 19) [ref. 1632] (Monterey Bay, California, U.S.A., *Albatross* sta. 4516, 718–756 fm). Holotype: USNM 75820.

DISTRIBUTION: North and South Pacific to South Georgia Island, western South Atlantic.

***Bothrocara pusillum* (Bean 1890)**

Maynea pusilla Bean 1890:39 [ref. 229] (Alaska, U.S.A., *Albatross* sta. 2848, 55°10'00"N, 160°18'00"W, 110 fm). Holotype (unique): USNM 45360 (in pieces).

DISTRIBUTION: Eastern North Pacific.

***Bothrocara soldatovi* (Schmidt 1950)**

soldatovi, *Lycogramma* Schmidt 1950:116 [103 of translation], Pl. 11 (fig. 1) [ref. 12471] (east of Cape Terpeniya, Russia, 49°12'N, 145°21'E, Okhotsk Sea, 440 m). Holotype: ZIN 30963.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

REMARKS: Treated as a probable synonym of *Bothrocara brunneum* (Bean 1890) by Anderson (1994:116 [ref. 21438]), but status needs additional research.

***Bothrocara zestum* Jordan & Fowler 1902**

Bothrocara zesta Jordan & Fowler 1902:749, Fig. 3 [ref. 2459] (Sagami Bay, Japan, *Albatross* sta. 3696, 501–749 fm). Holotype: USNM 50576 (19 in, 482 mm).

DISTRIBUTION: Western North Pacific: around Japan.

REMARKS: Status uncertain. May occur in Bering Sea, more research needed.

Genus *Bothrocarina* Suvorov 1935

Bothrocarina Suvorov 1935:435 [English on p. 439] [ref. 4300]. Type species *Bothrocarina nigrocaudata* Suvorov 1935. Type by original designation (also monotypic).

Bothrocarichthys Schmidt 1938:653 [ref. 3943]. Type species *Bothrocarichthys microcephalus* Schmidt 1938. Type by monotypy.

***Bothrocarina microcephala* (Schmidt 1938)**

Bothrocarichthys microcephalus Schmidt 1938:653 [ref. 3943] (west coast of Kamchatka, Russia, 58°21'N, 153°30'E, Okhotsk Sea, 70–190 m). Syntypes: (5) ZIN 24847 (2, now 1), 31170 (1), others not found.

DISTRIBUTION: Western North Pacific.

***Bothrocarina nigrocaudata* Suvorov 1935**

Bothrocarina nigrocaudata Suvorov 1935:435 [English on p. 439], Figs. 1–2 [ref. 4300] (region of Ozernaya, west Kamchatka, Russia, 51°24.5'N, 156°17'E, Okhotsk Sea, 134–235 m). Holotype (unique): ZIN 25072.

DISTRIBUTION: Western North Pacific.

Genus *Crossostomus* Lahille 1908

Crossostomus Lahille 1908:408 [ref. 5869]. Type species *Lycodes (Ilucoetes) fimbriatus* of Steindachner 1898. Type by monotypy.

Crossolyculus Regan 1913:247 [ref. 3651]. Type species *Lycodes fimbriatus* of Steindachner 1898. Type by subsequent designation.

REMARKS: The International Commission on Zoological Nomenclature needs to be petitioned to fix the type species of *Crossostomus* (as *Crossolyculus chilensis* Regan 1913), as it is based on a misidentification by Steindachner (1898 [ref. 4238]).

***Crossostomus chilensis* (Regan 1913)**

Crossolyculus chilensis Regan 1913:247 [ref. 3651] (Cape Espiritu Santo, Tierra del Fuego, Chile). Holotype (unique): ZMB 16693.

Crossostomus sobrali Lloris & Rucabado 1989:264, Fig. 1 [ref. 15956] (Piedra Redonda, Ushuaia Peninsula, Tierra del Fuego, 54°50.8'S, 68°19.2'W, Argentina). Holotype (unique): IIPB 14/1987.

DISTRIBUTION: Eastern South Pacific and western South Atlantic.

***Crossostomus fasciatus* (Lönnberg 1905)**

Ilucocoetes fimbriatus fasciatus Lönnberg 1905:20 [ref. 2839] (Greenpatch, Port Louis, Falkland Is., 7 m). Holotype (unique): NRM 11089.

DISTRIBUTION: Western South Atlantic.

Genus *Dadyanos* Whitley 1951

Dadyanos Whitley 1951:68 [ref. 4711]. Type species *Platea insignis* Steindachner 1898. Type by being a replacement name.

Platea Steindachner 1898:323 [ref. 4238]. Type species *Platea insignis* Steindachner 1898. Type by monotypy.

***Dadyanos insignis* (Steindachner 1898)**

Platea insignis Steindachner 1898:323, Pl. 20 (figs. 12–12b) [ref. 4238] (Cape Espiritu Santo, Tierra del Fuego, Chile). Holotype (unique): ZMB 15694.

DISTRIBUTION: Western South Atlantic.

Genus *Derepodichthys* Gilbert 1896

Derepodichthys Gilbert 1896:456 [ref. 1628]. Type species *Derepodichthys alepidotus* Gilbert 1896. Type by original designation (also monotypic).

***Derepodichthys alepidotus* Gilbert 1896**

Derepodichthys alepidotus Gilbert 1896:456 [ref. 1628] (off Queen Charlotte Is., British Columbia, Canada, *Albatross* sta. 3342, 52°39'30"N, 132°38'W, 1,588 fm). Holotype (unique): USNM 48615 (poor condition).

DISTRIBUTION: Eastern North Pacific.

Genus *Dieidolycus* Anderson 1988

Dieidolycus Anderson 1988:72 [ref. 7304]. Type species *Dieidolycus leptodermatus* Anderson 1988. Type by original designation (also monotypic).

REMARKS: Originally diagnosed with lateral line absent, *Dieidolycus* species were later discovered with a lateral line (Anderson and Pequeño 1998 [ref. 23482]).

***Dieidolycus adocetus* Anderson 1994**

Dieidolycus adocetus Anderson 1994:121, Figs. 1–2 [ref. 21460] (Bismarck Sea, 3°41.5'S, 151°52.2'E, 1,957 m). Holotype: AMS I.32236-001.

DISTRIBUTION: Western South Pacific: Bismarck Sea.

REMARKS: Holotype and paratype damaged.

***Dieidolycus gosztonyii* Anderson & Pequeño R. 1998**

Dieidolycus gosztonyii Anderson & Pequeño R. 1998:2, Fig. 1 [ref. 23482] (off Isla Nueva, Tierra del Fuego, Chile, 55°31.6'S, 65°56.8'W to 55°30.7'S, 65°58.8'W, 2,165–2,008 m). Holotype (unique): MNHNC 7089.

DISTRIBUTION: Western South Atlantic: Chile.

***Dieidolycus leptodermatus* Anderson 1988**

Dieidolycus leptodermatus Anderson 1988:72, Fig. 15 [ref. 7304] (south of South Georgia I., Scotia Sea, 55°01'–10'S, 39°55'–46'W, 2,886–3,040 m). Holotype: LACM 10772-7.

DISTRIBUTION: Southern Ocean: circum-Antarctica.

Genus *Eucryphycus* Anderson 1988

Eucryphycus Anderson 1988:93 [ref. 6021]. Type species *Maynea californica* Starks & Mann 1911. Type by original designation (also monotypic).

***Eucryphycus californicus* (Starks & Mann 1911)**

Maynea californica Starks & Mann (ex Gilbert) 1911:16 [ref. 4199] (off San Nicolas I., s. California, U.S.A., *Albatross* sta. 4421, 229–298 fm). Holotype: USNM 75819.

DISTRIBUTION: Eastern North Pacific: California.

Genus *Exechodontes* DeWitt 1977

Exechodontes DeWitt 1977:789 [ref. 1124]. Type species *Exechodontes daidaleus* DeWitt 1977. Type by original designation (also monotypic).

***Exechodontes daidaleus* DeWitt 1977**

Exechodontes daidaleus DeWitt 1977:790, Figs. 1–3 [ref. 1124] (Gulf of Mexico off Tampa Bay [not “east-southeast of Tampa Bay”], Florida, U.S.A., *Oregon II* sta. 10632, 27°01'N, 84°55'W, 275 fm). Holotype (unique): USNM 211797.

DISTRIBUTION: Western North Atlantic.

Genus *Hadropogonichthys* Fedorov 1982

Hadropogonichthys Fedorov 1982:722 [ref. 1311]. Type species *Hadropogonichthys lindbergi* Fedorov 1982. Type by original designation (also monotypic).

REMARKS: An undescribed species of *Hadropogonichthys* is known off Japan.

***Hadropogonichthys lindbergi* Fedorov 1982**

Hadropogonichthys lindbergi Fedorov 1982:724 [19 of translation], Figs. 1–2 [ref. 1311] (Fourth Kuril Strait, 49°45.8'N, 155°12.3'E, 600–615 m). Holotype: ZIN 45321.

DISTRIBUTION: Western North Pacific: Okhotsk Sea and Kuril Islands.

Genus *Iluocoetes* Jenyns 1842

Iluocoetes Jenyns 1842:165 [ref. 2344]. Type species *Iluocoetes fimbriatus* Jenyns 1842. Type by monotypy.

Paralycodes Bleeker 1874:369 [ref. 435]. Type species *Lycodes variegatus* Günther 1862. Type by original designation (also monotypic).

Caneolepis Lahille 1908:431 [ref. 5869]. Type species *Caneolepis acropterus* Lahille 1908. Type by monotypy.

***Iluocoetes elongatus* (Smitt 1898)**

Phucocoetes variegatus forma *elongatus* Smitt 1898:44, Pl. 5 [ref. 4147] (Puerto Madryn, 43°S, Argentina, sw. Atlantic). Holotype (unique): NRM 11158.

Phucocoetes variegatus forma *effusus* Smitt 1898:43, Pl. 5 (fig. 32) [ref. 4147] (off R. Grande, Terra del Fuego, Argentina, sw. Atlantic). Syntypes: (2) NRM 11156 (2).

Phucocoetes variegatus forma *micropus* Smitt 1898:43, Pl. 5 (fig. 33) [ref. 4147] (Puerto Gallegos, 51.5°S, Argentina, sw. Atlantic). Syntypes: (2) whereabouts unknown.

DISTRIBUTION: Western South Atlantic.

***Iluocoetes fimbriatus* Jenyns 1842**

Iluocoetes fimbriatus Jenyns 1842:166, Pl. 29 (figs. 2–2a) [ref. 2344] (Chiloé Archipelago, Chile). Holotype (unique): BMNH 1917.7.14.69.

Lycodes variegatus Günther 1862:322 [ref. 1969] (Falkland Is.). Syntypes: BMNH 1842.2.12.1 (2).

Caneolepis acropterus Lahille 1908:431, Pl. 7 (figs. 1–10) [ref. 5869] (Cape San Antonio, Argentina, 60–80 fm). Syntypes: Mus. Nac. Buenos Aires (4, 1 skeleton).

Iluocoetes facali Lloris & Rucabado 1987:54, Fig. 1 [ref. 15955] (Puerto Harberton, Beagle Canal, 54°52'42"S, 67°20'00"W, Tierra del Fuego, Argentina). Holotype (unique): IIPB 114/1987.

DISTRIBUTION: Eastern South Pacific to western South Atlantic off South America.

Genus *Japonolycodes* Shinohara, Sakurai & Machida 2002

Japonolycodes Shinohara, Sakurai & Machida 2002:298 [ref. 25992]. Type species *Davidijordania abei* Matsubara 1936. Type by original designation (also monotypic).

***Japonolycodes abei* (Matsubara 1936)**

Davidijordania abei Matsubara 1936:382, Fig. [ref. 17610] (off coast of Owase, Mie Prefecture, Japan, ca. 200 fm). Holotype: FAKU 1805.

DISTRIBUTION: Western North Pacific: Japan.

Genus *Letholycus* Anderson 1988

Letholycus Anderson 1988:272 [ref. 6334]. Type species *Melanostigma microphthalmus* Norman 1937. Type by original designation.

***Letholycus magellanicus* Anderson 1988**

Letholycus magellanicus Anderson 1988:275, Fig. 1c [ref. 6334] (Argentine slope, 45°59.3'S, 59°57.1'W, 580 m). Holotype: ISH 164/78.

DISTRIBUTION: Western South Atlantic.

***Letholycus microphthalmus* (Norman 1937)**

Melanostigma microphthalmus Norman 1937:110, Fig. 58 [ref. 3227] (south of the Falkland Is., *Discovery* sta. WS248, 52°40'S, 58°30'W, 210–242 m). Holotype: BMNH 1936.8.26.1047.

DISTRIBUTION: Western South Atlantic.

Genus *Lycenchelys* Gill 1884

Lycenchelys Gill 1884:180 [ref. 1725]. Type species *Lycodes muraena* Collett 1878. Type by subsequent designation.

Lycodophis Vaillant 1888:311 [ref. 4496]. Type species *Lycodes albus* Vaillant 1888. Type by monotypy.

Embryx Jordan & Evermann 1898:2456, 2458 [ref. 2445]. Type species *Lycodopsis crotalinus* Gilbert 1890. Type by original designation.

Lyciscus Jordan & Evermann 1899:484 [ref. 2478]. Type species *Lycodopsis crotalinus* Gilbert 1890. Type by monotypy.

Apodolycus Andriashev 1979:29 [ref. 120]. Type species *Apodolycus hureaui* Andriashev 1979. Type by original designation (also monotypic).

***Lycenchelys alba* (Vaillant 1888)**

Lycodes albus Vaillant 1888:309, Pl. 26 (figs. 1–1c) [ref. 4496] (ne. Atlantic between Azores and France, 3,975 m). Lectotype: MNHN 1886-0590 (poor condition).

Lycenchelys labradorensis Geistdoerfer, Hureau & Rannou 1970:452, Fig. 1 [ref. 7739] (Labrador Sea, 58°51.6'N, 53°04.3'W, 3,365 m). Holotype (unique): MNHN 1970-0031.

DISTRIBUTION: North Atlantic.

***Lycenchelys albeola* Andriashev 1958**

Lycenchelys albeolus Andriashev 1958:175, Figs. 1 (no. 1), 2 [ref. 12042] (n. part of Kuril-Kamchatka Trench, 49°49'N, 157°45'E, 3,960–4,070 m). Holotype (unique): ZIN 34668.

DISTRIBUTION: Western North Pacific.

***Lycenchelys albomaculata* Toyoshima 1983**

Lycenchelys albomaculatus Toyoshima in Amaoka et al. 1983:141, Pl. 92; Figs. 16–19 [ref. 8379] (off Kamaishi, Iwate Prefecture, Japan). Holotype: HUMZ 59531.

DISTRIBUTION: Western North Pacific.

***Lycenchelys alta* Toyoshima 1985**

Lycenchelys altus Toyoshima 1985:158, Figs. 14–15, 31d [ref. 5722] (south of Buldir I., Aleutian Is., 52°03.69'N, 175°39.0'E, 336 m). Holotype (unique): HUMZ 88704.

DISTRIBUTION: North Pacific: off western Aleutian Islands.

***Lycenchelys antarctica* Regan 1913**

Lycenchelys antarcticus Regan 1913:242, Pl. 9 (fig. 3) [ref. 3651] (off South Orkney Is., 62°10'S, 41°21'W, 1,775 fm). Holotype (unique): NMSZ 1921.143.0487.

Lycenchelys atacamensis Andriashev 1980:1106, Fig. [ref. 8759] (e. Pacific, Peru-Chile Trench, 5°52'S [or 6°10'S], 81°48'W, 5,300–5,320 m). Holotype (unique): ZIN 44940.

DISTRIBUTION: Eastern South Pacific to Weddell Sea, Antarctica.

***Lycenchelys aratrirostris* Andriashev & Permitin 1968**

Lycenchelys aratrirostris Andriashev & Permitin 1968:614, Figs. 2–4 [ref. 7858] (Scotia Sea, off South Shetland Is., 60°57'S, 54°49'W, Antarctica, 570–583 m). Holotype (unique): ZIN 38342.

DISTRIBUTION: Southern Ocean: western Antarctica.

***Lycenchelys argentina* Marschoff, Torno & Tomo 1977**

Lycenchelys argentinus Marschoff, Torno & Tomo 1977:4, Fig. [ref. 8910] (west of South Orkney Is., 60°39'S, 50°39'W, 2,120 m). Holotype: IAA No. 3.

DISTRIBUTION: Southern Ocean: western Antarctica.

***Lycenchelys aurantiaca* Shinohara & Matsuura 1998**

Lycenchelys aurantiaca Shinohara & Matsuura 1998:151, Figs. 1–3 [ref. 23382] (off Miyagi Prefecture, Honshu, 37°58.54'N, 142°09.00'E to 37°56.84'N, 142°09.07'E, Japan, 700 m). Holotype: NSMT-P 53147.

DISTRIBUTION: Western North Pacific: Japan.

***Lycenchelys bachmanni* Gosztonyi 1977**

Lycenchelys bachmanni Gosztonyi 1977:218, Figs. 10–11 [ref. 6103] (continental slope off Río Negro Prov., Argentina, 41°05'S, 57°15'W, 800 m). Holotype (unique): ISH 306/71.

DISTRIBUTION: Western South Atlantic: Argentina.

***Lycenchelys bellingshauseni* Andriashev & Permitin 1968**

Lycenchelys bellingshauseni Andriashev & Permitin 1968:612, Figs. 1–2 [ref. 7858] (north of South Georgia I., 53°39'S, 36°20'W, 620–640 m). Holotype (unique): ZIN 37878.

DISTRIBUTION: Western South Atlantic.

***Lycenchelys brevimaxillaris* Toyoshima 1985**

Lycenchelys brevimaxillaris Toyoshima 1985:174, Figs. 29–30, 31k [ref. 5722] (Pacific coast of Aomori Prefecture, 41°13'N, 141°44'E, Japan, 690–750 m). Holotype: ACAP 4681 (lost).

DISTRIBUTION: Western North Pacific: Japan.

REMARKS: The types of *L. brevimaxillaris* have been lost (M. Shiogaki, pers. comm.).

***Lycenchelys bullisi* Cohen 1964**

Lycenchelys bullisi Cohen 1964:113, Figs. 1–3 [ref. 1675] (off mouth of Mississippi R., Gulf of Mexico, Oregon sta. 4038, 28°51'N, 88°41'W, 400–410 fm). Holotype: USNM 188232.

DISTRIBUTION: Western North Atlantic.

***Lycenchelys callista* Anderson 1995**

Lycenchelys callista Anderson 1995:61, Fig. 1 [ref. 21928] (off Point Sur, California, U.S.A., 36°15.1'N, 122°15.5'W, 1,580–1,622 m). Holotype: CAS 55412.

DISTRIBUTION: Eastern North Pacific.

***Lycenchelys camchatica* (Gilbert & Burke 1912)**

Lycodes camchaticus Gilbert & Burke 1912:89, Fig. 34 [ref. 1634] (off Avatcha Bay, east coast of Kamchatka, Russia, Albatross sta. 4797, 52°37'30"N, 158°50'E, 682 fm). Holotype: USNM 74396.

DISTRIBUTION: North Pacific.

***Lycenchelys chauliodus* Anderson 1995**

Lycenchelys chauliodus Anderson 1995:66, Fig. 2 [ref. 21928] (off Trujillo, Peru, Anton Bruun sta. 88, 7°58'S, 80°37'W, 1,105–1,124 m). Holotype (unique): LACM 45600-1.

DISTRIBUTION: Eastern South Pacific.

***Lycenchelys cicatrifer* (Garman 1899)**

Lycodes cicatrifer Garman 1899:136, Pl. 31 (fig. 1) [ref. 1540] (off Mariato Point, Panama Bay, Albatross sta. 3360, 6°17'N, 82°5'W, 1,672 fm). Holotype (unique): MCZ 28684 (in 2 pieces).

DISTRIBUTION: Eastern Pacific.

***Lycenchelys crotalinus* (Gilbert 1890)**

Lycodopsis crotalinus Gilbert 1890:105 [ref. 1623] (off Santa Barbara I., Albatross sta. 2980, 33°49'45"N, 119°24'30"W, 603 fm). Holotype (unique): USNM 44279.

Lycodopsis crassilabris Gilbert 1890:106 [ref. 1623] (off s. California, U.S.A., Albatross sta. 2839, 33°08'N, 118°40'W, 414 fm). Holotype (unique): USNM 44280 (deteriorated).

Embryx parallelus Gilbert 1915:360, Pl. 19 (fig. 16) [ref. 1632] (Monterey Bay, California, U.S.A., Albatross sta. 4514, 394–406 fm). Holotype (unique): USNM 75818.

DISTRIBUTION: North Pacific.

***Lycenchelys fedorovi* Anderson & Balanov 2000**

Lycenchelys fedorovi Anderson & Balanov 2000:1056, Figs. 1–2 [ref. 25023] (bank east of Krusenstern Strait, Kuril Is., 47°50'N, 154°25'E, 550 m). Holotype: MIMB 2382.

DISTRIBUTION: Western North Pacific: Kuril Islands.

***Lycenchelys folletti* Anderson 1995**

Lycenchelys folletti Anderson 1995:72, Fig. 4 [ref. 21928] (Guaymas basin, Gulf of California, Mexico, 27°40.0'N, 111°22.6'W, 931–953 m). Holotype: SIO 68-83.

DISTRIBUTION: Eastern North Pacific: Gulf of California.

***Lycenchelys hadrogeneia* Anderson 1995**

Lycenchelys hadrogeneia Anderson 1995:74, Fig. 5 [ref. 21928] (off Gulf of Guayaquil, Ecuador, 2°25'S, 81°10'W, 700–1,000 m). Holotype: CAS 55589.

DISTRIBUTION: Eastern Pacific.

***Lycenchelys hippopotamus* Schmidt 1950**

Lycenchelys hippopotamus Schmidt 1950:106 [93 of translation], Pl. 9 (fig. 1) [ref. 12471] (east coast of Sakhalin, Okhotsk Sea, 53°09'N, 149°52'E, 1,000–1,150 m). Holotype: ZIN 24826.

DISTRIBUTION: Western North Pacific.

***Lycenchelys hureaui* (Andriashev 1979)**

Apodolycus hureaui Andriashev 1979:30 [482 of translation], Figs. 1–2 [ref. 120] (Kerguelen Plateau, 49°36'S, 71°28'E, 610 m). Holotype (unique): ZIN 44333.

DISTRIBUTION: Indian Ocean: Kerguelen Plateau.

***Lycenchelys incisa* (Garman 1899)**

Lycodes incisus Garman 1899:135, Pl. 30 (fig. 2) [ref. 1540] (Panama Bay, off Cape Mala, Albatross sta. 3353, 7°06'15"N, 80°34'00"W, 695 fm). Lectotype: MCZ 28685.

DISTRIBUTION: Eastern Pacific.

***Lycenchelys jordani* (Evermann & Goldsborough 1907)**

Lycodes jordani Evermann & Goldsborough 1907:343, Fig. 120 [ref. 6532] (off Oregon, U.S.A., Albatross sta. 3788, 43°01'00"N, 125°30'00"W, 1,946 m). Holotype: USNM 57828.

DISTRIBUTION: Eastern North Pacific.

***Lycenchelys kolthoffi* Jensen 1904**

Lycenchelys kolthoffi Jensen 1904:88, Pl. 10 (fig. 2) [ref. 15186] (Greenland). No types known.

DISTRIBUTION: Arctic.

***Lycenchelys lonchoura* Anderson 1995**

Lycenchelys lonchoura Anderson 1995:82, Fig. 8 [ref. 21928] (e. South Pacific, northwest of Point Coles, 17°08.5'S, 72°07.4'W, 860 m). Holotype (unique): CAS 58150.

DISTRIBUTION: Eastern South Pacific.

***Lycenchelys maculata* Toyoshima 1985**

Lycenchelys maculatus Toyoshima 1985:149, Figs. 8–9a, 31a [ref. 5722] (off Onahama, Pacific coast of Fukushima Prefecture, Japan, 200–300 m). Holotype: HUMZ 71361.

DISTRIBUTION: Western North Pacific.

***Lycenchelys makushok* Fedorov & Andriashev 1993**

Lycenchelys makushok Fedorov & Andriashev 1993:133 [130 of translation], Figs. 1–2 [ref. 20790] (Kuril-Kamchatka Trench, 44°39'N, 149°02'E, 800 m). Holotype (unique): ZIN 42290.

DISTRIBUTION: Western North Pacific.

***Lycenchelys maoriensis* Andriashev & Fedorov 1986**

Lycenchelys maoriensis Andriashev & Fedorov 1986:24, Figs. 1–2 [ref. 6133] (New Zealand, 44°30'S, 174°23'E, 710–730 m). Holotype: ZIN 45285.

Lycenchelys maoriorum Anderson 1990:12, 15 [ref. 16143] (New Zealand, 44°30'S, 174°23'E, 710–730 m). Holotype: ZIN 45285.

DISTRIBUTION: Western South Pacific.

***Lycenchelys melanostomias* Toyoshima 1983**

Lycenchelys melanostomias Toyoshima in Amaoka et al. 1983:271, Pl. 157; Figs. 25–27 [ref. 8379] (Okhotsk Sea, 44°19.5'N, 145°01'E, 915–925 m). Holotype (unique): HUMZ 77572.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycenchelys micropora* Andriashev 1955**

Lycenchelys microporus Andriashev 1955:367, Figs. 2 (no. 5), 11–12 [ref. 12261] (n. part of central depression of the Bering Sea, 59°43'N, 179°39'E, 3,120 m). Holotype (unique): ZIN 32963.

DISTRIBUTION: Eastern North Pacific.

***Lycenchelys monstrosa* Anderson 1982**

Lycenchelys monstrosa Anderson 1982:208, Figs. 1–2 [ref. 8517] (Gulf of Panama, e. Pacific, 6°52'N, 79°28'W, 3,200–3,229 m). Holotype: USNM 224467.

DISTRIBUTION: Eastern Pacific.

***Lycenchelys muraena* (Collett 1878)**

Lycodes muraena Collett 1878:15 [ref. 21043] (325 km west-southwest of Bodø, Norway, 640 m). Holotype (unique): ZMUO J4538.

DISTRIBUTION: North Atlantic.

***Lycenchelys nanospinata* Anderson 1988**

Lycenchelys nanospinata Anderson 1988:96, Fig. 35 [ref. 7304] (se. basin, Scotia Sea, 59°08'–01'S, 36°57'–50'W, 2,815–2,818 m). Holotype (unique): LACM 10816-2.

DISTRIBUTION: Southern Ocean: Scotia Sea, Antarctica.

***Lycenchelys nigripalatum* DeWitt & Hureau 1979**

Lycenchelys nigripalatum DeWitt & Hureau 1979:812, Figs. 8–9 [ref. 1125] (Bellingshausen Sea, sw. of Adelaide I., 67°40.2'S, 70°16.2'W, 580–650 m). Holotype (unique): MNHN 1974-0086.

DISTRIBUTION: Southern Ocean: Bellingshausen Sea, Antarctica.

***Lycenchelys parini* Fedorov 1995**

Lycenchelys parini Fedorov 1995:126, Figs. 1–2 [ref. 21957] (Kuril-Kamchatka Trench, 44°39.2'N, 149°02.2'E, 800 m). Holotype (unique): ZIN 45796.

DISTRIBUTION: Western North Pacific.

***Lycenchelys paxillus* (Goode & Bean 1879)**

Lycodes paxillus Goode & Bean 1879:44 [ref. 18146] (between Le Have and Sable Island banks, 42°48'N, 63°07'W, 1,200–2,400 ft [stomach content]). Holotype (unique): USNM 22177.

Lycodes paxilloides Goode & Bean 1883:207 [ref. 1838] (Atlantic, 39°50'45"–40°11'40"N, 68°22'00"–70°11'00"W, 304–466 fm). Syntypes: (3) MCZ 25858 (1, in 2 pieces).

Lycenchelys ingolfianus Jensen 1902:210 [ref. 14758] (Davis Strait, 64°54'N, 55°10'W, 393 fm). Holotype (unique): ZMUC 767 [not ZMUC 20].

DISTRIBUTION: Western North Atlantic.

***Lycenchelys pearcyi* Anderson 1995**

Lycenchelys pearcyi Anderson 1995:87, Fig. 10 [ref. 21928] (Cascadia Abyssal Plain, 45°17'N, 126°38.8'W, 2,753 m). Holotype: CAS 81715.

DISTRIBUTION: Eastern North Pacific.

***Lycenchelys pentactina* Anderson 1995**

Lycenchelys pentactina Anderson 1995:90, Fig. 11 [ref. 21928] (off Punta Santa Maria, Peru, 14°44'S, 76°12'W, 1,495–1,430 m). Holotype (unique): ZIN 48392.

DISTRIBUTION: Eastern South Pacific: Peru

***Lycenchelys pequenoi* Anderson 1995**

Lycenchelys pequenoi Anderson 1995:91, Fig. 12 [ref. 21928] (west of Lobos de Tierra I., Peru, 6°26'S, 80°05'W, 1,025 m). Holotype: LACM 44132-1.

DISTRIBUTION: Eastern South Pacific: Peru and Chile.

***Lycenchelys peruana* Anderson 1995**

Lycenchelys peruana Anderson 1995:93, Fig. 13 [ref. 21928] (off Trujillo, Peru, 7°59'S, 80°37'W, 991–1,015 m). Holotype: LACM 45998-1.

DISTRIBUTION: Eastern South Pacific: Peru.

***Lycenchelys platyrhina* (Jensen 1902)**

Lycodes platyrhinus Jensen 1902:208 [ref. 14758] (Jan Mayen to Iceland, 67°53'N, 10°19'W, 1,010 fm). Holotype: ZMUC 119.

DISTRIBUTION: Arctic: north of Iceland.

***Lycenchelys plicifera* Andriashev 1955**

Lycenchelys pliciferus Andriashev 1955:372, Figs. 2 (no. 7), 15–16 [ref. 12261] (northeast of Medny I., southwest part of central depression of the Bering Sea, ca. 56°55'N, 174°20'E, 3,820–3,830 m). Holotype: ZIN 32961 (130 mm).

Lycenchelys birsteini Andriashev 1958:178, Figs. 1 (no. 3), 4 [ref. 12042] (n. part of Kuril-Kamchatka Trench, 49°49.5'S, 157°45'E, 3,960–4,070 m). Holotype: ZIN 34669 (191 mm).

DISTRIBUTION: Western North Pacific.

***Lycenchelys porifer* (Gilbert 1890)**

Lycodes porifer Gilbert 1890:104 [ref. 1623] (off Baja California, Gulf of California, Mexico, *Albatross* sta. 3009, 27°09'00"N, 111°42'00"W, 857 fm). Holotype (unique): USNM 44384.

Lycodes anguis Garman 1899:133, Pl. 30 (fig. 1) [ref. 1540] (Gulf of California, Mexico, *Albatross* sta. 3435, 26°48'N, 110°45'W, 1,571 m). Lectotype: MCZ 115068 [ex MCZ 28687].

Lycodes serpens Garman 1899:134 [ref. 1540] (off Gulf of California, *Albatross* sta. 3436, 27°34'N, 110°53'40"W, 905 fm). Holotype: MCZ 28686.

DISTRIBUTION: Eastern Pacific: Gulf of California to Peru.

***Lycenchelys rassi* Andriashev 1955**

Lycenchelys rassi Andriashev 1955:359, Figs. 2 (no. 2), 5–6 [ref. 12261] (east of northern Sakhalin, Okhotsk Sea, 54°28'N, 145°21'E, 1,500 m). Holotype (unique): ZIN 32962.

DISTRIBUTION: North Pacific: Bering Sea to Okhotsk Sea.

***Lycenchelys ratmanovi* Andriashev 1955**

Lycenchelys ratmanovi Andriashev 1955:355, Figs. 2 (no. 1), 3–4 [ref. 12261] (Avachinsk Bay, se. Kamchatka, 52°40.8'N, 159°13'E, 800–1,000 m). Holotype: ZIN 32957 [ex ZIN 30012].

Lycenchelys longirostris Toyoshima 1985:166, Figs. 22–23, 31g [ref. 5722] (Bering Sea, 58°33.16'N, 175°05.3'W, 895–910 m). Holotype: HUMZ 81914.

DISTRIBUTION: North Pacific: Bering Sea to northern Kuril Islands.

***Lycenchelys remissaria* Fedorov 1995**

Lycenchelys remissaria Fedorov 1995:130, Figs. 1–2 [ref. 21958] (Japan, 36°54.4'N, 141°45.7'E, 1,080 m). Holotype (unique): ZIN 50586.

DISTRIBUTION: Western North Pacific: Japan.

***Lycenchelys rosea* Toyoshima 1985**

Lycenchelys roseus Toyoshima 1985:152, Figs. 10–11, 31b [ref. 5722] (Bering Sea, 52°49.13'N, 171°01.91'W, 750 m). Holotype: HUMZ 88487.

DISTRIBUTION: North Pacific: Aleutian Islands, Bering Sea.

***Lycenchelys sarsii* (Collett 1871)**

Lycodes sarsii Collett 1871:62 [3 of separate], Pl. [ref. 18017] (Utne, Hardanger Fjord, sw. coast of Norway, 188–282 m). Holotype (unique): ZMUO J4555.

Lycenchelys sarsi var. *septentrionalis* Knipowitsch 1906:4, Figs. 1–3 [ref. 15661] (w. coast of Kola Peninsula, Russia). Lectotype: ZIN 13360.

DISTRIBUTION: North Atlantic and Arctic: Kola Peninsula to western Greenland.

***Lycenchelys scaurus* (Garman 1899)**

Lycodopsis scaurus Garman 1899:132, Pl. 32 (fig. 1) [ref. 1540] (off Bay of Panama, *Albatross* sta. 3384, 7°31'30"N, 79°14'00"W, 458 fm). Holotype (unique): MCZ 28689.

DISTRIBUTION: Eastern Pacific.

***Lycenchelys squamosa* Toyoshima 1983**

Lycenchelys squamosus Toyoshima in Amaoka et al. 1983:145, Pl. 93; Figs. 20–22 [ref. 8379] (off Miyagi Prefecture, Japan Sea, 37°55.4'N, 142°24.5'E, 1,005 m). Holotype: HUMZ 78464.

DISTRIBUTION: Western North Pacific: Japan.

***Lycenchelys tohokuensis* Anderson & Imamura 2002**

Lycenchelys tohokuensis Anderson & Imamura 2002:355, Figs. 1–2 [ref. 26499] (off Fukushima Prefecture, Japan, 37°31.6'N, 142°12.4'E to 37°32.9'N, 142°13.3' E, 697–709 m). Holotype: HUMZ 156757.

DISTRIBUTION: Western North Pacific: off Pacific coast of northern Japan.

***Lycenchelys tristichodon* DeWitt & Hureau 1979**

Lycenchelys tristichodon DeWitt & Hureau 1979:816, Fig. 10 [ref. 1125] (Bellingshausen Sea, west of Adelaide I., 67°15.6'S, 70°12.0'W, 630–650 m). Holotype (unique): MNHN 1974-0087.

DISTRIBUTION: Southern Ocean: Bellingshausen Sea, Antarctica.

***Lycenchelys uschakovi* Andriashev 1958**

Lycenchelys uschakovi Andriashev 1958:176, Figs. 1 (no. 2), 3 [ref. 12042] (n. part of Kuril-Kamchatka Trench, 49°49'N, 157°45'E, 3,960–4,070 m). Holotype (unique): ZIN 34670.

DISTRIBUTION: Western North Pacific.

***Lycenchelys verrillii* (Goode & Bean 1877)**

Lycodes verrillii Goode & Bean 1877:474 [ref. 18128] (30 miles south of Cape Negro, Nova Scotia, Canada, 90 fm). Lectotype: USNM 21013.

DISTRIBUTION: Western North Atlantic.

***Lycenchelys vitiazi* Andriashev 1955**

Lycenchelys vitiazi Andriashev 1955:371 [ref. 12261] (Kuril-Kamchatka Trench near Paramushiro I., 50°00'N, 157°40'E, 2,450 m). Holotype (unique): ZIN 33747.

DISTRIBUTION: Western North Pacific.

***Lycenchelys volki* Andriashev 1955**

Lycenchelys volki Andriashev 1955:369, Figs. 2 (no. 6), 13–14 [ref. 12261] (about 130 miles north of Medny I., sw. Bering Sea, 57°03'N, 168°29'E, 3,940 m). Holotype (unique): ZIN 32964.

DISTRIBUTION: North Pacific: western Bering Sea.

***Lycenchelys wilkesi* Anderson 1988**

Lycenchelys wilkesi Anderson 1988:100, Fig. 37 [ref. 7304] (Bransfield Strait, Antarctica, 62°07'S, 55°58'W, 1,113–1,153 m). Holotype (unique): LACM 10476-2.

DISTRIBUTION: Southern Ocean: Antarctic Peninsula.

***Lycenchelys xanthoptera* Anderson 1991**

Lycenchelys xanthoptera Anderson 1991:152, Figs. 1–2 [ref. 20019] (Weddell Sea, off Kapp Norvegia, Queen Maud Land, Antarctica, 71°06.2'S, 12°53.8'W to 71°05.7'S, 12°58.4'W, 771–793 m). Holotype: MNHN 1900-1023.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica.

Genus *Lycodapus* Gilbert 1890

Lycodapus Gilbert 1890:107 [ref. 1623]. Type species *Lycodapus fierasfer* Gilbert 1890. Type by original designation (also monotypic).

***Lycodapus antarcticus* Tomo 1982**

Lycodapus antarcticus Tomo 1982:84, Figs. 63–64 [ref. 20550] (off South Orkney Is.). Holotype (unique): IAA 5.

DISTRIBUTION: Southern Ocean: subantarctic, South Shetland and South Orkney islands to Kerguelen Plateau and southerly seamounts.

***Lycodapus australis* Norman 1937**

Lycodapus australis Norman 1937:110, Fig. 59 [ref. 3227] (Strait of Magellan, *Discovery* sta. WS748, 53°41'30"S, 70°55'00"W, Chile). Holotype: BMNH 1936.8.26.1048.

DISTRIBUTION: Eastern South Pacific.

***Lycodapus derjugini* Andriashev 1935**

Lycodapus derjugini Andriashev 1935:422, Fig. [ref. 13869] (Ozernovski Bay, ne. Kamchatka, Russia, Bering Sea, 57°31'N, 163°14'E). Holotype: ZIN 25107.

DISTRIBUTION: Western North Pacific: Bering Sea.

***Lycodapus dermatinus* Gilbert 1896**

Lycodapus dermatinus Gilbert 1896:471, Pl. 35 (middle) [ref. 1628] (off California coast, *Albatross* sta. 3162, 37°54'10"N, 123°30'00"W, 552 fm). Holotype (unique): USNM 53035.

DISTRIBUTION: Eastern Pacific.

***Lycodapus endemoscotus* Peden & Anderson 1978**

Lycodapus endemoscotus Peden & Anderson 1978:1936, Fig. 14 [ref. 8895] (North Pacific, 45°44.4'N, 125°26.6'W, 2,225 m). Holotype: USNM 216471.

DISTRIBUTION: North Pacific: British Columbia to northern Baja California; Okhotsk Sea.

***Lycodapus fierasfer* Gilbert 1890**

Lycodapus fierasfer Gilbert 1890:108 [ref. 1623] (Gulf of California, *Albatross* sta. 3010, 27°23'45"N, 111°25'00"W, 1,105 fm). Lectotype: SU 845.

Lycodapus grossidens Gilbert 1915:373 [ref. 1632] (Bering Sea, *Albatross* sta. 3483, 57°18'00"N, 171°18'00"W, 56 fm). Holotype: USNM 75824.

DISTRIBUTION: Eastern Pacific.

***Lycodapus leptus* Peden & Anderson 1981**

Lycodapus leptus Peden & Anderson 1981:671, Fig. 5 [ref. 5531] (Bering Sea, 59°00.3'N, 178°21.6'W, 568–590 m). Holotype: USNM 222660 (emaciated).

DISTRIBUTION: North Pacific: Bering Sea.

***Lycodapus mandibularis* Gilbert 1915**

Lycodapus mandibularis Gilbert 1915:369, Pl. 20 (fig. 20) [ref. 1632] (Monterey Bay, California, U.S.A., *Albatross* sta. 4533, 36°40.2'N, 122°06.0'W, 144–293 fm). Holotype: USNM 75823.

Lycodapus lycodon Gilbert 1915:371, Pl. 21 (fig. 21) [ref. 1632] (Monterey Bay, California, U.S.A., *Albatross* sta. 4509, 152–286 fm). Holotype (unique): USNM 75822.

Lycodapus attenuatus Gilbert 1915:372, Pl. 21 (fig. 22) [ref. 1632] (Monterey Bay, California, U.S.A., *Albatross* sta. 4461, 285–357 fm). Holotype (unique): USNM 75821.

DISTRIBUTION: Eastern North Pacific.

***Lycodapus microchir* Schmidt 1950**

Lycodapus microchir Schmidt 1950:108 [95 of translation], Pl. 10 (fig. 1) [ref. 12471] (near e. shore Sakhalin, 52°47'30"N, 144°51'E, Okhotsk Sea, 1,150 m). Holotype: ZIN 24848.

DISTRIBUTION: Western North Pacific.

***Lycodapus pachysoma* Peden & Anderson 1978**

Lycodapus pachysoma Peden & Anderson 1978:1946 [on p. 1944 of corrected pages distributed by the authors], Fig. 16 [ref. 8895] (North Pacific, 43°23'00"N, 125°18'30"W, 2,000 m). Holotype: USNM 216468.

DISTRIBUTION: Eastern Pacific and Southern Ocean: British Columbia to Oregon; Scotia Sea and subantarctic sector of Indian Ocean (Kerguelen Plateau).

***Lycodapus parviceps* Gilbert 1896**

Lycodapus parviceps Gilbert 1896:455 [ref. 1628] (north of Unalaska, *Albatross* sta. 3324, 53°33'50"N, 167°46'50"W, 0–109 fm). Holotype (unique): USNM 48631.

DISTRIBUTION: Eastern North Pacific: Aleutian Islands to Washington.

***Lycodapus poecilus* Peden & Anderson 1981**

Lycodapus poecilus Peden & Anderson 1981:673, Fig. 6 [ref. 5531] (Bering Sea, 58°32'02"N, 176°06'21"W, 497–539 m). Holotype: USNM 222663.

DISTRIBUTION: North Pacific: Bering and Okhotsk seas.

***Lycodapus psarostomatus* Peden & Anderson 1981**

Lycodapus psarostomatus Peden & Anderson 1981:668, Fig. 4 [ref. 5531] (Bering Sea, 59°53.83'N, 178°57.12'W, 564–580 m). Holotype: USNM 221057.

DISTRIBUTION: Eastern North Pacific.

Genus *Lycodes* Reinhardt 1831

Lycodes Reinhardt 1831:18 [ref. 6533]. Type species *Lycodes vahlii* Reinhardt 1831. Type by monotypy.

Lycodalepis Bleeker 1874:369 [ref. 435]. Type species *Lycodes mucosus* Richardson 1855. Type by original designation (also monotypic).

Lycodopsis Collett 1879:382 [ref. 886]. Type species *Lycodes pacificus* Collett 1879. Type by monotypy.

Leurynnis Lockington 1879:102 [ref. 20592]. Type species *Leurynnis paucidens* Lockington 1879. Type by monotypy.

Aprodon Gilbert 1890:106 [ref. 1623]. Type species *Aprodon corteziana* Gilbert 1890. Type by original designation (also monotypic).

Furcella Jordan & Evermann 1896:480 [ref. 2442]. Subgenus of *Lycenchelys*. Type species *Lycodes diapterus* Gilbert 1892. Type by original designation (also monotypic).

Lycias Jordan & Evermann 1898:2461, 2468 [ref. 2445]. Subgenus of *Lycodes*. Type species *Lycodes seminudus* Reinhardt 1837. Type by original designation.

Furcimanus Jordan & Evermann 1898:2456, 2472 [ref. 2445]. Type species *Lycodes diapterus* Gilbert 1892. Type by being a replacement name.

Petroschmidtia Taranetz & Andriashev 1934:507 [ref. 4338]. Type species *Petroschmidtia albo-notata* Taranetz & Andriashev 1934. Type by original designation (also monotypic).

REMARKS: *Furcella* Jordan & Evermann 1896 is preoccupied by *Furcella* Lamarck 1801 in Mollusca and was replaced by *Furcimanus* Jordan & Evermann 1898.

***Lycodes adolfi* Nielsen & Fosså 1993**

Lycodes adolfi Nielsen & Fosså 1993:39, Figs. 1–2 [ref. 20655] (Greenland, 68°49'N, 19°44'W, 1,371–1,380 m). Holotype: ZMUC P761186.

DISTRIBUTION: Arctic: Greenland to Iceland.

***Lycodes albolineatus* Andriashev 1955**

Lycodes albolineatus Andriashev 1955:397, Figs. 4–6 [ref. 9472] (near Cape Lopatka, se. coast of Kamchatka, North Pacific, 241–270 m). Holotype: ZIN 34582.

DISTRIBUTION: Western North Pacific.

***Lycodes albonotatus* (Taranetz & Andriashev 1934)**

Petroschmidtia albonotata Taranetz & Andriashev 1934:507, Figs. 1–2 [ref. 4338] (Okhotsk Sea, 56°35' to 56°37'N, 142°46' to 142°48'E, 202–220 m). Holotype: ZIN 24607.

DISTRIBUTION: Western North Pacific.

REMARKS: Four of the original six types were found, with one paratype as ZIN 24606 and the putative holotype mixed with two paratypes now as ZIN 24607.

***Lycodes brevipes* Bean 1890**

Lycodes brevipes Bean 1890:38 [ref. 229] (between Unga I. and Nagai I., Aleutian Is., Alaska, U.S.A., Albatross sta. 2848, 55°10'00"N, 160°18'00"W, 110 fm). Lectotype: USNM 45362.

Lycodes brevipes diapteroides Taranetz & Andriashev in Andriashev 1937:253 [ref. 15268] (Bering Sea and Bering Sea at 62°08'N, 178°32'W, 98 m). Syntypes: ZIN 26886 (1), 30011 (3).

Lycodes brevipes ochotensis Schmidt 1950:89 [76 of translation] [ref. 12471] (east coast of Sakhalin, 53°17'N, 144°10'E, Okhotsk Sea, 165 m). Holotype (unique): ZIN 25271.

DISTRIBUTION: North Pacific.

***Lycodes brunneofasciatus* Suvorov 1935**

Lycodes brunneofasciatus Suvorov 1935:437 [English on p. 440], Fig. 3 [ref. 4300] (w. Kamchatka, Russia, 53°35'N, 154°22'E, Okhotsk Sea, 250 m). Holotype (unique): ZIN 25074.

DISTRIBUTION: Western North Pacific.

***Lycodes caudimaculatus* Matsubara 1936**

Lycodes caudimaculatus Matsubara 1936:115, Fig. 1 [ref. 13718] (off Owase, Mie Prefecture, Japan, 80–160 fm). Holotype: not at FAKU.

DISTRIBUTION: Western North Pacific: Japan.

***Lycodes concolor* Gill & Townsend 1897**

Lycodes concolor Gill & Townsend 1897:233 [ref. 1749] (Bering Sea, *Albatross* sta. 3608, 55°19'00"N, 168°11'00"W, 276 fm). Holotype (unique): USNM 48764.

Lycodes andriashevi Fedorov 1966:160, Figs. 1–2 [ref. 20765] (Bering Sea, 54°26'N, 116°[sic]13'W, 550 m). Holotype (unique): ZIN 37515.

DISTRIBUTION: North Pacific.

***Lycodes cortezianus* (Gilbert 1890)**

Aprodon corteziana Gilbert 1890:107 [ref. 1623] (Cortez Banks off San Diego, California, U.S.A., *Albatross* sta. 2948, 33°53'30"N, 119°41'30"W, 266 fm). Lectotype: USNM 46457.

DISTRIBUTION: Eastern Pacific.

***Lycodes diapterus* Gilbert 1892**

Lycodes diapterus Gilbert 1892:564 [ref. 1626] (off California, *Albatross* sta. 2896, 33°55'30"N, 120°28'00"W, 376 fm). Lectotype: USNM 44385.

Lycodes (Furcimanus) diapterus beringi Andriashev 1935:115, Fig. 1 [ref. 13870] (Cape Yushin, Bering I., Bering Sea, about 200 m and 200–235 m). Syntypes: ZIN 29850 (17), 34838 (4).

DISTRIBUTION: North Pacific.

***Lycodes esmarkii* Collett 1875**

Lycodes esmarkii Collett 1875:95 [ref. 884] (Varanger Fjord, n. Norway). Syntypes: BMNH 1890.11.1.1 (1) from Collett; MNHN 1890–0369 [ex ZMUO] (1); ZMUO J4496 (1), J4498 (1).

Lycodes vachonii Vladykov & Tremblay 1936:23, Pls. 1 (figs. 3, 4), 2 (fig. 5) [ref. 11811] (St. Lawrence R. estuary, Canada). Syntypes: (5) whereabouts unknown.

DISTRIBUTION: North Atlantic.

***Lycodes eudipleurostictus* Jensen 1902**

Lycodes eudipleurostictus Jensen 1902:206 [ref. 14758] (Faroe Is. to Spitsbergen, n. Atlantic, 350–471 fm). Syntypes: NRM 25527 (1); ZMUC 7, 138; ZMUO (4).

DISTRIBUTION: Arctic and North Atlantic.

***Lycodes fasciatus* (Schmidt 1904)**

Lycenchelys fasciatus Schmidt 1904:203, Pl. 6 (fig. 2) [ref. 3946] (Aniva Bay, Sakhalin I., Russia, Okhotsk Sea, 126–161 ft [17–22 Russian fm]). Syntypes: ZIN 12446 (1, lost), 13092–93 (1, 1).

Lycodes palearis multifasciatus Schmidt 1950:95 [82 of translation], Pl. 7 (fig. 2) [ref. 12471] (west coast of Kamchatka, Russia, opposite the mouths of the Ozernaya and Bol'shaya rivers, Okhotsk Sea, 97–250 m). Syntypes: ZIN 19167 (3).

DISTRIBUTION: Western North Pacific.

***Lycodes frigidus* Collett 1879**

Lycodes frigidus Collett 1879:45 [ref. 885] (Bear I. and Spitsbergen, Arctic Ocean, 475–2,438 m).
 Syntypes: BMNH 1885.12.2.1 (1) from Collett; MNHN 1890-0370 (1); NMW 77810 (1);
 USNM 22977 (1), ZMUB 1688 (1), 2223 (1); ZMUC 24 (1); ZMUO J4517-22 (6), plus 1
 destroyed and some not traced.

DISTRIBUTION: Arctic Ocean.

***Lycodes fulvus* Toyoshima 1985**

Lycodes fulvus Toyoshima 1985:216, Fig. 52 [ref. 5722] (Okhotsk Sea, 55°19'N, 142°34'E,
 178 m). Holotype: HUMZ 60246.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes gracilis* Sars 1867**

Lycodes gracilis Sars 1867:40, 45, Pl. 1 (figs. 1–3) [ref. 18657] (Drøbaksundet, Oslo Fjord,
 Norway, 94–113 m). Holotype: ZMUO J4525.

Lycodes lugubris Lütken 1880:315 [ref. 19479] (Iceland). Syntypes: ZMUC 10 (1), 11 (skeleton),
 13 (1), 14 (1).

Lycodes vahli var. *septentrionalis* Knipowitsch 1906:95 [ref. 15661] (Barents Sea, Russia).
 Syntypes: ZIN 13437–71 (1 lost, 1 lost, 1, 3, 3, 1, 2, 1 lost, 3, 1, 1, 1, 1 lost, 2, 3, 1, 1, 1 lost,
 1, 1 lost, 2 lost, 3, 2, 1 lost, 1, 1 lost, 1 lost, 1, 1, 1, 2, 1, 1, 1, 4), 14248 (1).

DISTRIBUTION: Arctic and North Atlantic: southern Barents Sea to southern Scandinavia,
 Svalbard Archipelago, off Iceland and in Denmark Strait.

***Lycodes heinemanni* Soldatov 1916**

Lycodes heinemanni Soldatov 1916:215, Fig. [ref. 15428] (n. Okhotsk Sea, 58°17'N, 143°15'W,
 60 m). Syntypes: ZIN 19169 (3).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes hubbsi* Matsubara 1955**

Lycodes hubbsi Matsubara 1955:776 [ref. 18463] (off Kinkazan and Kushiro, Japan). No types known.
Lycodes (Furcimanus) taranetzi Andriashev in Lindberg & Krasnyukova 1975:152, Fig. 119a [ref.
 7348] (Pacific side of Iturup I., Kuril Is., 415 m). Holotype: ZIN 42247.

DISTRIBUTION: Western North Pacific.

***Lycodes japonicus* Matsubara & Iwai 1951**

Lycodes japonicus Matsubara & Iwai 1951:368, Figs. 1–3 [ref. 12785] (near the sea-coast of
 Uozu, southeast of Toyama Bay, Japan, 303 m). Holotype: FAKU 13117 (not found).

DISTRIBUTION: Western North Pacific.

***Lycodes jenseni* Taranetz & Andriashev 1935**

Lycodes jenseni Taranetz & Andriashev 1935:243, Figs. 1–2 [ref. 15744] (Okhotsk Sea, east of
 Sakhalin I., 50°03'N, 144°08'E). Holotype: ZIN 24836.

DISTRIBUTION: Western North Pacific.

***Lycodes jugoricus* Knipowitsch 1906**

Lycodes jugoricus Knipowitsch 1906:18, Figs. 4–5 [ref. 15661] (Proliv Yugorskiy Shar, strait
 between Kara Sea and Barents Sea, Novaya Zemlya, Russia, 9 m). Holotype (unique): ZIN
 13506.

DISTRIBUTION: Arctic Ocean.

***Lycodes lavalaei* Vladykov & Tremblay 1936**

Lycodes lavalaei Vladykov & Tremblay 1936:31, Pls. 4 (fig. 9), 5 (figs. 10–11) [ref. 11811] (Gulf of Saint Lawrence and Newfoundland, Canada). Syntypes: (11) NMC 60-157 (1), 60-158 (1).

DISTRIBUTION: Western North Atlantic.

***Lycodes luetkenii* Collett 1880**

Lycodes luetkenii Collett 1880:103, Pl. 3 (fig. 25) [ref. 887] (115 km west of Norskøerne, Spitsbergen, North Atlantic, 459 fm). Holotype (unique): ZMUO J4536.

DISTRIBUTION: Arctic and North Atlantic: Spitsbergen to Greenland.

***Lycodes macrochir* Schmidt 1937**

Lycodes macrochir Schmidt in Taranetz 1937:162, 164 [ref. 13384] (Okhotsk Sea). Holotype (unique): ZIN 29142.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes macrolepis* Taranetz & Andriashev 1935**

Lycodes macrolepis Taranetz & Andriashev 1935:251, Figs. 6–7 [ref. 15744] (Okhotsk Sea, northwest of Iony [Saint Jona] I., 57°02'N, 141°40'E, 147 m). Syntypes: ZIN 24837 (3).

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Lycodes marisalbi* Knipowitsch 1906**

Lycodes marisalbi Knipowitsch 1906:48, Figs. 9–12 [ref. 15661] (White Sea, Russia, 65°13'N, 39°07'E, 91 m). Lectotype: ZIN 40511.

DISTRIBUTION: Arctic Ocean.

***Lycodes matsubarae* Toyoshima 1985**

Lycodes matsubarae Toyoshima 1985:218, Fig. 53 [ref. 5722] (Kitami-yamato Bank, 44°47'N, 144°01.5'E, Okhotsk Sea, 200 m). Holotype: HUMZ 33970.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes mcallisteri* Møller 2001**

Lycodes mcallisteri Møller 2001:112, Figs. 2–4 [ref. 25378] (w. Baffin Bay, 70°02'N, 65°32'W, e. Arctic Canada, 579 m). Holotype: ZMUC P764746.

DISTRIBUTION: Arctic: Baffin Bay to Hudson Strait, Canada.

***Lycodes microlepidotus* Schmidt 1950**

Lycodes microlepidotus Schmidt 1950:91 [78 of translation], Pl. 6 (fig. 1) [ref. 12471] (east coast of Sakhalin and west coast of Kamchatka, Russia, Okhotsk Sea). Syntypes: ZIN 24827 (4), 24844 (1), 25268 (1).

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes microporus* Toyoshima 1983**

Lycodes microporus Toyoshima in Amaoka et al. 1983:263, Pl. 152: Figs. 23–24 [ref. 8379] (Okhotsk Sea, 44°11'N, 144°47'E, 650–700 m). Holotype: HUMZ 77795.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes mucosus* Richardson 1855**

Lycodes mucosus Richardson 1855:362, Pl. 26 [ref. 18631] (Northumberland Sound, Perry I., Arctic Canada). Syntypes: (2) BMNH 1855.9.19.760.

Lycodes coccineus Bean 1881:144 [ref. 223] (Big Diomedea I. [Russia], Bering Strait). Holotype (unique): USNM 27748.

Lycodes knipowitschi Popov 1931:138, Pl. 2 (fig. 4); Fig. 1 [ref. 5702] (Okhotsk Sea, 59°31.2'N, 150°29.9'E, 40 m). Syntypes: ZIN 30009 (1 + 2 juv.).

Lycodes knipowitschi panthera Schmidt 1950:103 [89 of translation], Pl. 8 (fig. 2) [ref. 12471] (bank northeast of Iony [Saint Jona] I., Okhotsk Sea, 35–75 m). Syntypes: ZIN 24839 (2), 24842 (1).

DISTRIBUTION: Arctic and North Pacific.

***Lycodes nakamurae* (Tanaka 1914)**

Furcimanus nakamurae Tanaka 1914:303, Pl. 82 (fig. 276) [ref. 14935] (off Niigata, Japan, Japan Sea). Holotype (unique): ZUMT (lost).

DISTRIBUTION: Western North Pacific.

***Lycodes obscurus* Toyoshima 1985**

Lycodes obscurus Toyoshima 1985:235, Figs. 65–66 [ref. 5722] (s. Okhotsk Sea, 44°59.7'N, 144°21.2'E, 340 m). Holotype: HUMZ 76006.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes ocellatus* Toyoshima 1985**

Lycodes ocellatus Toyoshima 1985:223, Fig. 57 [ref. 5722] (off Kushiro, e. coast of Hokkaido, Japan, 600 m). Holotype: HUMZ 36817.

DISTRIBUTION: Western North Pacific.

***Lycodes paamiuti* Møller 2001**

Lycodes paamiuti Møller 2001:977, Figs. 4–5 [ref. 25812] (Davis Strait, 66°25'N, 57°04'W, Atlantic Ocean, 678 m). Holotype: ZMUC P762724.

DISTRIBUTION: North Atlantic and Arctic: Davis Strait to Greenland and Norwegian seas.

***Lycodes pacificus* Collett 1879**

Lycodes pacificus Collett 1879:381, Fig. [ref. 886] (said to be from Japan). Holotype (unique): ZMB 8280.

Leurynnis paucidens Lockington 1879:102 [ref. 20592] (off San Francisco, California, U.S.A.). Lectotype: USNM 23502.

DISTRIBUTION: Eastern North Pacific.

***Lycodes palearis* Gilbert 1896**

Lycodes palearis Gilbert 1896:454 [ref. 1628] (Bristol Bay, Alaska, U.S.A., *Albatross* sta. 3253, 57°05'50"N, 164°27'15"W, 36 fm, and sta. 3254, 56°50'00"N, 164°27'50"W, 46 fm). Syntypes: SU 3165 (1), 3486 (1); USNM 48592 (1).

Lycodes digitatus Gill & Townsend 1897:232 [ref. 1749] (Bering Sea, *Albatross* sta. 3541, 56°14'00"N, 164°08'00"W, 49 fm). Holotype (unique): USNM 48765.

Lycodes palearis arcticus Taranetz & Andriashev in Andriashev 1937:333, Pl. 1 (figs. 9–10) [ref. 20242] (Gulf of Anadyr, Bering Sea and Chukchi Sea, 84–110 m). Syntypes: ZIN 26885 (1), 29985 (5).

DISTRIBUTION: North Pacific and Arctic: Kamchatka and Oregon to Chukchi Sea.

***Lycodes pallidus* Collett 1879**

Lycodes pallidus Collett 1879:70 [ref. 885] (west of Norskøyane, Spitsbergen, 475 and 839 m). Syntypes: ZMUO J4540 (1), J4541 (1).

Lycodes similis Jensen 1902:205 [ref. 14758] (Jan Mayen, ne. Atlantic, 371 fm). Syntypes: ZMUC 220–234 (25).

Lycodes attenuatus Knipowitsch 1906:73, Figs. 13–14 [ref. 15661] (Laptev Sea, Russia, 75°–77°N, 114°–139°E [3 stations], 19–38 m). Syntypes: ZIN 14249–51 (1, 1, 1).

DISTRIBUTION: Arctic Ocean: circumpolar.

REMARKS: Møller (2001:985 [ref. 25812]) gives different catalog numbers for *L. similis*.

***Lycodes paucilepidotus* Toyoshima 1985**

Lycodes paucilepidotus Toyoshima 1985:196, Fig. 43 [ref. 5722] (n. Okhotsk Sea, 58°33'N, 147°25'E, 138 m). Holotype: HUMZ 58117.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes pectoralis* Toyoshima 1985**

Lycodes pectoralis Toyoshima 1985:228, Fig. 60 [ref. 5722] (s. Okhotsk Sea, 45°37'N, 143°53'E, 290–480 m). Holotype: HUMZ 49083.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

***Lycodes polaris* Sabine 1824**

Blennius polaris Sabine 1824:212 [ccxii] [ref. 18649] (North Georgia, Boothia Peninsula, Northwest Territories, Canada). No types known.

Lycodes agnostus Jensen 1902:209 [ref. 14758] (Kara-Havet, 46–100 fm). Syntypes: ZMUC 3, 6, 11, 16, 20, 22, 24–27, 29.

Lycodes turneri atlanticus Vladykov & Tremblay 1936:38, Pl. 7 (figs. 14–16) [ref. 11811] (Saint Lawrence R. estuary, Quebec, Canada). Syntypes: (18) NMC 60-160 (1).

DISTRIBUTION: Arctic, North Atlantic, and North Pacific: circumpolar and south to Gulf of St. Lawrence and northern Bering Sea.

***Lycodes raridens* Taranetz & Andriashev 1937**

Lycodes raridens Taranetz & Andriashev in Andriashev 1937:335, Figs. 13–14 [ref. 20242] (Chukchi, Bering, and Okhotsk seas). Syntypes: ZIN 23757 (1), 24845 (6), 25071 (1), 29999 (2), 30007–08 (2, 1), 30010 (1).

DISTRIBUTION: North Pacific and Arctic.

***Lycodes reticulatus* Reinhardt 1835**

Lycodes reticulatus Reinhardt 1835:7 [ref. 3695] (Greenland). Syntypes: ZMUC 17 (1) Umanak, ZMUC 21 (1) Fiskenaeset.

Lycodes perspicillum Krøyer 1845:140 [ref. 19477] (Newfoundland, Canada). Syntypes: ZMUC 23 (1) Greenland, ZMUC (1 lost).

Lycodes reticulatus var. *macrocephalus* Jensen 1904:258, Pl. 13 (figs. 2a–b) [ref. 20203] (e. Greenland). Syntypes: (11) whereabouts unknown.

Lycodes reticulatus hacheyi Vladykov 1933:25 [ref. 23244] (Hudson Bay, Canada). Syntypes: (2) whereabouts unknown.

Lycodes reticulatus laurentianus Vladykov & Tremblay 1936:34, Pls. 5 (fig. 11), 6 (fig. 12) [ref. 11811] (Saint Lawrence R. estuary, Quebec, Canada). Syntypes: (8) NMC 60-159 (1).

DISTRIBUTION: North Atlantic and Arctic.

***Lycodes rossi* Malmgren 1865**

Lycodes rossi Malmgren 1865:516 [ref. 17598] (Treurenberg Bay, Spitsbergen, 5 fm). Holotype: NHR.

Lycodes celatus Jensen 1902:208 [ref. 14758] (Kara-Havet, 59 fm). Syntypes: ZMUC.

Lycodes celatus var. *spitzbergensis* Jensen 1902:209 [ref. 14758] (Spitsbergen, Arctic regions, 39–75 fm). No types known.

DISTRIBUTION: Arctic: Canada to Kara Sea.

REMARKS: Sometimes seen spelled *rossii*, but *rossi* is the correct original spelling.

***Lycodes sadoensis* Toyoshima & Honma 1980**

Lycodes sadoensis Toyoshima & Honma 1980:48, Fig. 1 [ref. 8650] (off Ishikawa Prefecture, Japan, 37°33.5'N, 136°15.0'E, 235 m). Holotype: HUMZ 65832.

DISTRIBUTION: Western North Pacific: Japan Sea.

***Lycodes sagittarius* McAllister 1976**

Lycodes sagittarius McAllister 1976:9, Figs. 1–3 [ref. 7446] (Beaufort Sea, 50 miles north-northeast of Brownlow Point, 70°51'30"N, 145°17'W, 357 m). Holotype: NMC 74-282.

DISTRIBUTION: Arctic Ocean.

***Lycodes schmidti* Gratzianov 1907**

Lycodes schmidti Gratzianov 1907:426, 430 [ref. 1871] (east coast of Sakhalin I., Okhotsk Sea, Russia). No types known.

Lycodes brashnikovi Soldatov 1918:112, Fig. 1 [ref. 21830] (53°17'N, 154°47'E and Senyavine Cape, e. coast Sakhalin I., Okhotsk Sea). Syntypes: ZIN 19167 (3), ZIN (1, not found in 1996).

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Lycodes semenovi* Popov 1931**

Lycodes semenovi Popov 1931:144, Pl. 1 (fig. 2) [ref. 5702] (56°09'N, 144°30'E, Okhotsk Sea, 307 m). Holotype (unique): ZIN 29995.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

REMARKS: The validity of this species is uncertain, but it is treated as valid here.

***Lycodes seminudus* Reinhardt 1837**

Lycodes seminudus Reinhardt 1837:223 [117 of separate] [ref. 13398] (Omenak, Greenland, 71°N). Holotype: ZMUC 15.

Lycodes nigricans Jensen 1952:21, Pl. 1 (fig. 1) [ref. 12776] (Amerdlok fjord near Holsteinsborg, Greenland, 340–473 m). Holotype: ZMUC P76803.

DISTRIBUTION: Arctic Ocean: circumpolar.

***Lycodes sigmatoides* Lindberg & Krasnyukova 1975**

Lycodes sigmatoides Lindberg & Krasnyukova 1975:161, Fig. 127 [ref. 7348] (near Rymnik, e. Sakhalin I., Okhotsk Sea; w. Sakhalin I., Tatar Strait, Japan Sea, 50°31'N, 141°56'E, Japan Sea). Syntypes: (5) ZIN 13009 (1).

Lycodes schmidti Soldatov 1918:115, Fig. 2 [ref. 21830] (near Rymnik, e. Sakhalin I., Okhotsk Sea; w. Sakhalin I., Tatar Strait, Japan Sea, 50°31'N, 141°56'E). Syntypes: (5) ZIN 13009 (1).

DISTRIBUTION: Western North Pacific: Japan and Okhotsk seas.

REMARKS: *Lycodes schmidti* Soldatov 1918 was preoccupied by *Lycodes schmidti* Gratzianov 1907 and was replaced by *Lycodes sigmatoides* Lindberg & Krasnyukova 1975.

***Lycodes soldatovi* Taranetz & Andriashev 1935**

Lycodes soldatovi Taranetz & Andriashev 1935:246, Fig. 3 [ref. 15744] (Okhotsk Sea, east of Cape Terpeniya, 49°09.5'N, 145°17.5'E, 440 m). Syntypes: ZIN 24846 (1), 25190 (2).

DISTRIBUTION: Western North Pacific: Okhotsk and Bering seas.

***Lycodes squamiventer* Jensen 1904**

Lycodes pallidus var. *squamiventer* Jensen 1904:39, 46, Pl. 4 (fig. 2) [ref. 15186] (Iceland). Lectotype: ZMUC 235.

DISTRIBUTION: North Atlantic and Arctic.

***Lycodes tanakae* Jordan & Thompson 1914**

Lycodes tanakae Jordan & Thompson 1914:299, Pl. 37 (fig. 2) [ref. 2543] (Noto, Hondo, Japan).
Holotype (unique): FMNH 57068 [ex CM 6004].

Lycodes brevicauda Taranetz & Andriashev 1935:248, Figs. 4–5 [ref. 15744] (Okhotsk Sea).
Syntypes: (25) ZIN 29993 (1), 30015 (1), 30190 (6), 30196 (3), 30986 (2), 31393 (1), others
not found.

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

REMARKS: The specific name has been incorrectly spelled *tanakai* by some authors. The correct original spelling is *tanakae*, and should not be changed.

***Lycodes teraoi* Katayama 1943**

Lycodes teraoi Katayama 1943:103, Fig. 2 [ref. 2567] (off Tsuiyama, near Moroyose, Hyogo-ken,
Japan, 100 fm). Holotype: whereabouts unknown (163 mm TL).

DISTRIBUTION: Western North Pacific: Japan Sea.

***Lycodes terraenovae* Collett 1896**

Lycodes terraenovae Collett 1896:54 [ref. 890] (Newfoundland Banks, nw. Atlantic, probably
L'Hirondelle sta. 161 [not 162], 46°04'40"N, 49°02'30"W, 1,267 m). Lectotype: MOM-POI
295 [ex syntype b].

Lycodes atlanticus Jensen 1902:207 [ref. 14758] (coast of North America, off Virginia, U.S.A.,
39°34'45"N, 71°21'30"W, 516–1,423 fm). Holotype (unique): ZMUC 536.

Lycodes atratus Vladykov & Tremblay 1936:26, Pl. 2 (fig. 6) [ref. 11811] (Saint Lawrence R.
estuary, Canada). Holotype (unique): whereabouts unknown.

Lycodes brunneus Fowler 1944:73, Fig. [ref. 17879] (north of Bahamas, east of Florida, *Albatross*
sta. 2660, 28°40'00"N, 78°46'00"W, 504 fm). Holotype: USNM 119466.

Lycodes agulhensis Andriashev 1959:465, Figs. 1–3 [ref. 11975] (Agulhas Bank, 35°46'S,
22°36'W, South Africa, 1,400 m). Holotype (unique): ZIN 35812.

DISTRIBUTION: Western North Atlantic to eastern North and South Atlantic.

***Lycodes toyamensis* (Katayama 1941)**

Petroschmidtia toyamensis Katayama 1941:593, Fig. [ref. 13018] (Toyama Bay, Japan). Holotype
(unique): whereabouts unknown.

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Lycodes turneri* Bean 1879**

Lycodes turneri Bean 1879:463 [ref. 16020] (Saint Michaels I., Alaska, U.S.A.). Holotype
(unique): USNM 21529.

DISTRIBUTION: North Pacific and Arctic: Bering to Chukchi and Beaufort seas.

***Lycodes uschakovi* Popov 1931**

Lycodes uschakovi Popov 1931:141, Pl. 2 (fig. 7) [ref. 5702] (Okhotsk Sea, 58°11.5'N, 148°19.5'N,
141 m). Holotype (unique): whereabouts unknown.

Lycodes lindbergi Popov 1931:142, Pl. 2 (fig. 5) [ref. 5702] (58°11.5'N, 148°19.5'N, Okhotsk Sea,
141 m). Holotype (unique): whereabouts unknown.

Lycodes colletti Popov 1931:143, Pl. 2 (fig. 6) [ref. 5702] (Okhotsk Sea, 59°11.5'N, 148°19.5'E,
141 m; 57°40'N, 147°50.6'E, 144 m). Syntypes: (2) ZIN 23758 (1).

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Lycodes vahlii* Reinhardt 1831**

Lycodes vahlii Reinhardt 1831:18 [ref. 6533] (Julianehåb, Greenland). Holotype: ZMUC 9 (skeleton).

Lycodes zoarchus Goode & Bean 1896:308, Pls. 79 (figs. 276, 276a), 81 (fig. 283c) [ref. 1848] (off Nova Scotia, Canada, *Albatross* sta. 2499, 44°46'30"N, 59°55'45"W, 130 fm). Holotype: USNM 39298 (366 mm).

Lycodes vahlii maculatus Vladykov & Tremblay 1936:27, Pl. 3 (figs. 7–8) [ref. 11811] (Saint Lawrence R. estuary, Quebec, Canada). Syntypes: (219) NMC 60-161 (1), 60-162 (orig. 23, now 21); ROM (1); UBC (1).

DISTRIBUTION: Western North Atlantic and Arctic: Canada to Greenland.

***Lycodes yamatoi* Toyoshima 1985**

Lycodes yamatoi Toyoshima 1985:208, Fig. 49 [ref. 5722] (Japan Sea off Kasumi, Hyogo Prefecture, Japan). Holotype: HUMZ 41094.

DISTRIBUTION: Western North Pacific: Okhotsk and Japan seas.

***Lycodes ygreknotatus* Schmidt 1950**

Lycodes ygreknotatus Schmidt 1950:92 [79 of translation] [ref. 12471] (Shantar Is., north of Cape Aleksandir, nw. part of Okhotsk Sea, Russia, 135 m). Holotype (unique): ZIN 24843.

DISTRIBUTION: Western North Pacific: Okhotsk Sea.

Genus *Lycodichthys* Pappenheim 1911

Lycodichthys Pappenheim 1911:382 [ref. 6534]. Type species *Lycodichthys antarcticus* Pappenheim 1911. Type by monotypy.

Rhigophila DeWitt 1962:820 [ref. 1122]. Type species *Rhigophila dearborni* DeWitt 1962. Type by original designation (also monotypic).

***Lycodichthys antarcticus* Pappenheim 1911**

Lycodichthys antarcticus Pappenheim 1911:383 [ref. 6534] (Gauss winter station, Wilhelm II Coast, Antarctica). Syntypes: BMNH 1913.4.15.60-61 (2); ZMB 18941 (6), ?12993 (1); ZMH 8157 (1).

DISTRIBUTION: Southern Ocean: Antarctica.

***Lycodichthys dearborni* (DeWitt 1962)**

Rhigophila dearborni DeWitt 1962:821, Figs. 1c–d, 2a–c, 3a–b [ref. 1122] (McMurdo Sound, Antarctica, 77°53'S, 166°44'E, 585 m). Holotype: SU 54145.

DISTRIBUTION: Southern Ocean: Ross Sea, Antarctica.

Genus *Lycodonus* Goode & Bean 1883

Lycodonus Goode & Bean 1883:208 [ref. 1838]. Type species *Lycodonus mirabilis* Goode & Bean 1883. Type by monotypy.

REMARKS: *Lycodonus dorsoscutatus* Oshima 1957 is not a zoarcid and is not treated here (see Anderson 1994:73 [ref. 21438]).

***Lycodonus flagellicauda* (Jensen 1902)**

Lycenchelys flagellicauda Jensen 1902:210 [ref. 14758] (Spitsbergen to Faroe Is., 459–1,089 fm). Syntypes: ZMUC 21-31; ZMUO J4589 (1), J4590 (2).

Lycenchelys ophidium Jensen 1902:212 [ref. 14758] (Iceland, 61°33'N, 19°00'W, 1,089 fm). Holotype: ZMUC 32.

DISTRIBUTION: Arctic and North Atlantic: Spitsbergen to Iceland.

***Lycodon malvinensis* Gosztonyi 1981**

Lycodon malvinensis Gosztonyi 1981:153, Figs. 1–2 [ref. 8596] (sw. Atlantic, *Walther Herwig* sta. 219/71, 49°58'S, 55°00'W, 1,000 m). Holotype: ISH 200/71b.

DISTRIBUTION: Western South Atlantic.

***Lycodon mirabilis* Goode & Bean 1883**

Lycodon mirabilis Goode & Bean 1883:208 [ref. 1838] (Atlantic, *Blake* sta. 337, 38°20'08"N, 73°23'20"W, 740 fm). Holotype (unique): MCZ 25859.

DISTRIBUTION: Western North Atlantic.

***Lycodon vermiformis* Barnard 1927**

Lycodon vermiformis Barnard 1927:74 [ref. 193] (off Cape Point, South Africa, 460–630 fm). Syntypes: BMNH 1927.12.6.7 [ex SAM] (1), SAM 12794 (2) 500–550 fm.

DISTRIBUTION: Eastern South Atlantic.

Genus *Lycogrammoides* Soldatov & Lindberg 1929

Lycogrammoides Soldatov & Lindberg 1929:40 [ref. 4161]. Type species *Lycogrammoides schmidti* Soldatov & Lindberg 1929. Type by original designation (also monotypic).

***Lycogrammoides schmidti* Soldatov & Lindberg 1929**

Lycogrammoides schmidti Soldatov & Lindberg 1929:41, Fig. [ref. 4161] (Tauyskaya Bay, n. Okhotsk Sea, 108 m). Holotype (unique): ZIN 19120.

DISTRIBUTION: Western North Pacific.

Genus *Lyconema* Gilbert 1896

Lyconema Gilbert 1896:471 [ref. 1628]. Type species *Lyconema barbatum* Gilbert 1896. Type by original designation (also monotypic).

***Lyconema barbatum* Gilbert 1896**

Lyconema barbatum Gilbert 1896:471, Pl. 35 (upper) [ref. 1628] (off central California, *Albatross* sta. 3129, 36°39'40"N, 122°01'W, 204 fm). Lectotype: USNM 48582.

DISTRIBUTION: Eastern North Pacific.

REMARKS: Lectotype established (as figured specimen) in caption to Pl. 352, p. 3305 in Jordan and Evermann (1900 [ref. 2446]) and traced to USNM 45362 by Springer and Anderson (1997:14 [ref. 22953]); lectotype designated by Anderson (1994:76 [ref. 21438]) is invalid.

Genus *Maynea* Cunningham 1871

Maynea Cunningham 1871:471 [ref. 992]. Type species *Maynea patagonica* Cunningham 1871. Type by original designation (also monotypic).

***Maynea puncta* (Jenyns 1842)**

Conger punctus Jenyns 1842:143 [ref. 2344] (Beagle Channel, Tierra del Fuego). Holotype (unique): BMNH 1917.7.14.12.

Maynea patagonica Cunningham 1871:472 [ref. 992] (Otter Is., Smyth Channel, Magellan Strait). Holotype (unique): BMNH 1869.5.3.25.

DISTRIBUTION: Eastern South Pacific to western South Atlantic: southern South America.

Genus *Notolycodes* Gosztonyi 1977

Notolycodes Gosztonyi 1977:224 [ref. 6103]. Type species *Notolycodes schmidti* Gosztonyi 1977. Type by original designation (also monotypic).

***Notolycodes schmidti* Gosztonyi 1977**

Notolycodes schmidti Gosztonyi 1977:224, Figs. 13–14 [ref. 6103] (continental slope off Buenos Aires, Argentina, 36°00'S, 52°58'W, 800 m). Holotype: ISH 1134/66.

DISTRIBUTION: Western South Atlantic.

Genus *Oidiphorus* McAllister & Rees 1964

Oidiphorus McAllister & Rees 1964:104 [ref. 2921]. Type species *Maynea brevis* Norman 1937. Type by original designation (also monotypic).

***Oidiphorus brevis* (Norman 1937)**

Maynea brevis Norman 1937:108, Fig. 57 [ref. 3227] (*Discovery* sta. WS825, 50°50'S, 57°15'15"W, Patagonia-Falklands region, 135–144 m). Holotype: BMNH 1936.8.26.1042.

DISTRIBUTION: Western South Atlantic.

***Oidiphorus mcallisteri* Anderson 1988**

Oidiphorus mcallisteri Anderson 1988:102, Figs. 8b, 38 [ref. 7304] (off South Georgia I., Scotia Sea, 53°23'S, 37°11'–21'W, 1,299–1,400 m). Holotype: LACM 10608-2.

DISTRIBUTION: Southern Ocean: Scotia Sea.

Genus *Ophthalmolycus* Regan 1913

Ophthalmolycus Regan 1913:243 [ref. 3651]. Type species *Lycodes macrops* Günther 1880. Type by monotypy.

Lacrimolycus Andriashev & Fedorov 1986:28 [ref. 6133]. Subgenus of *Ophthalmolycus*. Type species *Ophthalmolycus (Lacrimolycus) campbellensis* Andriashev & Fedorov 1986. Type by original designation (also monotypic).

***Ophthalmolycus amberensis* (Tomo, Marschoff & Torno 1977)**

Lycenchelys amberensis Tomo, Marschoff & Torno 1977:4 [ref. 8870] (vicinity of Isla Amberes, Antarctic Peninsula, 64°40'S, 63°20'W). Holotype (unique): IAA 2.

Lycodes concolor Roule & Despax 1911:280 [ref. 14869] (South Shetland Is., Antarctica). Holotype (unique): MNHN 1911-0099 (poor condition).

Austrolycichthys dolloi Andriashev & Fedorov 1986:31 [ref. 6133] (South Shetland Is., Antarctica). Holotype (unique): MNHN 1911-0099.

DISTRIBUTION: Southern Ocean: circum-Antarctica.

REMARKS: *Lycodes concolor* Roule & Despax 1911 is preoccupied by *Lycodes concolor* Gill & Townsend 1897 and was replaced by *Austrolycichthys dolloi* Andriashev & Fedorov 1986; however, an older synonym, *Lycenchelys amberensis* Tomo, Marschoff & Torno 1977, was available.

***Ophthalmolycus bothriocephalus* (Pappenheim 1912)**

Lycodes bothriocephalus Pappenheim 1912:178, Pl. 10 (fig. 2) [ref. 14856] (Gauss winter station, Wilhelm II Coast, Antarctica). Holotype: ZMB 18927.

DISTRIBUTION: Southern Ocean: circum-Antarctica.

***Ophthalmolycus campbellensis* Andriashev & Fedorov 1986**

Ophthalmolycus (Lacrimolycus) campbellensis Andriashev & Fedorov 1986:28, Figs. 3–4 [ref. 6133] (New Zealand Plateau, 51°44'S, 169°36'E, 230–286 m). Holotype (unique): ZIN 45284.

DISTRIBUTION: Western South Pacific: New Zealand Plateau.

***Ophthalmolycus chilensis* Anderson 1992**

Ophthalmolycus chilensis Anderson 1992:3, Pl. 1 (fig. a) [ref. 18912] (off Tocopilla, Chile, 22°42'S, 70°35'W, 1,000 m). Holotype (unique): CAS 63058.

DISTRIBUTION: Eastern South Pacific.

***Ophthalmolycus conorhynchus* (Garman 1899)**

Gymnelis conorhynchus Garman 1899:131, Pl. 31 (fig. 2) [ref. 1540] (off Panama Bay, *Albatross* sta. 3382, 6°21'00"N, 80°41'00"W, 1,793 fm). Syntypes: MCZ 28690 (3, poor condition).

DISTRIBUTION: Eastern Pacific.

***Ophthalmolycus macrops* (Günther 1880)**

Lycodes macrops Günther 1880:21, Pl. 11 (fig. b) [ref. 2011] (*Challenger* sta. 309, 40–140 fm [Magellan Strait near Puerto Bueno, Chile, 50°56'S, 74°15'–14'W]). Holotype (unique): BMNH 1879.5.14.48.

DISTRIBUTION: Eastern South Pacific.

Genus *Pachycara* Zugmayer 1911

Pachycara Zugmayer 1911:12 [ref. 6161]. Type species *Pachycara obesa* Zugmayer 1911. Type by monotypy.

Austrolycichthys Regan 1913:244 [ref. 3651]. Type species *Lycodes brachycephalus* Pappenheim 1912. Type by subsequent designation.

Pachycarichthys Whitley 1931:334 [ref. 4672]. Type species *Pachycara obesa* Zugmayer 1911. Type by being a replacement name.

***Pachycara andersoni* Møller 2003**

Pachycara andersoni Møller 2003:357, Fig. 2 [ref. 26908] (Arabian Sea, 16°13'N, 60°16'E, Indian Ocean, 4,050 m). Holotype: ZMUC P764687.

DISTRIBUTION: Western Indian Ocean.

***Pachycara arabica* Møller 2003**

Pachycara arabica Møller 2003:362, Fig. 3 [ref. 26908] (Arabian Sea, 16°13'N, 60°16'E, Indian Ocean, 4,050 m). Holotype (unique): ZMH 9199.

DISTRIBUTION: Western Indian Ocean.

***Pachycara brachycephalum* (Pappenheim 1912)**

Lycodes brachycephalus Pappenheim 1912:179, Pl. 10 (fig. 3) [ref. 14856] (Gauss winter station, Wilhelm II Coast, Antarctica). Lectotype: ZMB 18929.

DISTRIBUTION: Southern Ocean: circum-Antarctica.

***Pachycara bulbiceps* (Garman 1899)**

Maynea bulbiceps Garman 1899:140, Pl. E (fig. 1) [ref. 1540] (east of Cocos I., off Panama Bay, *Albatross* sta. 3361, 6°10'00"N, 83°06'00"W, 1,471 fm). Holotype (unique): MCZ 28681 (poor condition).

Pachycara obesa Zugmayer 1911:12 [ref. 6161] (Bay of Biscay, e. Atlantic, *Princesse Alice* sta. 1554, 45°27'N, 6°05'W, 4,780 m). Holotype (unique): MOM 0091-0831.

DISTRIBUTION: Eastern Pacific and North Atlantic.

***Pachycara crassiceps* (Roule 1916)**

Lycenchelys crassiceps Roule 1916:16 [ref. 3818] (Gulf of Gascony, sta. 1453, 45°02'N, 3°16'W, 1,455 m). Syntypes: MOM 0091-0656 (2).

DISTRIBUTION: Eastern Atlantic.

***Pachycara crossacanthum* Anderson 1989**

Pachycara crossacanthum Anderson 1989:230, Figs. 7–8 [ref. 13487] (off Senegal, 12°58.0'N, 17°41.8'W, 900 m). Holotype: CAS 55586.

DISTRIBUTION: Eastern Atlantic: western Africa.

***Pachycara garricki* Anderson 1990**

Pachycara garricki Anderson 1990:9, Fig. 3 [ref. 16143] (Hikurangi Trough, sw. Pacific, 42°11'S, 175°11'E to 42°11'S, 175°05'E, 2,602–2,619 m). Holotype (unique): LACM 43730-1.

DISTRIBUTION: Western South Pacific: New Zealand Plateau.

***Pachycara goni* Anderson 1991**

Pachycara goni Anderson 1991:155, Figs. 3–5 [ref. 20019] (Weddell Sea, off Kapp Norvegia, Queen Maud Land, Antarctica, 71°08.8'S, 13°48.1'W to 71°09.4'S, 13°49.1'W, 2,025–2,037 m). Holotype (unique): MNHN 1990-0644.

DISTRIBUTION: Southern Ocean: Weddell Sea, Antarctica.

***Pachycara gymninium* Anderson & Peden 1988**

Pachycara gymninium Anderson & Peden 1988:88, Fig. 5 [ref. 7215] (west of Tasu Sound, Queen Charlotte Is., British Columbia, 52°38.0'N, 132°05.8'W, 2,744 m). Holotype: USNM 280121.

DISTRIBUTION: Eastern North Pacific.

***Pachycara lepinium* Anderson & Peden 1988**

Pachycara lepinium Anderson & Peden 1988:91, Fig. 6 [ref. 7215] (west of Tasu Sound, Queen Charlotte Is., British Columbia, 52°38.0'N, 132°05.8'W, 2,744 m). Holotype: USNM 280120.

DISTRIBUTION: Eastern North Pacific.

***Pachycara mesoporum* Anderson 1989**

Pachycara mesoporum Anderson 1989:237, Fig. 13 [ref. 13487] (off Antofagasta, Chile, probably about 300 m). Holotype: CAS 62406.

DISTRIBUTION: Eastern South Pacific.

***Pachycara microcephalum* (Jensen 1902)**

Lycodes microcephalus Jensen 1902:206 [ref. 14758] (Reykjanes Ridge, southwest of Iceland, 60°37'N, 27°52'W, 799 fm). Holotype (unique): ZMUC 78.

DISTRIBUTION: Eastern North Atlantic.

***Pachycara nazca* Anderson & Bluhm 1997**

Pachycara nazca Anderson & Bluhm 1997:220, Figs. 1–3 [ref. 22911] (Peru Basin, 7°03.2'S, 88°24.5'W, 4,107 m). Holotype: SMF 27979.

DISTRIBUTION: Eastern Pacific: Peru Basin.

***Pachycara pammelas* Anderson 1989**

Pachycara pammelas Anderson 1989:239, Fig. 14 [ref. 13487] (off Punta Lobos, Chile, 20°50'S, 70°27'W, 610 m). Holotype: CAS 62407.

DISTRIBUTION: Eastern South Pacific.

***Pachycara rimae* Anderson 1989**

Pachycara rimae Anderson 1989:235, Figs. 11–12 [ref. 13487] (Galápagos Rift hydrothermal vents, 0°47.8'N, 86°09.9'W, 2,500 m). Holotype (unique): LACM 44699-1.

DISTRIBUTION: Eastern Pacific.

***Pachycara shcherbachevi* Anderson 1989**

Pachycara shcherbachevi Anderson 1989:233, Fig. 10 [ref. 13487] (Bay of Bengal, 15°54'N, 90°17'W, 2,600 m). Holotype (unique): ZMUC P761147.

DISTRIBUTION: Northern Indian Ocean.

***Pachycara sulaki* Anderson 1989**

Pachycara sulaki Anderson 1989:231, Fig. 9 [ref. 13487] (Mona Passage off Puerto Rico, 18°28.7'N, 67°20.6'W, 2,000 m). Holotype: USNM 292811.

DISTRIBUTION: Western Atlantic.

***Pachycara suspectum* (Garman 1899)**

Phucocoetes suspectus Garman 1899:137, Pl. 30 (figs. 3–3a) [ref. 1540] (off Acapulco, Mexico, Albatross sta. 3418, 16°33'00"N, 99°52'30"W, 660 fm). Holotype (unique): MCZ 28683.

DISTRIBUTION: Eastern Pacific.

***Pachycara thermophilum* Geistdoerfer 1994**

Pachycara thermophilum Geistdoerfer 1994:110, Fig. 1 [ref. 21428] (Mid-Atlantic Ridge at Snake Pit hydrothermal field, 23°22.94'N, 44°56.09'W, 3,480 m). Holotype: MNHN 1993-0255.

DISTRIBUTION: Mid-Atlantic Ridge.

Genus *Phucocoetes* Jenyns 1842

Phucocoetes Jenyns 1842:168 [ref. 2344]. Type species *Phucocoetes latitans* Jenyns 1842. Type by monotypy.

***Phucocoetes latitans* Jenyns 1842**

Phucocoetes latitans Jenyns 1842:168, Pl. 29 (figs. 3, 3a) [ref. 2344] (Falkland Is.). Lectotype: BMNH 1917.7.14.67 (? = BMNH 1842.2.12.2).

Lycodes flavus Boulenger 1900:53 [ref. 14720] (Falkland Is.). Holotype: BMNH 1900.1.31.9.

DISTRIBUTION: Western South Atlantic.

Genus *Piedrabuenia* Gosztonyi 1977

Piedrabuenia Gosztonyi 1977:235 [ref. 6103]. Type species *Piedrabuenia ringueleti* Gosztonyi 1977. Type by original designation (also monotypic).

***Piedrabuenia ringueleti* Gosztonyi 1977**

Piedrabuenia ringueleti Gosztonyi 1977:236, Figs. 19–21 [ref. 6103] (continental slope off Puerto Deseado, Central Patagonia, Argentina, 46°54'S, 60°28'W, 480 m). Holotype: ISH 279/71.

DISTRIBUTION: Western South Atlantic.

Genus *Plesienchelys* Anderson 1988

Plesienchelys Anderson 1988:268 [ref. 6334]. Type species *Ophthalmolycus stehmanni* Gosztonyi 1977. Type by original designation (also monotypic).

***Plesienchelys stehmanni* (Gosztonyi 1977)**

Ophthalmolycus stehmanni Gosztonyi 1977:230, Fig. 16 [ref. 6103] (north of the Malvinas Is. (Falkland Is.), 49°13'S, 58°45'W, 485–506 m). Holotype (unique): ISH 317/71.

DISTRIBUTION: Western South Atlantic.

Genus *Pogonolycus* Norman 1937

Pogonolycus Norman 1937:106 [ref. 3227]. Type species *Pogonolycus elegans* Norman 1937. Type by original designation (also monotypic).

Haushia Lloris 1988:246 [ref. 15965]. Type species *Haushia marinae* Lloris 1988. Type by original designation (also monotypic).

***Pogonolycus elegans* Norman 1937**

Pogonolycus elegans Norman 1937:106, Fig. 55, Pl. 1 (fig. 3) [ref. 3227] (Patagonian-Falkland region, *Discovery* sta. WS 246, 52°25'S, 61°00'W, 267–208 m). Holotype: BMNH 1936.8.26.1031.

DISTRIBUTION: South Atlantic: southern South America.

***Pogonolycus marinae* (Lloris 1988)**

Haushia marinae Lloris 1988:246, Fig. 1 [ref. 15965] (Staten I., off Tierra del Fuego, 54°46.3'S, 63°48.0'W, 130 m). Holotype (unique): IIPB 104/1987.

DISTRIBUTION: South Atlantic: southern South America.

Genus *Pyrolycus* Machida & Hashimoto 2002

Pyrolycus Machida & Hashimoto 2002:1 [ref. 25949]. Type species *Pyrolycus manusanus* Machida & Hashimoto 2002. Type by original designation (also monotypic).

***Pyrolycus manusanus* Machida & Hashimoto 2002**

Pyrolycus manusanus Machida & Hashimoto 2002:3, Figs. 1–13 [ref. 25949] (Manus basin, Bismarck Sea, 3°43.66'S, 151°40.39'E, 1,694 m). Holotype: BSKU 87741.

DISTRIBUTION: Western Pacific: Bismarck Sea.

Genus *Taranetzella* Andriashev 1952

Taranetzella Andriashev 1952:415 [ref. 6593]. Type species *Taranetzella lyoderma* Andriashev 1952. Type by original designation (also monotypic).

***Taranetzella lyoderma* Andriashev 1952**

Taranetzella lyoderma Andriashev 1952:416, Fig. [ref. 6593] (Olyutorskiy Bay, w. Bering Sea, 60°52'N, 168°17'E, 986 m). Holotype (unique): ZIN 32813.

DISTRIBUTION: North Pacific: Japan to Mexico.

Genus *Thermarces* Rosenblatt & Cohen 1986

Thermarces Rosenblatt & Cohen 1986:72 [ref. 5198]. Type species *Thermarces cerberus* Rosenblatt & Cohen 1986. Type by original designation.

***Thermarces andersoni* Rosenblatt & Cohen 1986**

Thermarces andersoni Rosenblatt & Cohen 1986:78, Fig. 6 [ref. 5198] (e. Pacific, 12°48.85'N, 103°56.60'W, 2,620 m). Holotype: MNHN 1985-0400.

DISTRIBUTION: Eastern Pacific.

REMARKS: The validity of this species is in doubt, but it is treated as valid here.

***Thermarces cerberus* Rosenblatt & Cohen 1986**

Thermarces cerberus Rosenblatt & Cohen 1986:74, Figs. 1–5, 7–8 [ref. 5198] (hydrothermal vent site (20°51'N, 109°04'W), off Mexico, e. Pacific, 2,600 m). Holotype: SIO 81-155.

DISTRIBUTION: Eastern Pacific.

***Thermarces pelophilum* Geistdoerfer 1999**

Thermarces pelophilum Geistdoerfer 1999:7, Fig. 1 [ref. 23832] (cold seeps of the Barbados accretionary complex, nw. Atlantic Ocean, 10°19.9'N, 58°37.3'W, 1,947 m). Holotype (unique): MNHN 1994-0560.

DISTRIBUTION: Western Atlantic.

Summary Lists

Genus-Group Names of Family Zoarcidae

- Aiakas* Gosztonyi 1977 = *Aiakas* Gosztonyi 1977
Allolepis Jordan & Hubbs 1925 = *Bothrocarina* Bean 1890
Andriashevia Fedorov & Neyelov 1978 = *Andriashevia* Fedorov & Neyelov 1978
Apodolycus Andriashev 1979 = *Lycenchelys* Gill 1884
Aprodon Gilbert 1890 = *Lycodes* Reinhardt 1831
Austrolycichthys Regan 1913 = *Pachycara* Zugmayer 1911
Austrolycus Regan 1913 = *Austrolycus* Regan 1913
Bandichthys Parin 1979 = *Melanostigma* Günther 1881
Bilabria Schmidt 1936 = *Bilabria* Schmidt 1936
Bothrocarina Bean 1890 = *Bothrocarina* Bean 1890
Bothrocarichthys Schmidt 1938 = *Bothrocarina* Suvorov 1935
Bothrocarina Suvorov 1935 = *Bothrocarina* Suvorov 1935
Bothrocaropsis Garman 1899 = *Bothrocarina* Bean 1890
Caneolepis Lahille 1908 = *Iluocoetes* Jenyns 1842
Cepolophis Kaup 1856 = *Gymnelus* Reinhardt 1834
Commandorella Taranetz & Andriashev 1935 = *Gymnelus* Reinhardt 1834
Crossolycus Regan 1913 = *Crossostomus* Lahille 1908
Crossostomus Lahille 1908 = *Crossostomus* Lahille 1908
Dadyanos Whitley 1951 = *Dadyanos* Whitley 1951
Davidijordania Popov 1931 = *Davidijordania* Popov 1931
Derepodichthys Gilbert 1896 = *Derepodichthys* Gilbert 1896
Derjuginia Popov 1931 = *Gymnelopsis* Soldatov 1922
Dieidolycus Anderson 1988 = *Dieidolycus* Anderson 1988
Embryx Jordan & Evermann 1898 = *Lycenchelys* Gill 1884
Eucryphycus Anderson 1988 = *Eucryphycus* Anderson 1988
Exechodontes DeWitt 1977 = *Exechodontes* DeWitt 1977
Furcella Jordan & Evermann 1896 = *Lycodes* Reinhardt 1831
Furcimanus Jordan & Evermann 1898 = *Lycodes* Reinhardt 1831
Gengea Katayama 1943 = *Gymnelopsis* Soldatov 1922
Gymnelichthys Fischer 1885 = *Gymnelus* Reinhardt 1834
Gymnelopsis Soldatov 1922 = *Gymnelopsis* Soldatov 1922
Gymnelus Reinhardt 1834 = *Gymnelus* Reinhardt 1834
Hadropareia Schmidt 1904 = *Hadropareia* Schmidt 1904
Hadropogonichthys Fedorov 1982 = *Hadropogonichthys* Fedorov 1982
Haushia Lloris 1988 = *Pogonolycus* Norman 1937
Iluocoetes Jenyns 1842 = *Iluocoetes* Jenyns 1842
Japonolycodes Shinohara, Sakurai & Machida 2002 = *Japonolycodes* Shinohara, Sakurai & Machida 2002

Krusensterniella Schmidt 1904 = *Krusensterniella* Schmidt 1904
Lacrimolycus Andriashev & Fedorov 1986 = *Ophthalmolycus* Regan 1913
Letholycus Anderson 1988 = *Letholycus* Anderson 1988
Leurynnis Lockington 1879 = *Lycodes* Reinhardt 1831
Lycenchelys Gill 1884 = *Lycenchelys* Gill 1884
Lycias Jordan & Evermann 1898 = *Lycodes* Reinhardt 1831
Lyciscus Jordan & Evermann 1899 = *Lycenchelys* Gill 1884
Lycodalepis Bleeker 1874 = *Lycodes* Reinhardt 1831
Lycodapus Gilbert 1890 = *Lycodapus* Gilbert 1890
Lycodes Reinhardt 1831 = *Lycodes* Reinhardt 1831
Lycodichthys Pappenheim 1911 = *Lycodichthys* Pappenheim 1911
Lycodonus Goode & Bean 1883 = *Lycodonus* Goode & Bean 1883
Lycodophis Vaillant 1888 = *Lycenchelys* Gill 1884
Lycodopsis Collett 1879 = *Lycodes* Reinhardt 1831
Lycogramma Gilbert 1915 = *Bothrocara* Bean 1890
Lycogrammoides Soldatov & Lindberg 1929 = *Lycogrammoides* Soldatov & Lindberg 1929
Lycinema Gilbert 1896 = *Lycinema* Gilbert 1896
Lycozoarces Popov 1935 = *Lycozoarces* Popov 1935
Macrozoarces Gill 1863 = *Zoarces* Cuvier 1829
Maynea Cunningham 1871 = *Maynea* Cunningham 1871
Melanostigma Günther 1881 = *Melanostigma* Günther 1881
Nalbantichthys Schultz 1967 = *Nalbantichthys* Schultz 1967
Nemalycodes Herzenstein 1896 = *Gymnelus* Reinhardt 1834
Notolycodes Gosztanyi 1977 = *Notolycodes* Gosztanyi 1977
Oidiphorus McAllister & Rees 1964 = *Oidiphorus* McAllister & Rees 1964
Opaeopacus Bond & Stein 1984 = *Opaeopacus* Bond & Stein 1984
Ophthalmolycus Regan 1913 = *Ophthalmolycus* Regan 1913
Pachycara Zugmayer 1911 = *Pachycara* Zugmayer 1911
Pachycarichthys Whitley 1931 = *Pachycara* Zugmayer 1911
Paralycodes Bleeker 1874 = *Iluocoetes* Jenyns 1842
Petroschmidtia Taranetz & Andriashev 1934 = *Lycodes* Reinhardt 1831
Phucocoetes Jenyns 1842 = *Phucocoetes* Jenyns 1842
Piedrabuenia Gosztanyi 1977 = *Piedrabuenia* Gosztanyi 1977
Platea Steindachner 1898 = *Dadyanos* Whitley 1951
Plesienchelys Anderson 1988 = *Plesienchelys* Anderson 1988
Pogonolycus Norman 1937 = *Pogonolycus* Norman 1937
Puzanovia Fedorov 1975 = *Puzanovia* Fedorov 1975
Pyrolycus Machida & Hashimoto 2002 = *Pyrolycus* Machida & Hashimoto 2002
Rhigophila DeWitt 1962 = *Lycodichthys* Pappenheim 1911
Seleniolycus Anderson 1988 = *Seleniolycus* Anderson 1988
Taranetzella Andriashev 1952 = *Taranetzella* Andriashev 1952
Thermarces Rosenblatt & Cohen 1986 = *Thermarces* Rosenblatt & Cohen 1986
Zestichthys Jordan & Hubbs 1925 = *Bothrocara* Bean 1890
Zoarces Cuvier 1829 = *Zoarces* Cuvier 1829

Incertae Sedis Genus-Group Names

None

Unavailable Genus-Group Names

Bergeniana Popov 1931:140 [ref. 5702]. Nomen nudum. In the synonymy of *Lycodes* Reinhardt 1831.

Enchelyopus Gronow 1760:259 [ref. 13466]. Type species *Blennius viviparus* Linnaeus 1758. Type by subsequent designation. Suppressed. In the synonymy of *Zoarces* Cuvier 1829.

Species-Group Names of Family Zoarcidae

abei, *Davidijordania* Matsubara 1936 = *Japonolycodes abei* (Matsubara 1936)

acrogeneius, *Opaeophacus* Bond & Stein 1984 = *Opaeophacus acrogeneius* Bond & Stein 1984

acropterus, *Caneolepis* Lahille 1908 = *Iluocoetes fimbriatus* Jenyns 1842

adocetus, *Dieidolycus* Anderson 1994 = *Dieidolycus adocetus* Anderson 1994

adolphi, *Lycodes* Nielsen & Fosså 1993 = *Lycodes adolphi* Nielsen & Fosså 1993

agnostus, *Lycodes* Jensen 1902 = *Lycodes polaris* (Sabine 1824)

agulhensis, *Lycodes* Andriashev 1959 = *Lycodes terraenovae* Collett 1896

alalonga, *Bothrocaropsis* Garman 1899 = *Bothrocara molle* Bean 1890

albeolus, *Lycenchelys* Andriashev 1958 = *Lycenchelys albeola* Andriashev 1958

albolineatus, *Lycodes* Andriashev 1955 = *Lycodes albolineatus* Andriashev 1955

albomaculatus, *Lycenchelys* Toyoshima 1983 = *Lycenchelys albomaculata* Toyoshima 1983

albonotata, *Petroschmidtia* Taranetz & Andriashev 1934 = *Lycodes albonotatus* (Taranetz & Andriashev 1934)

albus, *Lycodes* Vaillant 1888 = *Lycenchelys alba* (Vaillant 1888)

alepidotus, *Derepodichthys* Gilbert 1896 = *Derepodichthys alepidotus* Gilbert 1896

altus, *Lycenchelys* Toyoshima 1985 = *Lycenchelys alta* Toyoshima 1985

amberensis, *Lycenchelys* Tomo, Marschoff & Torno 1977 = *Ophthalmolycus amberensis* (Tomo, Marschoff & Torno 1977)

americanus, *Blennius* Bloch & Schneider 1801 = *Zoarces americanus* (Bloch & Schneider 1801)

andersoni, *Gymnelus* Chernova 1998 = *Gymnelus andersoni* Chernova 1998

andersoni, *Pachycara* Møller 2003 = *Pachycara andersoni* Møller 2003

andersoni, *Thermarces* Rosenblatt & Cohen 1986 = *Thermarces andersoni* Rosenblatt & Cohen 1986

andriashevi, *Lycodes* Fedorov 1966 = *Lycodes concolor* Gill & Townsend 1897

anguillaris, *Blennius* Peck 1804 = *Zoarces americanus* (Bloch & Schneider 1801)

anguis, *Lycodes* Garman 1899 = *Lycenchelys porifer* (Gilbert 1890)

antarcticus, *Gymnelichthys* Fischer 1885 = *Gymnelus viridis* (Fabricius 1780)

antarcticus, *Lycenchelys* Regan 1913 = *Lycenchelys antarctica* Regan 1913

antarcticus, *Lycodapus* Tomo 1982 = *Lycodapus antarcticus* Tomo 1982

antarcticus, *Lycodichthys* Pappenheim 1911 = *Lycodichthys antarcticus* Pappenheim 1911

aptera, *Andriashevia* Fedorov & Neyelov 1978 = *Andriashevia aptera* Fedorov & Neyelov 1978

arabica, *Pachycara* Møller 2003 = *Pachycara arabica* Møller 2003

aratrirostris, *Lycenchelys* Andriashev & Permitin 1968 = *Lycenchelys aratrirostris* Andriashev & Permitin 1968

arcticus, *Lycodes palearis* Taranetz & Andriashev 1937 = *Lycodes palearis* Gilbert 1896

argentinus, *Lycenchelys* Marschoff, Torno & Tomo 1977 = *Lycenchelys argentina* Marschoff, Torno & Tomo 1977

atacamensis, *Lycenchelys* Andriashev 1980 = *Lycenchelys antarctica* Regan 1913

atlanticum, *Melanostigma* Koefoed 1952 = *Melanostigma atlanticum* Koefoed 1952

atlanticus, *Lycodes* Jensen 1902 = *Lycodes terraenovae* Collett 1896

atlanticus, *Lycodes turneri* Vladykov & Tremblay 1936 = *Lycodes polaris* (Sabine 1824)

- atratus*, *Lycodes* Vladykov & Tremblay 1936 = *Lycodes terraenovae* Collett 1896
attenuatus, *Lycodapus* Gilbert 1915 = *Lycodapus mandibularis* Gilbert 1915
attenuatus, *Lycodes* Knipowitsch 1906 = *Lycodes pallidus* Collett 1879
aurantiaca, *Lycenchelys* Shinohara & Matsuura 1998 = *Lycenchelys aurantiaca* Shinohara & Matsuura 1998
australis, *Lycodapus* Norman 1937 = *Lycodapus australis* Norman 1937
bachmanni, *Lycenchelys* Gosztonyi 1977 = *Lycenchelys bachmanni* Gosztonyi 1977
barbatum, *Lyconema* Gilbert 1896 = *Lyconema barbatum* Gilbert 1896
barsukovi, *Gymnelus* Chernova 1999 = *Gymnelus barsukovi* Chernova 1999
bathium, *Melanostigma* Bussing 1965 = *Melanostigma bathium* Bussing 1965
bellingshauseni, *Lycenchelys* Andriashev & Permitin 1968 = *Lycenchelys bellingshauseni* Andriashev & Permitin 1968
beringi, *Lycodes (Furcimanus) diapterus* Andriashev 1935 = *Lycodes diapterus* Gilbert 1892
bilabrus, *Gymnelis* Andriashev 1937 = *Gymnelus viridis* (Fabricius 1780)
birsteini, *Lycenchelys* Andriashev 1958 = *Lycenchelys plicifera* Andriashev 1955
bothriocephalus, *Lycodes* Pappenheim 1912 = *Ophthalmolycus bothriocephalus* (Pappenheim 1912)
brachycephalus, *Lycodes* Pappenheim 1912 = *Pachycara brachycephalum* (Pappenheim 1912)
brachyrhynchus, *Lycenchelys* Schmidt 1904 = *Davidijordania brachyrhyncha* (Schmidt 1904)
brashnikovi, *Gymnelopsis* Soldatov 1922 = *Gymnelopsis brashnikovi* Soldatov 1922
brashnikovi, *Lycodes* Soldatov 1918 = *Lycodes schmidti* Gratzianov 1907
brevicauda, *Lycodes* Taranetz & Andriashev 1935 = *Lycodes tanakai* Jordan & Thompson 1914
brevifenestratus, *Gymnelopsis* Anderson 1982 = *Gymnelopsis brevifenestrata* Anderson 1982
brevimaxillaris, *Lycenchelys* Toyoshima 1985 = *Lycenchelys brevimaxillaris* Toyoshima 1985
brevipes, *Lycodes* Bean 1890 = *Lycodes brevipes* Bean 1890
brevis, *Maynea* Norman 1937 = *Oidiphorus brevis* (Norman 1937)
brunnea, *Maynea* Bean 1890 = *Bothrocara brunneum* (Bean 1890)
brunneofasciatus, *Lycodes* Suvorov 1935 = *Lycodes brunneofasciatus* Suvorov 1935
brunneus, *Lycodes* Fowler 1944 = *Lycodes terraenovae* Collett 1896
bulbiceps, *Maynea* Garman 1899 = *Pachycara bulbiceps* (Garman 1899)
bullisi, *Lycenchelys* Cohen 1964 = *Lycenchelys bullisi* Cohen 1964
californica, *Maynea* Starks & Mann 1911 = *Eucryphycus californicus* (Starks & Mann 1911)
callista, *Lycenchelys* Anderson 1995 = *Lycenchelys callista* Anderson 1995
camchaticus, *Lycodes* Gilbert & Burke 1912 = *Lycenchelys camchatica* (Gilbert & Burke 1912)
campbellensis, *Ophthalmolycus (Lacrimolycus)* Andriashev & Fedorov 1986 = *Ophthalmolycus campbellensis* Andriashev & Fedorov 1986
caudimaculatus, *Lycodes* Matsubara 1936 = *Lycodes caudimaculatus* Matsubara 1936
celatus, *Lycodes* Jensen 1902 = *Lycodes rossi* Malmgren 1865
cerberus, *Thermarces* Rosenblatt & Cohen 1986 = *Thermarces cerberus* Rosenblatt & Cohen 1986
chauliodus, *Lycenchelys* Anderson 1995 = *Lycenchelys chauliodus* Anderson 1995
chilensis, *Crossolycus* Regan 1913 = *Crossostomus chilensis* (Regan 1913)
chilensis, *Ophthalmolycus* Anderson 1992 = *Ophthalmolycus chilensis* Anderson 1992
cicatrifer, *Lycodes* Garman 1899 = *Lycenchelys cicatrifer* (Garman 1899)
ciliatus, *Blennius* Mitchill 1814 = *Zoarcas americanus* (Bloch & Schneider 1801)
coccineus, *Lycodes* Bean 1881 = *Lycodes mucosus* Richardson 1855
colletti, *Lycodes* Popov 1931 = *Lycodes uschakovi* Popov 1931
concolor, *Lycodes* Gill & Townsend 1897 = *Lycodes concolor* Gill & Townsend 1897

- concolor*, *Lycodes* Roule & Despax 1911 = *Ophthalmolycus amberensis* (Tomo, Marschoff & Torno 1977)
conorhynchus, *Gymnelis* Garman 1899 = *Ophthalmolycus conorhynchus* (Garman 1899)
corteziana, *Aprodon* Gilbert 1890 = *Lycodes cortezianus* (Gilbert 1890)
crassiceps, *Lycenchelys* Roule 1916 = *Pachycara crassiceps* (Roule 1916)
crassilabris, *Lycodopsis* Gilbert 1890 = *Lycenchelys crotalinus* (Gilbert 1890)
crossacanthum, *Pachycara* Anderson 1989 = *Pachycara crossacanthum* Anderson 1989
crotalinus, *Lycodopsis* Gilbert 1890 = *Lycenchelys crotalinus* (Gilbert 1890)
crystallonota, *Lycogramma* Popov 1933 = *Bothrocara hollandi* (Jordan & Hubbs 1925)
daidaleus, *Exechodontes* DeWitt 1977 = *Exechodontes daidaleus* DeWitt 1977
dearborni, *Rhigophila* DeWitt 1962 = *Lycodichthys dearborni* (DeWitt 1962)
depressiceps, *Austrolycus* Regan 1913 = *Austrolycus depressiceps* Regan 1913
derjugini, *Lycodapus* Andriashev 1935 = *Lycodapus derjugini* Andriashev 1935
dermatinus, *Lycodapus* Gilbert 1896 = *Lycodapus dermatinus* Gilbert 1896
diapteroides, *Lycodes brevipes* Taranetz & Andriashev 1937 = *Lycodes brevipes* Bean 1890
diapterus, *Lycodes* Gilbert 1892 = *Lycodes diapterus* Gilbert 1892
digitatus, *Lycodes* Gill & Townsend 1897 = *Lycodes palearis* Gilbert 1896
diporus, *Gymnelus* Chernova 2000 = *Gymnelus diporus* Chernova 2000
dolloi, *Austrolycichthys* Andriashev & Fedorov 1986 = *Ophthalmolycus amberensis* (Tomo, Marschoff & Torno 1977)
effusus, *Phucocoetes variegatus* Smitt 1898 = *Iluocoetes elongatus* (Smitt 1898)
elegans, *Pogonolycus* Norman 1937 = *Pogonolycus elegans* Norman 1937
elongata, *Bothrocaropsis* Garman 1899 = *Bothrocara elongatum* (Garman 1899)
elongatus, *Nalbantichthys* Schultz 1967 = *Nalbantichthys elongatus* Schultz 1967
elongatus, *Phucocoetes variegatus* Smitt 1898 = *Iluocoetes elongatus* (Smitt 1898)
elongatus, *Zoarces* Kner 1868 = *Zoarces elongatus* Kner 1868
endemoscotus, *Lycodapus* Peden & Anderson 1978 = *Lycodapus endemoscotus* Peden & Anderson 1978
esipovi, *Gymnelus* Chernova 1999 = *Gymnelus esipovi* Chernova 1999
esmarkii, *Lycodes* Collett 1875 = *Lycodes esmarkii* Collett 1875
eudipleurostictus, *Lycodes* Jensen 1902 = *Lycodes eudipleurostictus* Jensen 1902
facali, *Iluocoetes* Lloris & Rucabado 1987 = *Iluocoetes fimbriatus* Jenyns 1842
fasciatus, *Iluocoetes fimbriatus* Lönnberg 1905 = *Crossostomus fasciatus* (Lönnberg 1905)
fasciatus, *Lycenchelys* Schmidt 1904 = *Lycodes fasciatus* (Schmidt 1904)
fedorovi, *Lycenchelys* Anderson & Balanov 2000 = *Lycenchelys fedorovi* Anderson & Balanov 2000
fierasfer, *Lycodapus* Gilbert 1890 = *Lycodapus fierasfer* Gilbert 1890
fimbriatus, *Iluocoetes* Jenyns 1842 = *Iluocoetes fimbriatus* Jenyns 1842
flaccidum, *Melanostigma* Waite 1914 = *Melanostigma gelatinosum* Günther 1881
flagellicauda, *Lycenchelys* Jensen 1902 = *Lycodonus flagellicauda* (Jensen 1902)
flavus, *Lycodes* Boulenger 1900 = *Phucocoetes latitans* Jenyns 1842
folletti, *Lycenchelys* Anderson 1995 = *Lycenchelys folletti* Anderson 1995
frigidus, *Lycodes* Collett 1879 = *Lycodes frigidus* Collett 1879
fulvus, *Lycodes* Toyoshima 1985 = *Lycodes fulvus* Toyoshima 1985
garricki, *Pachycara* Anderson 1990 = *Pachycara garricki* Anderson 1990
gelatinosum, *Melanostigma* Günther 1881 = *Melanostigma gelatinosum* Günther 1881
gillii, *Zoarces* Jordan & Starks 1905 = *Zoarces gillii* Jordan & Starks 1905
goni, *Pachycara* Anderson 1991 = *Pachycara goni* Anderson 1991

- gosztonyii*, *Dieidolycus* Anderson & Pequeño R. 1998 = *Dieidolycus gosztonyii* Anderson & Pequeño R. 1998
gracilis, *Gymnelus* Chernova 2000 = *Gymnelus gracilis* Chernova 2000
gracilis, *Lycodes* Sars 1867 = *Lycodes gracilis* Sars 1867
gronovii, *Zoarcetes* Valenciennes 1836 = *Zoarcetes americanus* (Bloch & Schneider 1801)
grossidens, *Lycodapus* Gilbert 1915 = *Lycodapus fierasfer* Gilbert 1890
guentheri, *Gymnelopsis ocellatus* Popov 1950 = *Gymnelopsis ocellata* Soldatov 1922
gymninium, *Pachycara* Anderson & Peden 1988 = *Pachycara gymninium* Anderson & Peden 1988
hacheyi, *Lycodes reticulatus* Vladykov 1933 = *Lycodes reticulatus* Reinhardt 1835
hadrogeneia, *Lycenchelys* Anderson 1995 = *Lycenchelys hadrogeneia* Anderson 1995
heinemanni, *Lycodes* Soldatov 1916 = *Lycodes heinemanni* Soldatov 1916
hemifasciatus, *Gymnelis* Andriashev 1937 = *Gymnelus hemifasciatus* Andriashev 1937
hippopotamus, *Lycenchelys* Schmidt 1950 = *Lycenchelys hippopotamus* Schmidt 1950
hollandi, *Allolepis* Jordan & Hubbs 1925 = *Bothrocarra hollandi* (Jordan & Hubbs 1925)
hubbsi, *Lycodes* Matsubara 1955 = *Lycodes hubbsi* Matsubara 1955
hubbsi, *Lycozoarces* Popov 1935 = *Lycozoarces regani* Popov 1933
humilis, *Gymnelopsis* Nazarkin & Chernova 2003 = *Gymnelopsis humilis* Nazarkin & Chernova 2003
hureaui, *Apodolycus* Andriashev 1979 = *Lycenchelys hureaui* (Andriashev 1979)
incisus, *Lycodes* Garman 1899 = *Lycenchelys incisus* (Garman 1899)
inexpectatum, *Melanostigma* Parin 1977 = *Melanostigma inexpectatum* Parin 1977
ingolfianus, *Lycenchelys* Jensen 1902 = *Lycenchelys paxillus* (Goode & Bean 1879)
insignis, *Platea* Steindachner 1898 = *Dadyanos insignis* (Steindachner 1898)
japonica, *Gengea* Katayama 1943 = *Gymnelopsis ochotensis* (Popov 1931)
japonicus, *Lycodes* Matsubara & Iwai 1951 = *Lycodes japonicus* Matsubara & Iwai 1951
jensenii, *Lycodes* Taranetz & Andriashev 1935 = *Lycodes jensenii* Taranetz & Andriashev 1935
jordani, *Lycodes* Evermann & Goldsborough 1907 = *Lycenchelys jordani* (Evermann & Goldsborough 1907)
jordaniana, *Davidojordania* Schmidt 1936 = *Davidijordania jordaniana* Schmidt 1936
jugoricus, *Lycodes* Knipowitsch 1906 = *Lycodes jugoricus* Knipowitsch 1906
knipowitschi, *Gymnelus* Chernova 1999 = *Gymnelus hemifasciatus* Andriashev 1937
knipowitschi, *Lycodes* Popov 1931 = *Lycodes mucosus* Richardson 1855
kolthoffi, *Lycenchelys* Jensen 1904 = *Lycenchelys kolthoffi* Jensen 1904
krefftii, *Aiakas* Gosztonyi 1977 = *Aiakas krefftii* Gosztonyi 1977
labradorensis, *Lycenchelys* Geistdoerfer, Hureau & Rannou 1970 = *Lycenchelys alba* (Vaillant 1888)
labrosus, *Blennius* Mitchell 1815 = *Zoarcetes americanus* (Bloch & Schneider 1801)
lacertinus, *Lycenchelys* Pavlenko 1910 = *Davidijordania lacertina* (Pavlenko 1910)
laevifasciatus, *Oidiphorus* Torno, Tomo & Marschoff 1977 = *Seleniolycus laevifasciatus* (Torno, Tomo & Marschoff 1977)
laticinctus, *Lycodes* Berg 1895 = *Austrolycus laticinctus* (Berg 1895)
latitans, *Phucocoetes* Jenyns 1842 = *Phucocoetes latitans* Jenyns 1842
laurentianus, *Lycodes reticulatus* Vladykov & Tremblay 1936 = *Lycodes reticulatus* Reinhardt 1835
lavalaei, *Lycodes* Vladykov & Tremblay 1936 = *Lycodes lavalaei* Vladykov & Tremblay 1936
lepinium, *Pachycara* Anderson & Peden 1988 = *Pachycara lepinium* Anderson & Peden 1988
leptodermatus, *Dieidolycus* Anderson 1988 = *Dieidolycus leptodermatus* Anderson 1988
leptus, *Lycodapus* Peden & Anderson 1981 = *Lycodapus leptus* Peden & Anderson 1981
lindbergi, *Hadropogonichthys* Fedorov 1982 = *Hadropogonichthys lindbergi* Fedorov 1982
lindbergi, *Lycodes* Popov 1931 = *Lycodes uschakovi* Popov 1931

lonchoura, *Lycenchelys* Anderson 1995 = *Lycenchelys lonchoura* Anderson 1995
longirostris, *Lycenchelys* Toyoshima 1985 = *Lycenchelys ratmanovi* Andriashev 1955
luetkenii, *Lycodes* Collett 1880 = *Lycodes luetkenii* Collett 1880
lugubris, *Lycodes* Lütken 1880 = *Lycodes gracilis* Sars 1867
lycodon, *Lycodapus* Gilbert 1915 = *Lycodapus mandibularis* Gilbert 1915
lyoderma, *Taranetzella* Andriashev 1952 = *Taranetzella lyoderma* Andriashev 1952
macrocephalus, *Lycodes reticulatus* Jensen 1904 = *Lycodes reticulatus* Reinhardt 1835
macrochir, *Lycodes* Schmidt 1937 = *Lycodes macrochir* Schmidt 1937
macrolepis, *Lycodes* Taranetz & Andriashev 1935 = *Lycodes macrolepis* Taranetz & Andriashev 1935
macrops, *Lycodes* Günther 1880 = *Ophthalmolycus macrops* (Günther 1880)
macropus, *Phucocoetes variegatus* Smitt 1898 = *Austrolycus laticinctus* (Berg 1895)
maculata, *Krusensterniella* Andriashev 1938 = *Krusensterniella maculata* Andriashev 1938
maculatus, *Lycenchelys* Toyoshima 1985 = *Lycenchelys maculata* Toyoshima 1985
maculatus, *Lycodes vahlii* Vladykov & Tremblay 1936 = *Lycodes vahlii* Reinhardt 1831
magellanicus, *Letholycus* Anderson 1988 = *Letholycus magellanicus* Anderson 1988
makushok, *Lycenchelys* Fedorov & Andriashev 1993 = *Lycenchelys makushok* Fedorov & Andriashev 1993
malvinensis, *Lycodonus* Gosztonyi 1981 = *Lycodonus malvinensis* Gosztonyi 1981
mandibularis, *Lycodapus* Gilbert 1915 = *Lycodapus mandibularis* Gilbert 1915
manusanus, *Pyrolycus* Machida & Hashimoto 2002 = *Pyrolycus manusanus* Machida & Hashimoto 2002
maoriensis, *Lycenchelys* Andriashev & Fedorov 1986 = *Lycenchelys maoriensis* Andriashev & Fedorov 1986
maeriorum, *Lycenchelys* Anderson 1990 = *Lycenchelys maoriensis* Andriashev & Fedorov 1986
marinae, *Haushia* Lloris 1988 = *Pogonolycus marinae* (Lloris 1988)
marisalbi, *Lycodes* Knipowitsch 1906 = *Lycodes marisalbi* Knipowitsch 1906
matsubarae, *Lycodes* Toyoshima 1985 = *Lycodes matsubarae* Toyoshima 1985
mcallisteri, *Lycodes* Møller 2001 = *Lycodes mcallisteri* Møller 2001
mcallisteri, *Oidiphorus* Anderson 1988 = *Oidiphorus mcallisteri* Anderson 1988
melanostomias, *Lycenchelys* Toyoshima 1983 = *Lycenchelys melanostomias* Toyoshima 1983
mesoporum, *Pachycara* Anderson 1989 = *Pachycara mesoporum* Anderson 1989
microcephalus, *Bothrocarichthys* Schmidt 1938 = *Bothrocarina microcephala* (Schmidt 1938)
microcephalus, *Lycodes* Jensen 1902 = *Pachycara microcephalum* (Jensen 1902)
microchir, *Lycodapus* Schmidt 1950 = *Lycodapus microchir* Schmidt 1950
microlepidotus, *Lycodes* Schmidt 1950 = *Lycodes microlepidotus* Schmidt 1950
microphthalmus, *Melanostigma* Norman 1937 = *Letholycus microphthalmus* (Norman 1937)
microporus, *Lycenchelys* Andriashev 1955 = *Lycenchelys micropora* Andriashev 1955
microporus, *Lycodes* Toyoshima 1983 = *Lycodes microporus* Toyoshima 1983
micropus, *Phucocoetes variegatus* Smitt 1898 = *Iluocoetes elongatus* (Smitt 1898)
middendorffii, *Hadropareia* Schmidt 1904 = *Hadropareia middendorffii* Schmidt 1904
mirabilis, *Lycodonus* Goode & Bean 1883 = *Lycodonus mirabilis* Goode & Bean 1883
mollis, *Bothrocara* Bean 1890 = *Bothrocara molle* Bean 1890
monstrosa, *Lycenchelys* Anderson 1982 = *Lycenchelys monstrosa* Anderson 1982
morenoi, *Lycodalepis* Lahille 1908 = *Austrolycus laticinctus* (Berg 1895)
mucosus, *Lycodes* Richardson 1855 = *Lycodes mucosus* Richardson 1855
multifasciatus, *Lycodes palearis* Schmidt 1950 = *Lycodes fasciatus* (Schmidt 1904)
multispinosa, *Krusensterniella* Soldatov 1922 = *Krusensterniella multispinosa* Soldatov 1922
muraena, *Lycodes* Collett 1878 = *Lycenchelys muraena* (Collett 1878)

nakamurae, *Furcimanus* Tanaka 1914 = *Lycodes nakamurae* (Tanaka 1914)
nanospinata, *Lycenchelys* Anderson 1988 = *Lycenchelys nanospinata* Anderson 1988
nazca, *Pachycara* Anderson & Bluhm 1997 = *Pachycara nazca* Anderson & Bluhm 1997
nazumii, *Allolepis* Mori 1956 = *Bothrocarina hollandi* (Jordan & Hubbs 1925)
nigricans, *Lycodes* Jensen 1952 = *Lycodes seminudus* Reinhardt 1837
nigripalatum, *Lycenchelys* DeWitt & Hureau 1979 = *Lycenchelys nigripalatum* DeWitt & Hureau 1979
nigrocaudata, *Bothrocarina* Suvorov 1935 = *Bothrocarina nigrocaudata* Suvorov 1935
notabilis, *Krusensterniella* Schmidt 1904 = *Krusensterniella notabilis* Schmidt 1904
obesa, *Pachycara* Zugmayer 1911 = *Pachycara bulbiceps* (Garman 1899)
obscurus, *Gymnelus* Chernova 2000 = *Gymnelus obscurus* Chernova 2000
obscurus, *Lycodes* Toyoshima 1985 = *Lycodes obscurus* Toyoshima 1985
ocellatus, *Gymnelopsis* Soldatov 1922 = *Gymnelopsis ocellata* Soldatov 1922
ocellatus, *Lycodes* Toyoshima 1985 = *Lycodes ocellatus* Toyoshima 1985
ochotensis, *Derjuginia* Popov 1931 = *Gymnelopsis ochotensis* (Popov 1931)
ochotensis, *Gymnelis viridis* Soldatov & Lindberg 1930 = *Gymnelus hemifasciatus* Andriashev 1937
ochotensis, *Lycodes brevipes* Schmidt 1950 = *Lycodes brevipes* Bean 1890
ophidium, *Lycenchelys* Jensen 1902 = *Lycodonus flagellicauda* (Jensen 1902)
orientale, *Melanostigma* Tominaga 1971 = *Melanostigma orientale* Tominaga 1971
ornatus, *Lycenchelys* Soldatov 1922 = *Bilabria ornata* (Soldatov 1922)
paamiuti, *Lycodes* Møller 2001 = *Lycodes paamiuti* Møller 2001
pachysoma, *Lycodapus* Peden & Anderson 1978 = *Lycodapus pachysoma* Peden & Anderson 1978
pacificus, *Lycodes* Collett 1879 = *Lycodes pacificus* Collett 1879
palearis, *Lycodes* Gilbert 1896 = *Lycodes palearis* Gilbert 1896
pallidus, *Lycodes* Collett 1879 = *Lycodes pallidus* Collett 1879
pammelas, *Melanostigma* Gilbert 1896 = *Melanostigma pammelas* Gilbert 1896
pammelas, *Pachycara* Anderson 1989 = *Pachycara pammelas* Anderson 1989
panthera, *Lycodes knipowitschi* Schmidt 1950 = *Lycodes mucosus* Richardson 1855
parallelus, *Embryx* Gilbert 1915 = *Lycenchelys crotalinus* (Gilbert 1890)
parini, *Lycenchelys* Fedorov 1995 = *Lycenchelys parini* Fedorov 1995
parviceps, *Lycodapus* Gilbert 1896 = *Lycodapus parviceps* Gilbert 1896
patagonica, *Maynea* Cunningham 1871 = *Maynea puncta* (Jenyns 1842)
paucidens, *Leurynnis* Lockington 1879 = *Lycodes pacificus* Collett 1879
paucilepidotus, *Lycodes* Toyoshima 1985 = *Lycodes paucilepidotus* Toyoshima 1985
pauciporus, *Gymnelus* Anderson 1982 = *Gymnelus pauciporus* Anderson 1982
pavlovskii, *Krusensterniella* Andriashev 1955 = *Krusensterniella pavlovskii* Andriashev 1955
paxilloides, *Lycodes* Goode & Bean 1883 = *Lycenchelys paxillus* (Goode & Bean 1879)
paxillus, *Lycodes* Goode & Bean 1879 = *Lycenchelys paxillus* (Goode & Bean 1879)
pearcyi, *Lycenchelys* Anderson 1995 = *Lycenchelys pearcyi* Anderson 1995
pectoralis, *Lycodes* Toyoshima 1985 = *Lycodes pectoralis* Toyoshima 1985
pelophilum, *Thermarces* Geistdoerfer 1999 = *Thermarces pelophilum* Geistdoerfer 1999
pentactina, *Lycenchelys* Anderson 1995 = *Lycenchelys pentactina* Anderson 1995
pequenoii, *Lycenchelys* Anderson 1995 = *Lycenchelys pequenoii* Anderson 1995
perspicillum, *Lycodes* Krøyer 1845 = *Lycodes reticulatus* Reinhardt 1835
peruana, *Lycenchelys* Anderson 1995 = *Lycenchelys peruana* Anderson 1995
pictus, *Gymnelus* Günther 1862 = *Gymnelus viridis* (Fabricius 1780)

- platei*, *Lycodes* (*Phucocoetus*) Steindachner 1898 = *Austrolycus laticinctus* (Berg 1895)
platycephalus, *Gymnelus* Chernova 1999 = *Gymnelus platycephalus* Chernova 1999
platyrhinus, *Lycodes* Jensen 1902 = *Lycenchelys platyrhina* (Jensen 1902)
pliciferus, *Lycenchelys* Andriashev 1955 = *Lycenchelys plicifera* Andriashev 1955
poecilimon, *Lycenchelys* Jordan & Fowler 1902 = *Davidijordania poecilimon* (Jordan & Fowler 1902)
poecilus, *Lycodapus* Peden & Anderson 1981 = *Lycodapus poecilus* Peden & Anderson 1981
polaris, *Blennius* Sabine 1824 = *Lycodes polaris* (Sabine 1824)
popovi, *Commandorella* Taranetz & Andriashev 1935 = *Gymnelus popovi* (Taranetz & Andriashev 1935)
porifer, *Lycodes* Gilbert 1890 = *Lycenchelys porifer* (Gilbert 1890)
psarostomatus, *Lycodapus* Peden & Anderson 1981 = *Lycodapus psarostomatus* Peden & Anderson 1981
punctus, *Conger* Jenyns 1842 = *Maynea puncta* (Jenyns 1842)
pusilla, *Maynea* Bean 1890 = *Bothrocara pusillum* (Bean 1890)
raridens, *Lycodes* Taranetz & Andriashev 1937 = *Lycodes raridens* Taranetz & Andriashev 1937
rassi, *Lycenchelys* Andriashev 1955 = *Lycenchelys rassi* Andriashev 1955
ratmanovi, *Lycenchelys* Andriashev 1955 = *Lycenchelys ratmanovi* Andriashev 1955
regani, *Lycozoarces* Popov 1933 = *Lycozoarces regani* Popov 1933
remigera, *Bothrocara* Gilbert 1915 = *Bothrocara molle* (Bean 1890)
remissaria, *Lycenchelys* Fedorov 1995 = *Lycenchelys remissaria* Fedorov 1995
reticulatus, *Lycodes* Reinhardt 1835 = *Lycodes reticulatus* Reinhardt 1835
retrodorsalis, *Gymnelis* Le Danois 1913 = *Gymnelus retrodorsalis* Le Danois 1913
riectolata, *Bothrocaropsis* Garman 1899 = *Bothrocara brunneum* (Bean 1890)
rimae, *Pachycara* Anderson 1989 = *Pachycara rimae* Anderson 1989
ringueleti, *Piedrabuenia* Gosztanyi 1977 = *Piedrabuenia ringueleti* Gosztanyi 1977
roseus, *Lycenchelys* Toyoshima 1985 = *Lycenchelys rosea* Toyoshima 1985
rossi, *Lycodes* Malmgren 1865 = *Lycodes rossi* Malmgren 1865
rubra, *Puzanovia* Fedorov 1975 = *Puzanovia rubra* Fedorov 1975
sadoensis, *Lycodes* Toyoshima & Honma 1980 = *Lycodes sadoensis* Toyoshima & Honma 1980
sagittarius, *Lycodes* McAllister 1976 = *Lycodes sagittarius* McAllister 1976
sarsii, *Lycodes* Collett 1871 = *Lycenchelys sarsii* (Collett 1871)
scaurus, *Lycodopsis* Garman 1899 = *Lycenchelys scaurus* (Garman 1899)
schmidti, *Lycodes* Gratzianov 1907 = *Lycodes schmidti* Gratzianov 1907
schmidti, *Lycodes* Soldatov 1918 = *Lycodes sigmatoides* Lindberg & Krasnyukova 1975
schmidti, *Lycogrammoides* Soldatov & Lindberg 1929 = *Lycogrammoides schmidti* Soldatov & Lindberg 1929
schmidti, *Notolycodes* Gosztanyi 1977 = *Notolycodes schmidti* Gosztanyi 1977
semenovi, *Lycodes* Popov 1931 = *Lycodes semenovi* Popov 1931
seminudus, *Lycodes* Reinhardt 1837 = *Lycodes seminudus* Reinhardt 1837
semisquamata, *Hadropareia* Andriashev & Matyushin 1989 = *Hadropareia semisquamata* Andriashev & Matyushin 1989
septentrionalis, *Lycenchelys sarsi* Knipowitsch 1906 = *Lycenchelys sarsii* (Collett 1871)
septentrionalis, *Lycodes vahli* Knipowitsch 1906 = *Lycodes gracilis* Sars 1867
serpens, *Lycodes* Garman 1899 = *Lycenchelys porifer* (Gilbert 1890)
shcherbachevi, *Pachycara* Anderson 1989 = *Pachycara shcherbachevi* Anderson 1989
sigmatoides, *Lycodes* Lindberg & Krasnyukova 1975 = *Lycodes sigmatoides* Lindberg & Krasnyukova 1975
similis, *Lycodes* Jensen 1902 = *Lycodes pallidus* Collett 1879
sobrali, *Crossostomus* Lloris & Rucabado 1989 = *Crossostomus chilensis* (Regan 1913)

soldatovi, *Gymnelus* Chernova 2000 = *Gymnelus soldatovi* Chernova 2000
soldatovi, *Lycodes* Taranetz & Andriashev 1935 = *Lycodes soldatovi* Taranetz & Andriashev 1935
soldatovi, *Lycogramma* Schmidt 1950 = *Bothrocara soldatovi* (Schmidt 1950)
spilotus, *Lycenchelys* Fowler 1943 = *Davidijordania poecilimon* (Jordan & Fowler 1902)
spitzbergensis, *Lycodes celatus* Jensen 1902 = *Lycodes rossi* Malmgren 1865
squamiventer, *Lycodes pallidus* Jensen 1904 = *Lycodes squamiventer* Jensen 1904
squamosus, *Lycenchelys* Toyoshima 1983 = *Lycenchelys squamosa* Toyoshima 1983
stehmanni, *Ophthalmolycus* Gosztanyi 1977 = *Plesienchelys stehmanni* (Gosztanyi 1977)
stigma, *Ophidium* Lay & Bennett 1839 = *Gymnelus viridis* (Fabricius 1780)
sulaki, *Pachycara* Anderson 1989 = *Pachycara sulaki* Anderson 1989
suspectus, *Phucocoetes* Garman 1899 = *Pachycara suspectum* (Garman 1899)
taeniatus, *Gymnelus* Chernova 1999 = *Gymnelus taeniatus* Chernova 1999
tanakae, *Lycodes* Jordan & Thompson 1914 = *Lycodes tanakae* Jordan & Thompson 1914
tangwangi, *Zoarcis* Wu 1930 = *Zoarcis gillii* Jordan & Starks 1905
taranetzi, *Lycodes* (*Furcimanus*) Andriashev 1975 = *Lycodes hubbsi* Matsubara 1955
teraoi, *Lycodes* Katayama 1943 = *Lycodes teraoi* Katayama 1943
terraenovae, *Lycodes* Collett 1896 = *Lycodes terraenovae* Collett 1896
thermophilum, *Pachycara* Geistdoerfer 1994 = *Pachycara thermophilum* Geistdoerfer 1994
tohokuensis, *Lycenchelys* Anderson & Imamura 2002 = *Lycenchelys tohokuensis* Anderson & Imamura 2002
toyamensis, *Petroschmidtia* Katayama 1941 = *Lycodes toyamensis* (Katayama 1941)
tristichodon, *Lycenchelys* DeWitt & Hureau 1979 = *Lycenchelys tristichodon* DeWitt & Hureau 1979
turneri, *Lycodes* Bean 1879 = *Lycodes turneri* Bean 1879
unernak, *Ophidium* Lacepède 1800 = *Gymnelus viridis* (Fabricius 1780)
unicolor, *Blennius viviparus* Walbaum 1792 = *Zoarcis americanus* (Bloch & Schneider 1801)
uschakovi, *Lycenchelys* Andriashev 1958 = *Lycenchelys uschakovi* Andriashev 1958
uschakovi, *Lycodes* Popov 1931 = *Lycodes uschakovi* Popov 1931
vachonii, *Lycodes* Vladikov & Tremblay 1936 = *Lycodes esmarkii* Collett 1875
vahlII, *Lycodes* Reinhardt 1831 = *Lycodes vahlII* Reinhardt 1831
variegatus, *Lycodes* Günther 1862 = *Iluocoetes fimbriatus* Jenyns 1842
vermiformis, *Lycodonus* Barnard 1927 = *Lycodonus vermiformis* Barnard 1927
verillii, *Lycodes* Goode & Bean 1877 = *Lycenchelys verillii* (Goode & Bean 1877)
virgata, *Puzanovia* Fedorov 1982 = *Puzanovia virgata* Fedorov 1982
viride, *Ophidium* Fabricius 1780 = *Gymnelus viridis* (Fabricius 1780)
vitiazi, *Lycenchelys* Andriashev 1955 = *Lycenchelys vitiazi* Andriashev 1955
vitiazi, *Melanostigma* (*Bandichthys*) Parin 1979 = *Melanostigma vitiazi* Parin 1979
viviparus, *Blennius* Linnaeus 1758 = *Zoarcis viviparus* (Linnaeus 1758)
volki, *Lycenchelys* Andriashev 1955 = *Lycenchelys volki* Andriashev 1955
wilkesi, *Lycenchelys* Anderson 1988 = *Lycenchelys wilkesi* Anderson 1988
xanthoptera, *Lycenchelys* Anderson 1991 = *Lycenchelys xanthoptera* Anderson 1991
yamotoi, *Lycodes* Toyoshima 1985 = *Lycodes yamotoi* Toyoshima 1985
ygreknotatus, *Lycodes* Schmidt 1950 = *Lycodes ygreknotatus* Schmidt 1950
zesta, *Bothrocara* Jordan & Fowler 1902 = *Bothrocara zestum* Jordan & Fowler 1902
zinorum, *Aiakas* Anderson & Gosztanyi 1991 = *Aiakas zinorum* Anderson & Gosztanyi 1991
zoarchus, *Lycodes* Goode & Bean 1896 = *Lycodes vahlII* Reinhardt 1831

Incertae Sedis Species-Group Names

americanus, *Enchelyopus* Gronow in Gray 1854:101 [ref. 1911]. If this species belongs to the genus *Zoarces*, the name will be secondarily preoccupied by *Zoarces americanus* (Bloch & Schneider 1901).

arctica, *Lycodes vahlii* Smitt 1900:57 [ref. 18731].

bathybius, *Lycodes* Schmidt 1950:105 [91 of translation], Pl. 9 (fig. 2) [ref. 12471].

extensus, *Lycodapus* Gilbert 1896:455 [ref. 1628]. Considered a nomen dubium by Peden and Anderson (1978:1957 [ref. 8895]).

grigorjewi, *Nemalycodes* Herzenstein 1896:14 [ref. 2151]. Nomen dubium. Chernova (1999 [ref. 24863]) tentatively placed this species in the synonymy of her newly described species *Gymnelus knipowitschi*; however, the specimen cannot be identified and the description is inadequate.

japonica, *Lycogramma* Oshima 1957:7 [ref. 12161]. May have been a specimen of a species of *Bothrocarra*, but the description contains no diagnostic characters and many errors. The holotype is lost (Anderson 1994 [ref. 21438]).

nebulosus, *Lycodes* Krøyer 1845:140 [ref. 19477].

ovoviviparus, *Blennius* Lacepède 1800:459, 496 [ref. 2709].

tanakae, *Zestichthys* Jordan & Hubbs 1925:321, Pl. 12 (fig. 1) [ref. 2486] (western North Pacific). In the genus *Bothrocarra*.

unimaculatus, *Gymnelus viridis* Richardson 1855:371, Pl. 30 [ref. 18631].

Unavailable Species-Group Names

borealis, *Lycodes vahlii* Smitt 1900:57 [ref. 18731]. Infrasubspecific. Also appeared in Smitt 1901:6 [ref. 18732].

frigida, *Lycodes reticulatus* Smitt 1901:29 [ref. 18732]. Not intended as new; treatment of *Lycodes frigidus* Collett 1879 as a subspecific name.

intermedia, *Lycodes rossi* Knipowitsch 1906:28 [ref. 15661]. Infrasubspecific. In the synonymy of *Lycodes rossi* Malmgren 1865.

marginalis, *Lycodes brevipes* Taranetz & Andriashev in Taranetz 1937:163 [ref. 13384]. Nomen nudum. In the synonymy of *Lycodes brevipes* Bean 1890.

megalcephala, *Lycodes rossi* Knipowitsch 1906:27 [ref. 15661]. Infrasubspecific. In the synonymy of *Lycodes rossi* Malmgren 1865.

normani, *Melanostigma* Vladykov 1961 [ref. 21358]. Nomen nudum.

pallida, *Lycodes vahlii* Smitt 1901:24 [ref. 18732]. Not intended as new; treatment of *Lycodes pallidus* Collett 1879 as a subspecific name. Included by authors in the synonymy of *Lycodes vahlii* Reinhardt 1831 or *Lycodes pallidus* Collett 1879.

paucidens, *Lycodes* Taranetz & Andriashev in Taranetz 1937:163 [ref. 13384]. Nomen nudum. Included by authors in the synonymy of *Lycodes raridens* Taranetz & Andriashev 1937 or *Lycodes brevicaudus* Taranetz & Andriashev 1935.

seminuda, *Lycodes reticulatus* Smitt 1901:31 [ref. 18732]. Not intended as new; treatment of *Lycodes seminudus* Reinhardt 1837 as a subspecific name.

squamosa, *Lycodes turneri atlanticus* Vladykov & Tremblay 1936:39 [ref. 11811]. Infrasubspecific.

subarctica, *Lycodes rossi* Knipowitsch 1906:27 [ref. 15661]. Infrasubspecific. In the synonymy of *Lycodes rossi* Malmgren 1865.

typica, *Lycodes rossi* Knipowitsch 1906:27 [ref. 15661]. Infrasubspecific.

typica, *Lycodes vahlii* Smitt 1901:26 [ref. 18732]. Not intended as new; treatment of *Lycodes vahlii* Reinhardt 1831 as a subspecific name *vahlii* (i.e., typical). Included by authors in the synonymy of *Lycodes pallidus* Collett 1879 or *Lycodes vahlii* Reinhardt 1831.

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