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**AN ANNOTATED CHECKLIST OF THE SPECIES OF THE LABROID FISH
FAMILIES LABRIDAE AND SCARIDAE**

by

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ABSTRACT

Parenti, Paolo and John E. Randall. 2000. An annotated checklist of the species of the Labroid fish families Labridae and Scaridae. *Ichthyological Bulletin of the J.L.B. Smith Institute of Ichthyology*, No. 68, 97 pages.

An annotated checklist of the species of the fish families Labridae and Scaridae is presented; 541 valid species are recognized, including 68 genera and 453 species of labrids and 10 genera and 88 species of scarids. Thirty undescribed species of wrasses and two undescribed parrotfish species are also included. A list of nominal species is given, with their present assignments; nominal species of uncertain status are placed as *incertae sedis* and listed separately. A list of *nomina nuda* is also provided. The valid genera and species are listed alphabetically, with their synonyms and distributions. Examination of the original descriptions and type material (when extant) of previously unplaced nominal species of labroid fishes led to identification of 69 new synonyms. The generic names *Artisia* de Beaufort, 1939 and *Emmeekia* Jordan & Evermann, 1896 are here recognized as new synonyms of *Halichoeres* Rüppell, 1835. For the Labridae, 65 new synonyms of valid species are listed. *Labrus psittaculus* Richardson, 1840, a valid species of *Pseudolabrus*, is a primary homonym of *Labrus psittaculus* Lacepède, 1801; the next available name for this species is *Labrichthys rubicunda* Macleay, 1881 and the new combination *Pseudolabrus rubicundus* is proposed. The following new combinations are included: *Pseudojulis inornatus* Gilbert, 1890 is a valid species of *Pseudojuloides*; *Xyrichtys perlas* Wellington et al., 1994 is a valid species of *Novaculichthys*. For Scaridae, *Sparus abildgaardii* Bloch, 1791 is a senior synonym of *Sparisoma chrysopterum* (Bloch & Schneider, 1801), but a request of the International Commission has been made to reject *abildgaardii* in order to conserve *S. chrysopterum*; and *Scarus visayanus* Herre, 1933 is a new synonym of *Scarus tricolor* Bleeker, 1847. *Pseudoscarus microcheilos* Bleeker, 1861 is a synonym of *Chlorurus strongylocephalus* (Bleeker, 1854).

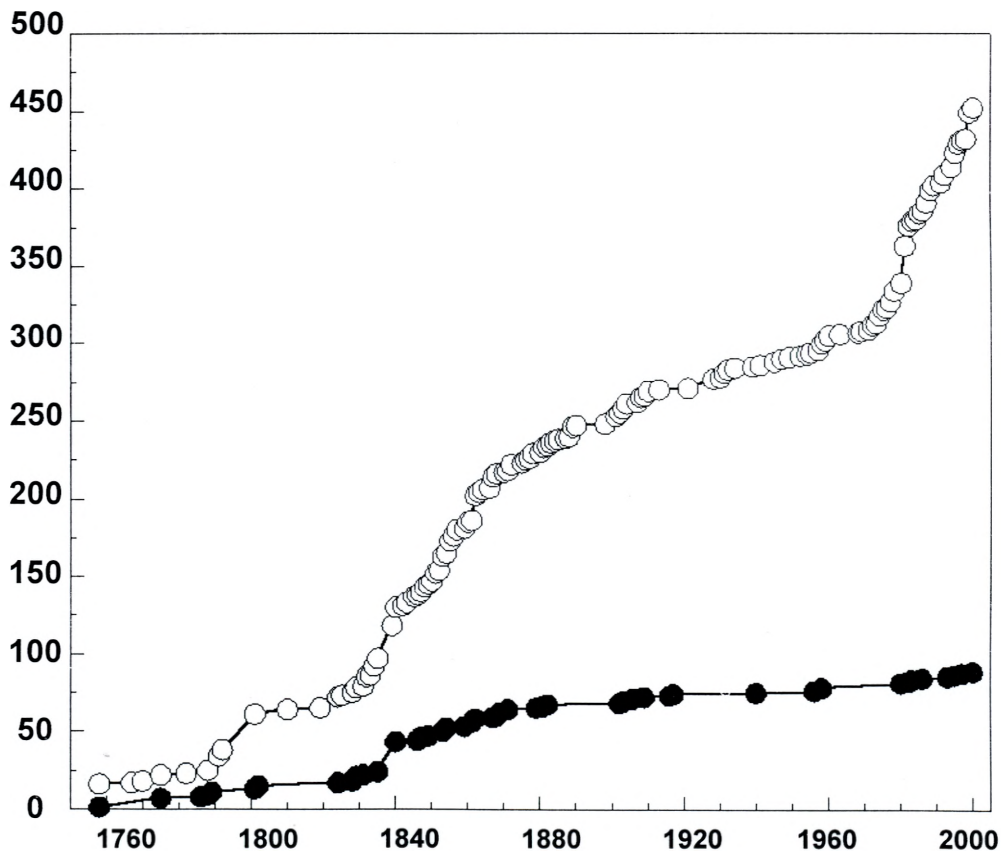


Figure 1. Cumulative number of species of Labridae (○) and Scaridae (●) described since the publication of Linnaeus' (1758) *Systema Naturae*.

AN ANNOTATED CHECKLIST OF THE SPECIES OF THE LABROID FISH FAMILIES LABRIDAE AND SCARIDAE

by

Paolo Parenti¹ and John E. Randall²

INTRODUCTION

Checklists of species are invaluable tools in the fields of natural science. They serve to consolidate our level of knowledge and at the same time reveal areas in need of further investigation. They may take the form of listing species for a geographical area or a compilation of the species of a taxonomic unit such as a family.

Among the vertebrates, fishes represent a class whose genera and species continue to increase every year. Figure 1 shows the increase in the number of nominal species of Labridae since our system of classification began with Linnaeus (1758). Nelson (1994) estimated that the number of described fish species is approaching 70-80% of the total number expected in the world. The sudden rise in the discovery of new species of fishes beginning about 1960 is correlated principally with the widespread use of scuba gear and ichthyocides which enabled ichthyologists to collect specimens that are not readily taken by ordinary fishing methods. Also of importance has been the greater emphasis among ichthyologists in recent years to revise taxa, thus revealing undescribed species long residing unidentified or misidentified on museum shelves.

The valid genera and species in the following checklist of labroid fishes are arranged alphabetically. The family Odacidae is here omitted, as it was recently revised by Gomon and Paxton (1986). Although it is widely accepted that the Labridae, Scaridae and Odacidae represent a monophyletic assemblage, inclusion of these three families into a single family is still a topic of debate. It was first suggested by Gomon and Russell (1981), then proposed by Kaufman and Liem (1982) and followed by some authors (Stiassny & Jensen, 1987; Webb, 1990). Although the Labridae may represent a paraphyletic assemblage (Bellwood, 1994; Gomon, 1997), the conventional family classification is here adopted. Attempts to classify the Labridae and Scaridae into phylogenetically sound subfamilies and tribes have not been satisfactory. Monophyly has not been established for most of these taxa (Westneat, 1993; Nelson, 1994; Gomon, 1997).

We present a brief introduction of general morphology and habitat for each family of labroid fishes. Each valid genus and species is accompanied by its synonyms. Details of subsequent designation of type species for the genera are given by Eschmeyer *et al.* (1997). The author Valenciennes in Cuvier & Valenciennes, 1839 and 1840 is abbreviated as Val., 1839 or 1840. Misidentifications are included only when a later author, upon noting that a misidentification is a new species, named it for the author who made the misidentification. We have excluded the species named by Curtiss, who privately published in 1938 *A Short Zoology of Tahiti*, in which 116 new species of fishes were described. Fowler (1949: 127) referred to Curtiss as an untrained novice and placed those Curtiss names that he could recognize in synonymy. He added, "Such a proposal as this author seeks to impose on taxonomic ichthyology hardly invites consideration. However, I have given his references only with the thought of their ultimate disposal rather than they should ever arise to further confuse the nomenclature".

We also summarize the distribution of each species. Definitions are needed for the general terms used in these summaries. "Indo-Pacific" refers to the tropical and subtropical regions of the Indian Ocean and western and central Pacific. For the present checklist, this means that a fish is widespread throughout the region from the east coast of Africa to at least the islands of French Polynesia. Although the Red Sea, Hawaiian Islands, Pitcairn Group, and even remote Easter Island are part of the Indo-Pacific region, they are mentioned when included in the species distribution. Our use of "western Pacific" includes a broad distribution from southern Japan to at least the Great Barrier Reef or coast of Queensland. "Western Indian Ocean" implies a distribution along the coast of Africa from Somalia to Mozambique or South Africa, as well as the islands west of the southern tip of India. "East Indies" refers to the islands of New Guinea, Borneo, Indonesia, and the Philippines (and generally to the Solomon Islands to the east and the Nicobars and Andamans to the northwest, though these areas have not been well collected). If a species' distribution extends from the East Indies to adjacent mainland areas of southeast Asia or northern Australia, the term "Indo-Malayan region" is employed. For many species, these summaries are approximations, as our knowledge of their distributions is still fragmentary.

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Family LABRIDAE Cuvier, 1816

(Wrasses)

Wrasses occur worldwide in tropical, subtropical, and temperate seas. Most species (82 %) are found in the Indo-Pacific region, with Australia having the largest labrid fish fauna (about 33% of the species and 70% of the genera). The species of Labridae vary greatly in shape, from slender to moderately deep-bodied, from long-snouted to short-snouted, and with caudal fins from rounded to lunate.

Characters that define the family are as follows: Mouth usually terminal, the jaws protractile, the maxilla not exposed when mouth is closed. Teeth in jaws usually conical and separate, those at front generally canines that often protrude; no teeth on roof of mouth except a few in some species of *Bodianus*; pharyngeal bones united, typically with strong nodular to molariform teeth. Lips often thick. Scales cycloid, usually 24-80 in longitudinal series (species of *Hologymnosus* with more than 100 scale series); head never fully scaled; lateral line continuous or interrupted. Vertebrae usually 23-42. Dorsal fin continuous, without a notch between spinous and soft portions (though soft-rayed part may be higher), with 8-21 spines (usually fewer than 15) and 6-21 soft rays; anal fin with 2-6 spines (usually 3) and 7-18 rays. The species of Labridae vary greatly in size from 5 to 230 cm total length.

Wrasses are diurnal, and although most species bury in sand at night to sleep, many wrasses merely take shelter at night. Most species occur on shallow coral reefs or rocky bottom, though some species of *Bodianus*, *Polylepion* and *Decodon* are found in depths of 200 m or more. Razorfishes (*Xyrichtys* and *Cymolutes*) occur over open stretches of sand into which they dive with the approach of danger.

All labrids are carnivorous; most feed mainly on a variety of small and large invertebrates, especially hard-shelled molluscs and crustaceans, which they crush with their pharyngeal teeth. A few species prey primarily upon small fishes, while others such as species of *Cirrhilabrus*, *Paracheilinus* and *Pseudocoris* feed on zooplankton. The species of *Labroides* and the young of some others feed on crustacean ectoparasites and mucus of fishes. Adults of the species of *Labrichthys*, *Labropsis*, and *Diproctacanthus* feed mainly on coral polyps.

The colour pattern may differ dramatically from juvenile to adult and with sex. The reproductive biology involves sex reversal: adults in the initial stage are usually female and generally less colourful. Some species have both females and males in the drab initial phase. Many terminal males are territorial and maintain an harem of females with which they spawn individually. The majority of wrasses have pelagic eggs, but some temperate species build nests of seaweed.

The Labridae is a very large family, third in number of species after Gobiidae and Serranidae. Nelson (1994) estimated the number of valid labrid species as 500 in about 60 genera. Our checklist includes 68 genera and 452 valid species (Fig. 1). An additional 29 undescribed species are also included by generic name. Doubtful genera and species are listed separately. Corrections are expected since some large genera such as *Coris* (under study by the second author), *Halichoeres* and *Xyrichtys* have not been revised. Examination of the original descriptions and type material of previously unplaced nominal species of labrid fishes led to identification of 65 new synonyms.

Although Russell (1980) identified six tribes, Hypsigenyini, Labrini, Cheilinini, Labrichthyini, Julidini and Novaculini, only Cheilinini (Westneat, 1993) and Hypsigenyini (Gomon, 1997) have been recognized as monophyletic. Cheilinini includes ten genera grouped in two lineages: the genera *Cheilinus*, *Doratonotus*, *Epibulus*, *Oxycheilinus* and *Wetmorella* form the "cheiline" lineage, and the genera *Cirrhilabrus*, *Paracheilinus*, *Pseudocheilinus*, *Pseudocheilinops* and *Pteragogus* form the "pseudocheiline" lineage. Randall (1999a) recognises the two cheiline lineages as two distinct tribes: Cheilinini and Cirrhilabrini, respectively. The Tribe Cirrhilabrini is diagnosed and expanded to include the genus *Conniella*.

The tribe Hypsigenyini comprises at least eight genera: *Achoerodus*, *Bodianus*, *Choerodon*, *Clepticus*, *Decodon*, *Polylepion*, *Semicossyphus* and *Xiphocheilus* (Gomon, 1997). The position of *Anchichoerops* within the Hypsigenyini is regarded as provisional. Finally, monophyly has been demonstrated for the pseudolabrids, a group of six labrid genera (*Austrolabrus*, *Dotalabrus*, *Eupetrichthys*, *Notolabrus*, *Pictilabrus* and *Pseudolabrus*) conventionally placed within the Julidini (Russell, 1988).

Genus *Acantholabrus* Valenciennes

Acantholabrus Val., 1839: 242 (type-species, *Lutjanus exoletus* (not of Linnaeus) Risso, (= *Lutjanus palloni* Risso, 1810) by subsequent designation).

One species (Bauchot & Quignard, 1973).

***Acantholabrus palloni* (Risso)**

Lutjanus palloni Risso, 1810: 263 (Nice, France).

Labrus pallidus Nardo, 1824b: 252 (Adriatic Sea).

Acantholabrus imbricatus Lowe, 1839: 86 (Madeira).

Acantholabrus couchii Val., 1839: 248 (Cornwall, England).

REMARKS: there is no type material for *Labrus pallidus* Nardo; however the species is described with enough details to identify it as *Acantholabrus palloni*.

DISTRIBUTION: Norway south to Cape Lopez, Gabon; Madeira, Azores, Canary Ids, and Mediterranean.

Genus *Achoerodus* Gill

Achoerodus Gill, 1863: 222 (type-species, *Labrus gouldii* Richardson, by original designation).

Heterochoerops Steindachner, 1866d: 52 (type-species, *H. viridis* Steindachner, by monotypy).

Platychoerops Klunzinger, 1880: 399 (type-species, *P. muelleri* Klunzinger, by original designation, preoccupied by Charlesworth, 1855 in Mammalia [not replaced; reported as synonym by McCulloch, 1929]).

Two species (Gomon, 1997); southern Australia.

Achoerodus gouldii (Richardson)

Labrus gouldii Richardson, 1843b: 353 (Western Australia).

Trochocopus unicolor Günther, 1876: 398 (Sydney, New South Wales, Australia).

Platychoerops muelleri Klunzinger, 1880: 399 [75], pl. 8, fig. 2 (King George Sound, Western Australia).

Platychoerops badius Ogilby, 1893: 134 (Port Jackson, New South Wales, Australia).

DISTRIBUTION: South Australia to Lancelin, Western Australia.

Achoerodus viridis (Steindachner)

Heterochoerops viridis Steindachner, 1866d: 52 (Port Jackson, New South Wales, Australia).

DISTRIBUTION: Queensland to Victoria.

Genus *Ammolabrus* Randall & Carlson

Ammolabrus Randall & Carlson, 1997: 30 (type-species, *A. dicrus* Randall & Carlson, by original designation).

One species.

Ammolabrus dicrus Randall & Carlson

Ammolabrus dicrus Randall & Carlson, 1997: 32 (Oahu, Makaha, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Genus *Anampses* Quoy & Gaimard

Anampses Quoy & Gaimard, 1824: 276 (type-species, *A. cuvier* Quoy & Gaimard, by monotypy).

Pseudanampses, Bleeker, 1862d: 101 (type-species, *Anampses pterophthalmus* Bleeker, by subsequent designation).

Anampesodax Bleeker, 1875: 82 (type-species, *A. lienardi* Bleeker [Appeared as "Gen? *Anampesodax Lienardi* Blkr"]).

Ampheces Jordan & Snyder, 1902: 628 (type-species, *Anampses geographicus* Valenciennes, by original designation).

Genus revised by Randall (1972); 13 species; Indo-Pacific.

Anampses caeruleopunctatus Rüppell

Anampses caeruleopunctatus Rüppell, 1829: 42, pl. 10, fig. 1 (El Tur, Sinai coast, Egypt, Gulf of Suez).

Anampses diadematus Rüppell, 1835: 21, pl. 6, fig. 3 (El Tur, Sinai coast, Egypt, Gulf of Suez).

Anampses lineolatus Bennett, 1836: 208 (Mauritius).

Anampses chlorostigma Val., 1840: 9 (Red Sea).

Anampses coeruleomaculatus Günther, 1881: pl. 138 (error for *caeruleopunctatus*).

Anampses taeniatus Liénard in Sauvage, 1891: 457 (Mauritius).

Anampses pulcher Regan, 1913: 371, pl. 58, fig. 3; pl. 59 (Easter Id, southeastern Pacific).

Anampses tinkhami Fowler, 1946: 162, fig. 30 (Aguni Shima, Ryukyu Ids, Japan).

DISTRIBUTION: Indo-Pacific, including Red Sea, South Africa, Easter Id and Line Ids.

Anampses chrysocephalus Randall

Anampses chrysocephalus Randall, 1958a: 100, fig. 3 (Oahu, Hawaiian Ids).

Anampses rubrocaudatus Randall, 1958a: 103, fig. 4 (Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Anampses cuvier Quoy & Gaimard

Anampses cuvier Quoy & Gaimard, 1824: 276, pl. 55, fig. 1 (Maui, Hawaiian Ids).

Anampses godeffroyi Günther, 1881: 252, pl. 140 (Hawaiian Ids).

Anampses evermanni Jenkins, 1901: 57, fig. 14 (Honolulu).

DISTRIBUTION: Hawaiian Ids.

Anampses elegans Ogilby

Anampses elegans Ogilby, 1889: 67 (Lord Howe Id).

Anampses variolatus Ogilby, 1889: 67 (Lord Howe Id).

DISTRIBUTION: New Zealand, Lord Howe Id, and New South Wales, Australia.

Anampses femininus Randall

Anampses femininus Randall, 1972: 176, pl. 3, figs. a-b (Hanga Piko, Easter Id, southeastern Pacific).

DISTRIBUTION: Easter Id to New South Wales and southern Great Barrier Reef.

Anampses geographicus Valenciennes

Anampses geographicus Val., 1840: 10, pl. 389 (Indian Ocean).

Anampses pterophthalmus Bleeker, 1857c: 81 (Ambon Id, Moluccas Ids, Indonesia).

Anampesodax lienardi Bleeker, 1875: 83 (Mauritius).

DISTRIBUTION: Mauritius to Western Australia, western Pacific, Tonga, Fiji, and Caroline Ids.

Anampses lennardi Scott

Anampses lennardi Scott, 1959: 86, fig. 6 (Point Samson, Western Australia, 20°38'S, 117°12'E).

DISTRIBUTION: northwestern Australia.

Anampses lineatus Randall

Anampses melanurus lineatus, Randall, 1972: 172, fig. 7 (Eilat, Israel, Gulf of Aqaba).

DISTRIBUTION: Red Sea and Indian Ocean to Indonesia.

Anampses melanurus Bleeker

Anampses melanurus Bleeker, 1857c: 79 (Ambon Id, Moluccas Ids, Indonesia).

DISTRIBUTION: South Africa and Japan to East Indies and French Polynesia.

Anampses meleagrides Valenciennes

Anampses meleagrides Val., 1840: 12 (Mauritius).
Anampses amboinensis Bleeker, 1857c: 80 (Ambon Id, Moluccas Ids, Indonesia).
Anampses meleagris Günther, 1862: 135 (unjustified emendation of *Anampses meleagrides* Valenciennes).
Anampses lunatus Sauvage (ex Liénard), 1891: 459 (Amboine; Zanzibar; Mauritius).
Anampses ikedai Tanaka, 1908: 32, pl. 1, fig. 2 (Kagoshima Pref., Japan).
Anampses nagayoi Tanaka, 1908: 34, pl. 1, fig. 3 (Kagoshima Pref., Japan).

DISTRIBUTION: Red Sea to South Africa, Samoa and Caroline Ids.

Anampses neoguinaicus Bleeker

Anampses neoguinaicus Bleeker, 1878: 57, pl. 3, fig. 4 (New Guinea).
Anampses fidjensis Sauvage, 1880: 224 (Fiji Ids).

DISTRIBUTION: western Pacific to Fiji.

Anampses twistii Bleeker

Anampses twistii Bleeker, 1856a: 56 (Ambon, Indonesia).

DISTRIBUTION: Indo-Pacific, including Red Sea.

Anampses viridis Valenciennes

Anampses viridis Val., 1840: (Mauritius).
Anampses rubroviridis Liénard in Sauvage, 1891: 458 (Mauritius).

DISTRIBUTION: Mauritius.

Genus *Anchichoerops* Barnard

Anchichoerops Barnard 1927: 746 (type-species, *Choerops natalensis* Gilchrist & Thompson, by monotypy).

One species.

Anchichoerops natalensis (Gilchrist & Thompson)

Choerops natalensis Gilchrist & Thompson, 1909: 259 (Natal, South Africa).

DISTRIBUTION: KwaZulu-Natal to Port St Johns, South Africa.

Genus *Austrolabrus* Steindachner

Austrolabrus Steindachner, 1884: 1100 (type-species, *Labrichthys maculata* Macleay, by monotypy).

One species.

Austrolabrus maculatus (Macleay)

Labrichthys maculata Macleay, 1881: 89 (King George Sound, Western Australia).

DISTRIBUTION: southern Australia: central New South Wales and between Kangaroo Id and Shark Bay.,

Genus *Bodianus* Bloch

Bodianus Bloch, 1790: 33 (type-species, *Bodianus bodianus* Bloch, by absolute tautonymy).
Harpe Lacepède, 1802: 426 (type-species, *Harpe caeruleoaurus* Lacepède, by monotypy).
Diastodon Bowdich, 1825: xii, 238 (type-species, *Diastodon speciosus* Bowdich, by monotypy).
Cossyphus Val., 1839: 102 (type-species, *Bodianus bodianus* Bloch, by subsequent designation; preoccupied by Olivier 1791 in Coleoptera and by Rafinesque 1815 and Dumont 1823 in Aves).
Ronchifex Gistel, 1848: VIII (type-species, *Bodianus bodianus* Bloch, replacement name for *Cossyphus Valenciennes*).
Lepidaplois Gill, 1862: 140 (type-species, *Cossyphus axillaris* Valenciennes, by monotypy).
Trochocopus Günther, 1862: 100 (type-species, *Trochocopus opercularis* Günther, by monotypy).
Cheiliopsis Steindachner, 1863a: 1113 (type-species, *Cheiliopsis bivittatus* Steindachner, by monotypy).
Euhypsocara Gill, 1863: 222 (type-species, *Cossyphus anthioides* of Günther, by original designation).
Gymnopropoma Gill, 1863: 222 (type-species, *Labrus bilunulatus* Lacepède, by original designation).
Verreo Jordan & Snyder, 1902: 619 (type-species, *Cossyphus oxycephalus* Bleeker, by original designation).
Verriculus Jordan & Evermann, 1903: 191 (type-species, *V. sanguineus* Jordan & Evermann, by original designation).
Chaeropsodes Gilchrist & Thompson, 1909: 260 (type-species, *C. pictus* Gilchrist & Thompson, by monotypy).
Pseudolepidaplois Blanchot & Blanc, 1961: 53 (type-species, *P. pfaffi* Bauchot & Blanc, by monotypy).

The genus is currently under revision by M. Gomon; 38 species (6 undescribed) are listed here. Mostly Indo-Pacific; 2 species in eastern Pacific and 6 in Atlantic.

Bodianus anthioides (Bennett)

Crenilabrus anthioides, Bennett, 1832a: 167 (Mauritius).
Cossyphus zosterophorus Bleeker, 1857c: 75 (Ambon Id, Moluccas Ids, Indonesia).
Cossyphus boutoni Liénard in Sauvage, 1891: 452 (Mauritius).
Cossyphus bicolor Liénard in Sauvage, 1891: 453 (Mauritius).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

Bodianus axillaris (Bennett)

Labrus axillaris Bennett, 1832a: 167 (Mauritius).
Cossyphus axillaris Val., 1839: 131, pl. 371 (Mauritius).
Cossyphus octomaculatus Liénard in Sauvage, 1891: 454 (Mauritius).
Lepidaplois albomaculatus Smith, 1957a: 101, fig. 1 (Mauritius).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

Bodianus bilunulatus (Lacepède)

Labrus bilunulatus Lacepède, 1801: 454, 526, pl. 31, fig. 2 (Great Equatorial Ocean [Mauritius]).
Cossyphus albotaeniatus Val., 1839: 141 (Hawaiian Ids).
Crenilabrus modestus Garrett, 1864: 106 (Honolulu fish market, Oahu Id, Hawaiian Ids).
Lepidaplois strophodes Jordan & Evermann, 1903: 103 (Honolulu, Oahu Id, Hawaiian Ids).
Lepidaplois richardsoni Fowler, 1908: 433, fig. 7 (Victoria, Australia).
Lepidaplois atrorubens Jordan [E.K.], 1925: 23, pl. 1, fig. 3 (Honolulu fish market, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Indo-Pacific. Three subspecies: *Bodianus bilunulatus albotaeniatus*: Hawaiian Ids; *Bodianus bilunulatus bilunulatus*: Indian Ocean and western Pacific; and *Bodianus bilunulatus* new subspecies, eastern central Pacific (M. Gomon, pers. comm.).

Bodianus bimaculatus Allen

Bodianus bimaculatus Allen, 1973: 386, fig. 1 (Bairakaseru Id, Ngemelis Ids, Palau Archipelago, Philippine Sea).

DISTRIBUTION: South Africa, Mauritius and Maldives to western Pacific.

Bodianus cylindriatus (Tanaka)

Verreo cylindriatus Tanaka, 1930: 941, pl. 187, fig. 513 (Tokyo fish market, Japan).

DISTRIBUTION: Japan, Taiwan, New Caledonia, and

northwestern Hawaiian Ids.

Bodianus diana (Lacepède)

Labrus diana Lacepède, 1801: 450, 522, pl. 32, fig. 1 (Indo-Pacific Ocean).
Cossyphus spilotes Guichenot, 1865: 13 (Réunion Id).
Lepidaplois aldabrensis Smith, 1955: 932, pl. 24 (Aldabra Id).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia, Samoa and Marshall Ids.

Bodianus diplotaenia (Gill)

Harpe diplotaenia Gill, 1862: 140 (Cape San Lucas, Baja California, Mexico).
Harpe pectorallis Gill, 1862: 141 (Cape San Lucas, Baja California, Mexico).

DISTRIBUTION: Baja California to Peru; records from Chile are questionable (M. Protti, pers. comm.).

Bodianus eclancheri (Valenciennes)

Cossyphus eclancheri Valenciennes, 1846: pl. 8, fig. 2 (Galápagos Ids); the species name dates to publication of the plate; the corresponding text was published later (Valenciennes, 1855: 340).

DISTRIBUTION: Ecuador to Chile, Galápagos Ids.

Bodianus frenchii (Klunzinger)

Cossyphus frenchii Klunzinger, 1880: 400 (King George Sound, Western Australia).
Trochocopus rufus Macleay, 1878b: 35, pl. 5, fig. 3 (King George Sound, Western Australia).

DISTRIBUTION: southeastern and southwestern Australia.

Bodianus insularis Gomon & Lubbock

Bodianus insularis Gomon & Lubbock, 1980: 106, figs. 1-3 (English Bay, Ascension Id).

DISTRIBUTION: Ascension, St. Helena and St. Paul's Rocks.

Bodianus izuensis Araga & Yoshino

Bodianus izuensis Araga & Yoshino in Masuda, Araga & Yoshino, 1975: 296, pl. 103, fig. G (off Izu Oceanic Park, Shizuoka Pref., Japan).

DISTRIBUTION: Japan, Taiwan, New Caledonia, and eastern Australia.

Bodianus leucosticticus (Bennett)

Labrus leucosticticus Bennett, 1832a: 166 (Mauritius).
Lepidaplois bourbon Fourmanoir & Guézé, 1961: 7, fig. 1 (Réunion Id).

DISTRIBUTION: Madagascar, Mauritius, Réunion, Comores, Indonesia, Taiwan, and southern Japan.

REMARKS: the specific name was misspelled as *leucostictus* by Smith (1957a), Randall (1986a), and Shen (1993).

Bodianus loxozonus (Snyder)

Lepidaplois loxozonus Snyder, 1908: 95 (Okinawa, Japan).
Lepidaplois trotteri Fowler & Bean, 1923: 20 (Tuamotu Ids).

DISTRIBUTION: two subspecies: *B. loxozonus*, *loxozonus*: western Pacific to Mariana and Marshall Ids, and *B. loxozonus trotteri* Line Ids to French Polynesia (Myers, 1989).

Bodianus macrognathos (Morris)

Lepidaplois macrognathos Morris, 1974: 632, figs. 1-2 (off Kanyika Id, Kenya, 2°27'S, 40°52'E, 65 m.).

DISTRIBUTION: Kenya and Oman.

Bodianus macrourus (Lacepède)

Labrus macrourus Lacepède, 1801: 438, 493, pl. 9, fig. 3 (Indo-Pacific Ocean).

Labrus hirsutus Lacepède, 1801: 429, 473, pl. 20, fig. 1 (Great Gulf of India).

Labrus rubrolineatus Lacepède, 1801: 433, 480 (Madagascar and Réunion Id).

Crenilabrus croceus Lesson, 1828: 407 (Mauritius).

Crenilabrus chabrolii Lesson, 1830: 133, pl. 38 (Mauritius).

Labrus spilonotus Bennett, 1836: 207 (Mauritius).

Cossyphus maldat Val., 1839: 114 (Mauritius).

Cossyphus macrurus Günther, 1862: 104 (unjustified emendation of *Labrus macrourus*, Lacepède).

DISTRIBUTION: western Indian Ocean.

Bodianus masudai Araga & Yoshino

Bodianus masudai, Araga & Yoshino in Masuda, Araga & Yoshino, 1975: 297, pl. 103, fig. H (off Izu Oceanic Park, Shizuoka Pref., Japan).

DISTRIBUTION: Japan, Taiwan, and New Caledonia.

Bodianus mesothorax (Bloch & Schneider)

Labrus mesothorax Bloch & Schneider, 1801: 254 (East Indies).

Scarus mordax Gronow in Gray, 1854: 64 (Indian Ocean).

DISTRIBUTION: western Pacific to Christmas Id (eastern Indian Ocean).

Bodianus neilli (Day)

Cossyphus neilli Day, 1867b: 560 (Madras, India).

DISTRIBUTION: India and Sri Lanka.

Bodianus opercularis (Guichenot)

Cossyphus opercularis Guichenot, 1847: 283 (Madagascar).
Trochocopus opercularis Günther, 1862: 100 (Mauritius?).
Cheiliopsis bivittatus Steindachner, 1863a: 1113, pl. 24, fig. 1-1c (Mauritius).

DISTRIBUTION: Red Sea and Indian Ocean to Indonesia.

Bodianus oxycephalus (Bleeker)

Cossyphus oxycephalus Bleeker, 1862d: 129 (Japan).

DISTRIBUTION: Japan.

Bodianus perditio (Quoy & Gaimard)

Labrus perditio Quoy & Gaimard, 1834: 702, pl. 20, fig. 4 (Tongatabu, Tonga Ids).

Cossyphus atrolumbus Val., 1839: 123 (Mauritius).

Trochocopus sanguinolentus De Vis, 1883: 287 (Cape Moreton, Queensland, Australia).

Cossyphus aurifer De Vis, 1884: 146 (Moreton Bay, Queensland, Australia).

Cossyphus latro De Vis, 1885: 878 (Moreton Bay).

Cossyphus nigromaculatus Gilchrist & Thompson, 1908: 197 (off Durban harbor, South Africa).

Chaeropsodes pictus Gilchrist & Thompson, 1909: 260 (Durban market, South Africa).

DISTRIBUTION: Indo-Pacific; anti-equatorial: southern Africa to the islands of southern Oceania and from Taiwan to southern Japan.

Bodianus prognathus Lobel

Bodianus prognathus Lobel, 1981: 45, figs. 1-4 (Fanning Id, Line Ids).

DISTRIBUTION: Line Ids, central Pacific.

Bodianus pulchellus (Poey)

Cossyphus pulchellus Poey, 1860: 208 (Cuba).

Harpe naevius Eigenmann, 1894: 630 (Rio de Janeiro, Brazil).

DISTRIBUTION: Bermuda, North Carolina to Florida, Gulf of Mexico, Caribbean and West Indies to Venezuela.

Bodianus rufus (Linnaeus)

Labrus rufus Linnaeus, 1758: 284 (America).

Bodianus bodianus Bloch, 1790: 33, pl. 223 (Brazil).

Lutjanus verres Bloch, 1791: 9, pl. 255 ("Japan"; evidently erroneous).

Sparus falcatus Bloch, 1791: 20, pl. 258 (Martinique Id)

Labrus semiruber Lacepède, 1801: 428, 473 (Brazil).

Bodianus blochii Lacepède, 1802: 279, 287 (Brazil).

Harpe caeruleoaurus Lacepède, 1802: 426, 427, pl. 8, fig. 2 (Martinique Id, West Indies).

Bodianus brachyrhynchus Miranda-Ribeiro, 1918: 787 (Estado de Bahia, Brazil).

DISTRIBUTION: Bermuda, North Carolina to Florida, Gulf of Mexico, Caribbean and West Indies to southern Brazil.
REMARKS: *Bodianus brachyrhynchus* is a synonym according to Luiz Alves Rocha (pers. comm.).

Bodianus sanguineus (Jordan & Evermann)

Verriculus sanguineus Jordan & Evermann, 1903: 191 (Hilo, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Bodianus scrofa (Valenciennes)

Labrus scrofa Val., 1839: 93 (Cape Verde Ids and Madeira).
Crenilabrus caninus Lowe, 1839: 84 (off Madeira).
Pseudolepidaplois pfaffi Bauchot & Blanc, 1961: 54, fig. 4 (Santa Cruz, Tenerife, Canary Ids).

DISTRIBUTION: eastern tropical Atlantic.

Bodianus speciosus (Bowdich)

Diastodon speciosus Bowdich, 1825: 238, fig. 41 (St Jago Id, Madeira).
Labrus iagonensis Bowdich, 1825: 234, fig. 47 (St Jago Id, Madeira and River Gambia, West Africa).
Cossyphus tredecimspinosus Günther, 1862: 107 (no locality).
Cossyphus jagonensis Troschel, 1866: 229 (emendation of *Labrus iagonensis* Bowdich).

DISTRIBUTION: eastern tropical Atlantic.

Bodianus tanyokidus Gomon & Madden

Bodianus tanyokidus Gomon & Madden, 1981: 122, figs. 2-3 (Mauritius).

DISTRIBUTION: Comoro Ids, Mauritius, southern Japan, southern Marianas.

Bodianus thoracotaeniatus Yamamoto

Bodianus thoracotaeniatus Yamamoto, in Amaoka et al., 1982: 245, pl. 170 (Kita Koho Seamount, Kyushu-Palau Ridge, W. Pacific, 26°45' N, 135°22' E; 345 m).

DISTRIBUTION: southern Japan and Taiwan.

Bodianus trilineatus (Fowler)

Lepidaplois trilineatus Fowler, 1934: 492, fig. 47 (Natal coast, South Africa).
Lepidaplois luteopunctatus Smith, 1957a: 102, pl. 1, fig. A (off Delagoa Bay, Mozambique).

DISTRIBUTION: Gulf of Aden to South Africa.

Bodianus unimaculatus (Günther)

Cossyphus unimaculatus Günther, 1862: 109, 506 (Australia).

Cossyphus bellis Ramsay & Ogilby, 1887c: 561 (Shoalhaven, New South Wales, Australia).

DISTRIBUTION: southeastern Australia, New Zealand, Lord Howe Id, and Norfolk Id to Easter Id.

Bodianus vulpinus (Richardson)

Cossyphus vulpinus Richardson, 1850: 71 (Australia).

DISTRIBUTION: western Australia.

***Bodianus* sp 1**

DISTRIBUTION: Western Australia.

***Bodianus* sp 2**

DISTRIBUTION: southeastern Australia and New Zealand.

***Bodianus* sp 3**

DISTRIBUTION: New Caledonia and eastern Australia.

***Bodianus* sp 4**

DISTRIBUTION: Cook Ids, Papua New Guinea, New Caledonia and Palau.

***Bodianus* sp 5**

DISTRIBUTION: Hawaiian Ids.

***Bodianus* sp 6**

DISTRIBUTION: Line Ids, central Pacific.

Genus *Centrolabrus* Günther

Centrolabrus Günther, 1861: 303 (type-species, *Labrus exoletus* Linnaeus, by subsequent designation).

Three species; eastern Atlantic.

Centrolabrus caeruleus Azevedo

Centrolabrus caeruleus Azevedo, 1999: 3, fig. 1, a-b (Ponta Delgada, São Miguel Id, Azores).

DISTRIBUTION: Azores Ids.

Centrolabrus exoletus (Linnaeus)

Labrus exoletus Linnaeus, 1758: 287 (Atlantic Ocean).
Labrus chinensis Linnaeus, 1758: 287 ("Asia" [probably Europe]).
Labrus pentacanthus Lacepède, 1801: 441, 503 (between Norway and Greenland).
Crenilabrus microstoma Thompson (ex Couch), 1837: 55 (Cornwall, England).

DISTRIBUTION: northeastern Atlantic from Greenland and Norway to Portugal.

REMARKS: synonymy from Bauchot (1963) and Bauchot and Quignard (1973). Lönnberg (1896) regarded *Labrus chinensis* as a synonym of *Labrus exoletus*. The diagnosis of *L. chinensis* is concise, but the anal-fin ray count of five spines in a total of 12 elements suggests that it may represent *C. exoletus*. Wheeler (1991: 178) examined the Linnean fish collection at Uppsala and concluded that the specimen labelled *Centrolabrus exoletus*, (ZIU 194) is apparently the type of *L. chinensis*. The type of *Labrus exoletus* is no longer extant. As stated by Wheeler, "if it became necessary in a revisionary study to designate a neotype for *L. exoletus*, it might be desirable to designate this specimen".

Centrolabrus trutta (Lowe)

Crenilabrus trutta Lowe, 1834: 143 (off Madeira).
Crenilabrus trutta var. *unicolor* Lowe, 1838: 187 (Madeira).
Acantholabrus viridis Val., 1839: 252 (Canary Ids).
Acantholabrus romeritus Valenciennes, 1843: 64 (Canary Ids).
Acantholabrus romerus Valenciennes, 1843: 64 (Lanzarote, Canary Ids).

DISTRIBUTION: Azores, Madeira, and Canary Ids.
REMARKS: synonymy from Gomon and Forsyth (1990).

Genus *Cheilinus* Lacepède

Cheilinus Lacepède, 1801: 529 (type-species, *Cheilinus trilobatus* Lacepède, by subsequent designation; *Chilinus* is a misspelling).
Crassilabrus Swainson, 1839: 172, 225 (type-species, *Cheilinus undulatus* Rüppell, by monotypy; proposed as subgenus).
Thalliurus Swainson, 1839: 230 (type-species, *Thalliurus blochii* Swainson, by monotypy; proposed as subgenus).
Urichthys Swainson, 1839: 172, 225 (type-species, *Labrus lunulatus* Forsskål, by subsequent designation; proposed as subgenus).

Seven species; Indo-Pacific. The genus is currently under revision by M.W. Westneat, J.E. Randall, and M.F. Gomon; synonymies should be considered provisional.

Cheilinus abudjubbe (Rüppell)

Cheilinus abudjubbe Rüppell, 1835: 18 (Red Sea).

DISTRIBUTION: Red Sea.

Cheilinus chlorourus (Bloch)

Sparus chlorourus Bloch, 1791: 24, pl. 260 (Japan).
Thalliurus blochii Swainson, 1839: 230 (no locality).
Cheilinus punctatus Bennett, 1832a: 167 (Mauritius).
Cheilinus punctulatus Val., 1840: 87, pl. 396 (Seychelles).
Cheilinus blochii Val., 1840: 108 (Japan).
Cheilinus guttatus Bleeker, 1847: 161 (Jakarta, Indonesia).
Cheilinus decacanthus Bleeker, 1851b: 256 (Indonesia).

DISTRIBUTION: Indo-Pacific, from South Africa to Japan,

Australia and central Pacific.

Cheilinus fasciatus (Bloch)

Sparus fasciatus, Bloch, 1791: 18, pl. 257 (Japan).
Labrus enneacanthus Lacepède, 1801: 433, 480 (no locality).
Sparus bandatus Perry, 1811: no page (Eastern Ocean).
Cheilinus quinquecinctus Rüppell, 1835: 19, pl. 6, fig. 1 (Jidda [Jeddah], Saudi Arabia, Red Sea).

DISTRIBUTION: Red Sea to Mozambique, Samoa and Marshall Ids.

REMARKS: *Sparus bandatus* is a synonym according to Whitley (1931b).

Cheilinus lunulatus (Forsskål)

Labrus lunulatus Forsskål, 1775: 37 (Jeddah, Red Sea).
Cheilinus lunifer Nichols, 1923: 3, fig. 3 (Djibouti).

DISTRIBUTION: Red Sea to Persian Gulf.

Cheilinus oxycephalus (Bleeker)

Cheilinus kettlitzii Val., 1840: 105 (Ulea, Caroline Ids).
Cheilinus sanguineus Val., 1840: 106 (Ulea, Caroline Ids).
Cheilinus oxycephalus Bleeker, 1853h: 349 (Indonesia).
Cheilinus calophthalmus Playfair & Günther, 1867: 90, pl. 11, fig. 4 (Zanzibar).

DISTRIBUTION: Indo-Pacific, from South Africa to Japan, Australia and central Pacific.

REMARKS: *Cheilinus kettlitzii*, *Cheilinus sanguineus*, and *Cheilinus calophthalmus*, are new synonyms of *Cheilinus oxycephalus* (Mark Westneat, pers. comm.). Fowler (1928: 362) emended *Cheilinus kettlitzii* to *kiltlitzii*, and regarded it as the valid name for the species presently known as *Oxycheilinus celebicus* (Bleeker). Randall and Parenti (1999) proposed that *kettlitzii* and *sanguineus* be suppressed in order to conserve *oxycephalus*.

Cheilinus trilobatus Lacepède

Cheilinus trilobatus Lacepède, 1801: 529, 537, pl. 31, fig. 3 (type localities, Réunion, Mauritius and Madagascar).
Cheilinus trilobus Schinz, in Cuvier, 1822: 427 (emendation of *Cheilinus trilobatus* Lacepède).
Cheilinus sinuosus Quoy & Gaimard, 1824: 278 (Madagascar, Hawaiian Ids and Mariana Ids).
Cheilinus rivulatus Val., 1840: 86 (New Ireland Id).
Cheilinus festivus Val., 1840: 104 (Oualan, Caroline Ids).
Cheilinus maculosus Val., 1840: 104 (Oualan Id).
Cheilinus nebulosus Richardson, 1846b: 261 (Sea of China).
Cheilinus tetrazona Bleeker, 1853c: 293 (Indonesia).
Cheilinus fasciatopunctatus Steindachner, 1863a: 1114, pl. 23 (Red Sea).
Cheilinus pulchellus Sauvage, 1880: 224 (Fiji Ids).

DISTRIBUTION: Indo-Pacific, from South Africa to Japan, Australia and central Pacific.

REMARKS: Daget (1968) discussed the status of *Cheilinus trilobus*.

Cheilinus undulatus (Rüppell)

- Cheilinus undulatus* Rüppell, 1835: 20, pl. 6, fig. 2 (Jidda [Jeddah], Saudi Arabia, Red Sea).
Cheilinus mertensii Val., 1840: 102 (Guam, Mariana Ids).
Chilinus godeffroyi Günther, 1872a: 666, pl. 66 (Tonga Ids).
Cheilinus rostratus Cartier, 1874: 103 (Cebu, Philippines).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

Genus *Cheilio* Lacepède

- Cheilio* Lacepède, 1802: 432 (type-species, *C. auratus* Lacepède, by subsequent designation).
Micropodus Rafinesque, 1815: 86 (unneeded replacement name for *Cheilio* Lacepède).
Eupemis Swainson, 1839: 173, 232 (type-species, *Labrus fusiformis* Rüppell, by monotypy; proposed as subgenus of *Julis* on p. 173 and as subgenus of *Gomphosis* on p. 233).

One species.

Cheilio inermis (Forsskål)

- Labrus inermis* Forsskål, 1775: 34 (Yemen, Red Sea).
Labrus hassek Lacepède, 1801: 444 513 (Arabia, *nomen novum*, for *Labrus inermis* Forsskål).
Cheilio auratus Lacepède, 1802: 432, 433 (Mauritius).
Cheilio fuscus Lacepède, 1802: 432, 433 (Mauritius).
Labrus fusiformis Rüppell, 1835: 7, pl. 1, fig. 4 (Jeddah, Saudi Arabia, and Massawa, Eritrea).
Cheilio cyanochloris Val., 1839: 346, pl. 382 (Mauritius).
Cheilio forskalii Val., 1839: 349 (Mauritius and Suez).
Cheilio hemichrysos Val., 1839: 351 (Hawaiian Ids).
Cheilio viridis Val., 1839: 352 (Vanikoro, Santa Cruz Ids).
Cheilio microstoma Val., 1839: 353 (no locality).
Cheilio ramosus Jenyns, 1842: 102 (Japan).
Cheilio bicolor Bianconi, 1857: 100 (Mozambique).
Cheilio udanad Montrouzier, 1857: 470 (Woodlark Id).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Hawaiian Ids, Australia and Easter Id.

REMARKS: synonymy from Fowler (1928) de Beaufort (1940), and Bauchot (1963).

Genus *Choerodon* Bleeker,

- Choerodon* Bleeker, 1849: 10 (type-species, *Labrus macrodontus* Lacepède, by monotypy).
Choerops Rüppell, 1852: 20 (type-species, *Choerops meleagris* Rüppell, by monotypy).
Cossyphodes Bleeker, 1860a: 37 (type-species, *Labrus macrodontus* Lacepède, by monotypy).
Hypsigenys Günther, 1861: 383 (type-species, *Labrus macrodontus* Lacepède, by monotypy).
Torresia Castelnau, 1875: 36 (type-species, *T. australis* Sauvage, by monotypy).
Lienardella Fowler & Bean, 1928: 202 (type-species, *Lepidaplois mirabilis* Snyder, by original designation; proposed as a subgenus).
Macrochoerodon Fowler & Bean, 1928: 200 (type-species,

Crenilabrus oligacanthus Bleeker, by original designation).

- Pealopesia* Smith, 1949: 370 (type-species, *Xiphochilus gymnogenys* Günther, by original designation).
Aspiurochilus Fowler, 1956: 176 (type-species, *Crenilabrus stejneri* Ishikawa, by original designation; proposed as a subgenus).
Choerodonoides Kamohara, 1958: 2 (type-species, *C. japonicus* Kamohara, by original designation).

Twenty-three species plus two undescribed species; Indo-Pacific. We follow Gomon (1974a) in placing *Lienardella* Fowler & Bean in synonymy. The genus is being revised by M.F. Gomon. Names and synonyms are provisional.

Choerodon anchorago (Bloch)

- Sparus anchorago* Bloch, 1791: 108, pl. 276 ("Received from the Holland auction").
Labrus macrodontus Lacepède, 1801: 451, 522 (no locality).
Cossyphus macrodon Bleeker, 1849a: 10 (unjustified emendation of *Labrus macrodontus* Lacepède).
Choerops meleagris Rüppell, 1852: 20 (Mare Javanicum).
Labrus chlorodus Gray, 1854: 80 (no locality).
Crenilabrus leucozona Bleeker, 1858c: 238 (Indonesia).
Choerops maeander Cartier, 1874: 102 (Cebu, Philippines).
Choerodon weberi Ogilby, 1911: 52 (Aru Ids, Indonesia).

DISTRIBUTION: Sri Lanka to Ryukyus, French Polynesia and New Caledonia.

Choerodon azurio (Jordan & Snyder)

- Labrus japonicus* Val., 1839: 99 (Japan; preoccupied by *Labrus japonicus* Houttuyn, 1782 *nomen dubium*).
Choerops azurio Jordan & Snyder, 1901: 747 *nomen novum* for *Labrus japonicus* Valenciennes.
Crenilabrus stejneri Ishikawa, 1904: 13, pl. 6, fig. 2 (Miyako-jima, Ryukyu Ids, Japan).

DISTRIBUTION: Taiwan, Japan.

REMARKS: M.F. Gomon informed us that *Crenilabrus stejneri* is a synonym of *C. azurio*.

Choerodon cauteroma Gomon & Allen

- Choerodon cauteroma* Gomon & Allen, 1987: 25 (Exmouth Gulf, Western Australia).

DISTRIBUTION: western Australia.

Choerodon cephalotes (Castelnau)

- Chaerops cephalotes* Castelnau, 1875: 39 (Queensland).
Choerops perpulcher De Vis, 1885: 877 (Queensland).
Choerops macleayi Ramsay & Ogilby, 1887: 241 (Port Jackson, New South Wales, Australia).
Choerops hodgkinsonii Saville-Kent, 1893: 296, 370, pl. 15, fig. 2 (Port Denison, Queensland, Australia).

DISTRIBUTION: northern Australia.

***Choerodon cyanodus* (Richardson)**

Labrus cyanodus, Richardson, 1843b: 355 (Black Point, Port Essington, Queensland, Australia).
Chaerops crassus Castelnau, 1875: 39 (Dampier Archipelago, Western Australia).
Choerops albigena De Vis, 1885: 876 (Queensland).
Choerops olivaceus De Vis, 1885: 876 (Queensland).
Choerops unimaculatus De Vis, 1885: 877 (Great Barrier Reef; preoccupied by *Choerops unimaculatus* Cartier, 1874 [= *Choerodon schoenleinii* (Valenciennes)]).
? *Choerops concolor* De Vis, 1885: 878 (Queensland).

DISTRIBUTION: Indonesia and north coast of Australia.
REMARKS: Assignment of the De Vis names from M.F. Gomon (pers. comm.).

***Choerodon fasciatus* (Günther)**

Xiphochilus fasciatus Günther, 1867: 101, pl. 10 (Cape York, Queensland, Australia).
Lepidaplois mirabilis Snyder, 1908: 96 (Okinawa, Japan).
Choerodon balerensis Herre, 1950: 149 (Philippines).

DISTRIBUTION: western Pacific.
REMARKS: *Choerodon balerensis* is a synonym according to M.F. Gomon (pers. comm.).

***Choerodon frenatus* Ogilby**

Choerodon frenatus Ogilby, 1910b: 99 (north of Double Id Point, Queensland, Australia).

DISTRIBUTION: northeastern Australia.

***Choerodon graphicus* (De Vis)**

Choerops graphicus De Vis, 1885: 878 (Queensland).
Choerodon transversalis Whitley, 1956: 258, fig. 7 (Heron Id, Capricorn Group, Queensland, Australia).

DISTRIBUTION: New Caledonia, southern Great Barrier Reef.

***Choerodon gymnogenys* (Playfair & Günther)**

Xiphochilus gymnogenys Playfair & Günther, 1867: 85, pl. 12, fig. 4 (Zanzibar).

DISTRIBUTION: Tanzania. Kenya? Mozambique?

***Choerodon jordani* (Snyder)**

Choerops jordani Snyder, 1908: 98 (Okinawa Id, Japan).

DISTRIBUTION: western Pacific.

***Choerodon margaritiferus* (Fowler & Bean)**

Choerodon margaritiferus Fowler & Bean, 1928: 197 (Jolo market, Philippines).

DISTRIBUTION: New Caledonia, Philippines.

***Choerodon melanostigma* (Fowler & Bean)**

Choerodon melanostigma Fowler & Bean, 1928: 199, pl. 16 (Jolo market, Philippines).

DISTRIBUTION: Philippines; records from New Caledonia are misidentifications of *C. jordani*.

***Choerodon monostigma* (Ogilby)**

Choerodon monostigma Ogilby, 1910b: 102 (Queensland).

DISTRIBUTION: northern Australia and New Guinea.

***Choerodon oligacanthus* (Bleeker)**

Crenilabrus oligacanthus Bleeker, 1851c: 489 (Rio [Rhio or Riouw], Indonesia).
Choerops palawanensis Seale, 1910: 523 (Philippines).

DISTRIBUTION: Indonesia, Philippines.

***Choerodon paynei* Whitley**

Choerodon paynei Whitley, 1945: 29, fig. 14 (Dirk Hartog Id, Western Australia).

DISTRIBUTION: western Australia.

***Choerodon robustus* (Günther)**

Xiphochilus robustus Günther, 1862: 98 (Mauritius).
Cossyphus maxillosus Guichenot, 1865: 23 (Réunion Id).
Choerops dodecacanthus Bleeker, 1868: 275 (Réunion Id).
Choerodon pescadorensis Yu, 1968: 10, fig. 4 (Pescadores Ids, Taiwan).

DISTRIBUTION: Red Sea, Réunion, Mauritius, Taiwan, Japan.
REMARKS: *Choerodon pescadorensis* Yu is a synonym (S.C. Shen, pers. comm.).

***Choerodon rubescens* (Günther)**

Choerops rubescens Günther, 1862: 97 (Houtman Abrolhos, Western Australia).

DISTRIBUTION: western Australia.

***Choerodon schoenleinii* (Valenciennes)**

Cossyphus schoenleinii Val., 1839: 143 (Indonesia).
Cossyphus cyanostolus Richardson, 1846b: 256 (China).
Cossyphus ommopterus Richardson, 1846b: 257 (China).
Choerops unimaculatus Cartier, 1874: 102 (Philippines).
Torresia australis Castelnau, 1875: 36 (Queensland).
Torresia lineata De Vis, 1885: 881 (Cardwell, Queensland).
Chaerops notatus Alleyne & Macleay, 1877: 344, pl. 16, fig. 1 (Cape Grenville, Queensland, Australia).
? *Choerops nyctemblema* Jordan & Evermann, 1902: 353, fig. 21 (Taiwan).
Choerodon rubidus Scott, 1959: 89, fig. 7 (Shark Bay, Western Australia).
Choerodon quadrifasciatus Yu, 1968: 11, fig. 5 (Taiwan).

DISTRIBUTION: Okinawa to Indonesia and Australia.
REMARKS: Synonymy from M.F. Gomon, (pers. comm.).

Choerodon sugillatum Gomon

Choerodon sugillatum Gomon, 1987: 19 (Cape Bedford, Queensland, Australia).

DISTRIBUTION: Queensland to northwestern Australia.

Choerodon venustus (De Vis)

Choerops venustus De Vis, 1884: 147 (Moreton Bay, Queensland, Australia).

Choerodon ambiguus Ogilby, 1910b: 100 (Queensland).

DISTRIBUTION: Great Barrier Reef to southeastern Australia.
REMARKS: Synonymy from M.F. Gomon, (pers. comm.).

Choerodon vitta (Ogilby)

Choerodon vitta Ogilby, 1910a: 13 (Aru Ids, Indonesia).

DISTRIBUTION: Aru Ids, Papua New Guinea, and northern Australia.

Choerodon zamboangae (Seale & Bean)

Choerops zamboangae Seale & Bean, 1907: 236, fig. 6 (Zamboanga, Philippines).

DISTRIBUTION: West Pacific.

Choerodon zosterophorus (Bleeker)

Choerops zosterophorus Bleeker, 1868: 273, pl. 12, top fig. (Great Kai Id, Indonesia).

Choerops brenchleyi Günther, 1872b: 424 (Indonesia).

DISTRIBUTION: East Indies.

Genus *Cirrhilabrus* Temminck & Schlegel

Cirrhilabrus Temminck & Schlegel, 1845: 167 (type-species, *Cirrhilabrus temminckii* Bleeker, by subsequent designation).

Cheilinoides Bleeker, 1851a: 71 (type-species, *Cheilinoides cyanopleura* Bleeker, by monotypy).

Cirrhilabrichthys Klausewitz, 1976: 12 (type-species, *C. filamentosus* Klausewitz, by original designation).

Neocirrhilabrus Cheng & Wang, 1979: 73 (type-species, *N. oxyurus* Cheng & Wang, by original designation).

Thirty-six species and 5 undescribed species. Red Sea to Central Pacific.

Cirrhilabrus adornatus Randall & Kunzmann

Cirrhilabrus adornatus Randall & Kunzmann, 1998: 41, figs. 1-4 (Pulau Ular, off Padang, Sumatra, Indonesia).

DISTRIBUTION: Sumatra and Mentawai Ids.

Cirrhilabrus aurantidorsalis Allen & Kuitert

Cirrhilabrus aurantidorsalis Allen & Kuitert, 1999: 134, figs. 1-3 (Batudaka Id., Togean Islands, Indonesia).

DISTRIBUTION: Indonesia.

Cirrhilabrus balteatus Randall

Cirrhilabrus balteatus Randall, 1988: 210, pls. 1, figs. c-d, 3, figs. d-f (Eniwetak Atoll, Marshall Ids).

DISTRIBUTION: Marshall Ids.

Cirrhilabrus blatteus Springer & Randall

Cirrhilabrus blatteus Springer & Randall, 1974: 48, figs. 2-3 (Eilat, Israel, Gulf of Aqaba, Red Sea).

DISTRIBUTION: Red Sea.

Cirrhilabrus condei Allen & Randall

Cirrhilabrus condei Allen & Randall, 1996: 102, figs. 1-2 (Rausch Pass, Madang, Papua New Guinea).

DISTRIBUTION: Papua New Guinea and Great Barrier Reef.

Cirrhilabrus cyanopleura (Bleeker)

Cheilinoides cyanopleura Bleeker, 1851a: 72, pl. 1 (Batavia [Jakarta], Indonesia).

Cirrhilabrus heterodon Bleeker, 1871: 326, fig. 1 (Ambon Id, Moluccas Ids, Indonesia).

Cirrhilabrus lyukyuensis Ishikawa, 1904: 12, pl. 6, fig. 1 (Naha, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: western Indonesia to southern Japan.

REMARKS: synonymy from Randall & Shen, 1978.

Cirrhilabrus exquisitus Smith

Cirrhilabrus exquisitus Smith, 1957a: 109, fig. 4, pl. 2, fig. E (Pinda, Mozambique).

DISTRIBUTION: Indo-Pacific.

Cirrhilabrus filamentosus (Klausewitz)

Cirrhilabrichthys filamentosus Klausewitz, 1976: 12, figs. 1-3 (Java Sea, [aquarium import from Indonesia]).

DISTRIBUTION: Indonesia.

Cirrhilabrus flavidorsalis Randall & Carpenter

Cirrhilabrus flavidorsalis Randall & Carpenter, 1980: 21, figs. 1B, 7-8 (Monthage Id, Sulawesi, Indonesia).

DISTRIBUTION: Philippines and Indonesia.

***Cirrhilabrus johnsoni* Randall**

Cirrhilabrus johnsoni Randall, 1988: 217, pl. 2, fig. c
(Kwajalein Atoll, Marshall Ids).

DISTRIBUTION: Marshall Ids.

***Cirrhilabrus jordani* Snyder**

Cirrhilabrus jordani Snyder, 1904: 529, pl. 10, fig. 18
(between Maui and Lanai islands, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

***Cirrhilabrus katherinae* Randall**

Cirrhilabrus katherinae Randall, 1992a: 108, pl. 3 B,C
(Igaya Bay, Miyake-jima, Izu Ids, Japan).

DISTRIBUTION: Mariana Ids and Izu Ids.

***Cirrhilabrus katoii* Senou & Hirata**

Cirrhilabrus katoii Senou & Hirata, 2000: 89, fig. 1
(Hachijo-jima Id, Izu Ids, Japan).

DISTRIBUTION: Izu Ids and Kashiwa-jima Id, Japan.

***Cirrhilabrus laboutei* Randall & Lubbock**

Cirrhilabrus laboutei Randall & Lubbock, 1982: 2, pl. 1,
figs A-B (south of Nouméa, New Caledonia).

DISTRIBUTION: New Caledonia, Loyalty Ids and Great
Barrier Reef.

***Cirrhilabrus lanceolatus* Randall & Masuda**

Cirrhilabrus lanceolatus Randall & Masuda, 1991: 57, figs.
6-8 (Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: Honshu to Ryukyu Ids.

***Cirrhilabrus lineatus* Randall & Lubbock**

Cirrhilabrus lineatus Randall & Lubbock, 1982: 6, pl. 1,
fig. C (Mato Pass, off southern end of New Caledonia).

DISTRIBUTION: New Caledonia, Loyalty Ids, and Great
Barrier Reef.

***Cirrhilabrus lubbocki* Randall & Carpenter**

Cirrhilabrus lubbocki Randall & Carpenter, 1980: 18, figs.
1A, 2-6 (Mactan Id, Cebu Prov., Philippines).

DISTRIBUTION: Philippines and Indonesia.

***Cirrhilabrus lunatus* Randall & Masuda**

Cirrhilabrus lunatus Randall & Masuda, 1991: 54, figs. 1-5
(Sesoko Id, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: Ryukyu Ids and Ogasawara Ids.

***Cirrhilabrus luteovittatus* Randall**

Cirrhilabrus luteovittatus Randall, 1988: 203, pl. 1, figs. a-
b; pl. 3, figs a-c (Enewetak Atoll, Marshall Ids).

DISTRIBUTION: Caroline and Marshall Ids.

***Cirrhilabrus melanomarginatus* Randall & Shen**

Cirrhilabrus melanomarginatus Randall & Shen, 1978: 14,
pl. 2B (Mao Pi Tou, Taiwan).
Neocirrhilabrus oxyurus Cheng & Wang, 1979: 73 (China).

DISTRIBUTION: Taiwan, Philippines, and South China Sea.

***Cirrhilabrus morrisoni* Allen**

Cirrhilabrus morrisoni Allen, 1999: 120, figs. 1-4 (Hiberia
Reef, western Timor Sea off northwestern Australia).

DISTRIBUTION: known only from the type locality.

***Cirrhilabrus punctatus* Randall & Kuitert**

Cirrhilabrus punctatus Randall & Kuitert, 1989: 44, figs. 1-
7 (One Tree Id, Capricorn Group, Great Barrier Reef).

DISTRIBUTION: New South Wales, Great Barrier Reef,
Papua New Guinea, Lord Howe Id, Fiji, and Tonga.

***Cirrhilabrus pylei* Allen & Randall**

Cirrhilabrus pylei Allen & Randall, 1996: 105, figs. 3-4
(Milne Bay Prov., Papua New Guinea).

DISTRIBUTION: Papua New Guinea.

***Cirrhilabrus randalli* Allen**

Cirrhilabrus randalli Allen, 1995a: 14, figs. 1-3 (Mermaid
Reef, Rowley Shoals, Western Australia).

DISTRIBUTION: northwestern Australia.

***Cirrhilabrus rhomboidalis* Randall**

Cirrhilabrus rhomboidalis Randall, 1988: 215, pl. 2, figs.
a-b; pl. 3, fig. 8 (Kwajalein Atoll, Marshall Ids).

DISTRIBUTION: Marshall Ids.

***Cirrhilabrus roseafascia* Randall & Lubbock**

Cirrhilabrus roseafascia Randall & Lubbock, 1982: 9, pl.
1, fig. D (Bulari Pass, south of Nouméa, New Caledonia).

DISTRIBUTION: New Caledonia.

***Cirrhilabrus rubrimarginatus* Randall**

Cirrhilabrus rubrimarginatus Randall, 1992a: 114, pl. 2 A-

C (Sesoko Id, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: Ryukyu Ids to Vanuatu, Fiji, and Tonga.

Cirrhilabrus rubripinnis Randall & Carpenter

Cirrhilabrus rubripinnis Randall & Carpenter, 1980: 23, figs. 9-10 (Caban Id, Batangas, Luzon Id, Philippines).

DISTRIBUTION: Philippines and Kalimantan, Borneo.

Cirrhilabrus rubrisquamis Randall & Emery

Cirrhilabrus rubrisquamis Randall & Emery, 1983: 21, fig. 1 (Peros Banhos Atoll, Chagos Archipelago).

DISTRIBUTION: Chagos Archipelago and Maldive Ids.

Cirrhilabrus rubriventralis Springer & Randall

Cirrhilabrus rubriventralis Springer & Randall, 1974: 52, figs. 4-5 (Elat, Israel, Gulf of Aqaba, Red Sea).

DISTRIBUTION: Red Sea to Oman and South Africa, with questionable records from Sri Lanka and Philippines (Randall, 1995a); Sumatra (R. H. Kuitert, pers. comm.).

Cirrhilabrus sanguineus Cornic

Cirrhilabrus sanguineus Cornic, 1987: 140, fig. (Mauritius).

DISTRIBUTION: Mauritius.

Cirrhilabrus scottorum Randall & Pyle

Cirrhilabrus scottorum Randall & Pyle, 1989: 114, figs. 1-5 (Paparua, Tahiti, Society Ids).

DISTRIBUTION: Great Barrier Reef to Pitcairn Group.

Cirrhilabrus solorensis Bleeker

Cirrhilabrus solorensis Bleeker, 1853f: 88 (Lawajong, Solor Id, Indonesia).

DISTRIBUTION: Indonesia.

Cirrhilabrus temminckii Bleeker

Cirrhilabrus temminckii Bleeker, 1853i: 17 (Nagasak).

DISTRIBUTION: western Australia to southern Japan.

Cirrhilabrus tonozukai Allen & Kuitert

Cirrhilabrus tonozukai Allen & Kuitert, 1999: 137, figs. 6-8 (Tumbak Id, Banggai Ids, Indonesia).

DISTRIBUTION: Indonesia.

Cirrhilabrus walindi Allen & Randall

Cirrhilabrus walindi Allen & Randall, 1996: 108, figs. 5-7 (New Britain Id, Bismarck Archipelago).

DISTRIBUTION: Papua New Guinea and Solomon Ids.

***Cirrhilabrus* sp 1**

DISTRIBUTION: Fiji.

***Cirrhilabrus* sp 2**

DISTRIBUTION: Palau.

REMARKS: to be described by J.R. Randall and R.L. Pyle.

***Cirrhilabrus* sp 3**

DISTRIBUTION: Samoa.

REMARKS: to be described by J.R. Randall and R.L. Pyle.

***Cirrhilabrus* sp 4**

DISTRIBUTION: Cook Islands.

REMARKS: to be described by J.R. Randall and R.L. Pyle.

***Cirrhilabrus* sp 5**

DISTRIBUTION: New Caledonia, Santa Cruz Ids, and Solomon Ids.

REMARKS: to be described by M.W. Westneat and J.T. Williams

Genus *Clepticus* Cuvier

Clepticus Cuvier, 1829: 261 (type-species, *Clepticus genizara* Cuvier, by monotypy).

Three species, two of which are undescribed (Ross Robertson, pers. comm.). Western and eastern Atlantic.

Clepticus parrae (Bloch & Schneider)

Brama parrae Bloch & Schneider, 1801: 100 (Cuba).

Clepticus genizara Cuvier, 1829: 261 (Havana, Cuba).

DISTRIBUTION: Bermuda and North Carolina to Gulf of Mexico, Caribbean, West Indies, to Brazil.

***Clepticus* sp 1**

DISTRIBUTION: Brazil.

REMARKS: to be described by Rodrigo Moura

***Clepticus* sp 2**

REMARKS: a new species from São Tomé, Gulf of Guinea; to be described by Ross Robertson and John Heiser.

Genus *Conniella* Allen

Conniella Allen, 1983: 44 (type-species, *Conniella apterygia* Allen, by original designation).

One species.

Conniella apterygia Allen

Conniella apterygia Allen, 1983: 44, figs. 1-2 (Bedwell Id, Clerke Reef, Rowley Shoals, Western Australia).

DISTRIBUTION: Rowley Shoals and Scott-Seringapatam Reefs, western Australia.

Genus *Coris* Lacepède

Coris Lacepède (ex Commerson), 1801: 96 (type-species, *Coris aygula* Lacepède, by subsequent designation).

Julis Cuvier, 1814: 90 (type-species, *Labrus julis* Linnaeus, by absolute tautonymy).

Aygula Rafinesque, 1815: 87 (unneeded replacement for *Coris* Lacepède).

Ichtycallus Swainson, 1839: 173, 232 (type-species, *Julis semipunctatus* Rüppell, by subsequent designation, proposed as a subgenus).

Neanis Gistel, 1848: IX (type-species, *Labrus julis* Linnaeus, unneeded replacement for *Julis* "Lacep." [Cuvier, 1814]).

Hemicoris Bleeker, 1862: 411 (type-species, *Halichoeres variegatus* Rüppell, by original designation).

Ctenocorissa Whitley 1931a: 323 (type-species, *Labrus pictus* Bloch & Schneider, by original designation).

Tiricoris Whitley, 1955: 111 (type-species, *Cymolutes sandageri* Hector, by original designation).

Twenty-six species; Indo-Pacific species revised by Randall (1999); two eastern Atlantic species; 5 undescribed species in the Indo-Pacific region.

***Coris atlantica* Günther**

Coris atlantica Günther, 1862: 197 (Sierra Leone).

Coris hupferi Fischer, 1885: 73 (Nifao, Liberia).

Coris guineensis Bleeker, 1863: 31, pl. 5, fig. 2 (Guinea).

DISTRIBUTION: tropical eastern Atlantic.

REMARKS: *Coris atlantica* is a distinct species ranging from Cape Verde Islands to Liberia (A. Brito and P. Wirtz, pers. comm.). The species is readily confused with the sympatric *Coris julis*; it differs from *C. julis* in having longer pelvic fins, more suborbital pores, and configuration of the lateral-line tubules. Two specimens from São Tomé collected by Ross Robertson also show distinct colour variation. These specimens and colour photographs are deposited in the U.S. National Museum of Natural History.

***Coris auricularis* (Valenciennes)**

Julis auricularis Val., 1839: 489 (King George Sound, Western Australia).

DISTRIBUTION: southwestern Australia.

***Coris aurilineata* Randall & Kuitert**

Coris aurilineata Randall & Kuitert, 1982: 164, pl. 1, fig. 1B-C, fig. 2 (Keppel Id, Queensland, Australia).

DISTRIBUTION: New South Wales to Great Barrier Reef.

***Coris aygula* Lacepède**

Coris aygula Lacepède, 1801: 96, 97, pl. 4, fig. 1 (Mauritius).

Coris angulatus Lacepède, 1801: 96, 99, pl. 4 (no locality).

Labrus cingulum Lacepède, 1801: 448, 517, pl. 28, fig. 1 (Mauritius).

Labrus aureomaculatus Bennett [J.W.], 1830: pl. 20 (Sri Lanka).

Julis ruppelii Bennett, 1831: 128 (Gulf of Setic, Red Sea).

Julis gibbifrons Quoy & Gaimard, 1834: 707, pl. 19, fig. 3 (Mauritius).

Julis semipunctatus Rüppell, 1835: 12, pl. 3, fig. 3 (Mohila, Red Sea).

Julis coris Val., 1839: 491; *nomen novum* for *Coris aygula* Lacepède; preoccupied by *Julis coris* Lesson, 1828 [= *Thalassoma quinquevittatum* (Lay & Bennett, 1839)].

Coris cyanea Macleay, 1883a: 588 (New Guinea).

Coris variegata Ramsay & Ogilby, 1887a: 131 (Vanuatu).

Coris imbris Tanaka, 1918: 521, pl. 138, fig. 386 (Japan).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

***Coris ballieui* Vaillant & Sauvage**

Coris ballieui Vaillant & Sauvage, 1875: 284 (Hawaiian Ids).

Coris (Hemicoris) rosea Vaillant & Sauvage, 1875: 286 (Hawaiian Ids).

Coris argenteostriata Steindachner, 1900: 176 (Honolulu).

Coris schauinslandii Steindachner, 1900: 177 (Honolulu).

Hemicoris keleipionis Jenkins, 1901: 51, fig. 6 (Honolulu).

DISTRIBUTION: Hawaiian Ids.

***Coris batuensis* (Bleeker)**

Julis (Halichoeres) batuensis Bleeker, 1856f: 240 (Batu Ids, Indonesia).

Julis (Halichoeres) schroederii Bleeker, 1858a: 3 (Ambon Id, Moluccas Ids, Indonesia).

Coris pallida MacLeay, 1881: 100 (Queensland, Australia).

Coris papuensis Macleay, 1883b: 275 (Papua New Guinea).

Coris coronata De Vis, 1885: 883 (Queensland, Australia).

PlatyGLOSSUS punctatus De Vis, 1885: 885 (Murray Id, Queensland, Australia).

DISTRIBUTION: New South Wales to southern Japan and Ogasawara Ids, east to Micronesia, west to the Maldives and Chagos Archipelago.

***Coris bulbifrons* Randall & Kuitert**

Coris bulbifrons Randall & Kuitert, 1982: 168, pl. 2, figs. A-C; figs. 3-5 (Lord Howe Id, Australia).

DISTRIBUTION: New South Wales, Lord Howe, Norfolk Id.

***Coris caudimacula* (Quoy & Gaimard)**

Julis caudimacula Quoy & Gaimard, 1834: 710, pl. 15, fig. 2 (Mauritius).

Halichoeres multicolor Rüppell, 1835: 15, pl. 4, fig. 3
(Jidda [Jeddah], Saudi Arabia, Red Sea).

DISTRIBUTION: Indian Ocean, Red Sea to South Africa,
Indonesia and northwestern Australia.

***Coris centralis* Randall**

Coris centralis Randall, 1999b: 21, fig. 2; pls. 5C,D; 17D
(Tabuaeran [Fanning Id], Line Islands).

DISTRIBUTION: Line Ids, central Pacific Ocean

***Coris cuvieri* (Bennett)**

Julis cuvieri Bennett, 1831: 128 (Mauritius).

Julis stellatus Val., 1839: 499 (Mauritius).

Coris gaimard africana Smith, 1957b: 119, Pls. 1A-2A;
fig. 1 (Mahé, Seychelles).

DISTRIBUTION: Indian Ocean: Red Sea to South Africa, Sri
Lanka and all western Indian Ocean islands.

REMARKS: *Coris gaimard africana* Smith was treated as
Coris africana by Randall, 1992b, 1995.

***Coris debueni* Randall**

Coris debueni Randall, 1999b: 26, fig. 3; pls. 6 C,D; 7 A,B
(Hanga Roa, west coast of Easter Id.).

DISTRIBUTION: Easter Island.

***Coris dorsomacula* Fowler**

Coris dorsomacula Fowler, 1908: 436, fig. 8 (Victoria,
Australia).

DISTRIBUTION: western Pacific.

***Coris flavovittata* (Bennett)**

Julis flavovittatus Bennett, 1828b: 36 (Hawaiian Ids).

Coris eydouxii Val., 1839: 445 (Hawaiian Ids).

Coris lepomis Jenkins, 1901: 48, fig. 4 (Honolulu).

DISTRIBUTION: Hawaiian Ids.

REMARKS: the Philippines record of (Fowler and Bean,
1928) is based on a misidentification of *Coris pictoides*.

***Coris formosa* (Bennett)**

Labrus formosus Bennett [J.W.], 1830: pl. 16 (Sri Lanka).

Coris frerei Playfair & Günther, 1867: 101, pl. 13
(Zanzibar).

Coris halei Day, 1888: 803 (Sri Lanka).

DISTRIBUTION: Western Indian Ocean, Red Sea to South
Africa and Sri Lanka.

REMARKS: *Labrus formosus* Shaw, 1803 was a subsequent
reclassification of the species originally named *Sparus*
formosus Shaw and Nodder, 1790, which is a synonym of
Labrus mixtus Linnaeus, 1758. Hence, *Labrus formosus*
Bennett is not a homonym.

***Coris gaimard* (Quoy & Gaimard)**

Julis gaimard Quoy & Gaimard, 1824: 265, pl. 54, fig. 1
(Maui, Hawaiian Ids).

Julis greenovii Bennett, 1828b: 37 (Hawaiian Ids).

Julis ganymede Bennett [J.W.], 1830: pl. 16 (Sri Lanka).

Julis (Julis) leucorhynchos Bleeker, 1856b: 57 (Manado,
Sulawesi [Celebes], Indonesia).

Coris pulcherrima Günther, 1862: 200 (Ambon, Indonesia).

Coris greenoughii Günther, 1861: 387 (emendation of *Julis*
greenovii Bennett).

Coris gaimard speciosa Fowler, 1946: 171, fig. 37 (Aguni-
Shima, Ryukyu Ids, Japan).

DISTRIBUTION: Indo-Pacific, Christmas and Cocos-Keeling
Ids (eastern Indian Ocean) to Japan, Australia, Hawaiian
Ids, Society Ids and Tuamotus (but not the Marquesas
where there is a closely related undescribed species).

REMARKS: *Julis ganymede* Bennett 1830 is a new synonym
of *Coris gaimard* (Eschmeyer & Pethiyagoda, 1996).

***Coris hewetti* Randall**

Coris hewetti Randall, 1999b: 43, figs. 4,5; pls. 10 C,D;
11A, 20 B-F (Anabo Bay, Nuku Hiva, Marquesas Ids.)

DISTRIBUTION: Marquesas Ids.

***Coris julis* (Linnaeus)**

Labrus julis Linnaeus, 1758: 284 (Genoa, Italy).

Labrus paroticus Linnaeus, 1758: 284 (probably
Mediterranean Sea).

Labrus perdica Forsskål 1775: 34 (Istanbul, Turkey).

Labrus keslik Lacepède 1801: 453, 523 (Istanbul, Turkey;
unneded replacement for *Labrus perdica* Forsskål).

Labrus infuscus Walbaum 1792: 249 (Mediterranean Sea).

Labrus subfuscus Bloch & Schneider 1801: 259
(Mediterranean Sea; preoccupied by *Labrus subfuscus*
Walbaum, 1792 [= *Tautoga onitis* (Linnaeus, 1758)]).

Labrus cettii Rafinesque 1810b: 23, 54 (Sicily, Italy).

Labrus giofredi Risso, 1810: 228, pl. 9, fig. 23 (Nice).

Julis mediterranea Risso, 1827: 309 (Nice, France; *nomen*
novum for *Labrus julis* Linnaeus)

Julis speciosa Risso, 1827: 309, 311, pl. 9, fig. 20 (Nice).

Julis vulgaris Fleming, 1828: 210 (Cornwall, England).

Julis vulgaris Val., 1839: 361, pl. 384 preoccupied by *Julis*
vulgaris Fleming, 1828).

Julis festiva Val., 1839: 374 (Brest, France).

Julis melanura Lowe, 1839: 85 (Madeira).

Coris (Hologymnosus) taeniatus Steindachner, 1863b: 1189,
pl. 2, fig. 1 ("Java" [probably eastern Atlantic]).

Julis azorensis Fowler, 1919: 204, fig. 2 (Fayal Id, Azores).

DISTRIBUTION: Eastern Atlantic from Sweden to Cape
Lopez, Gabon, including the Azores, Madeira, Canary
Ids, Mediterranean and southern Black Sea.

REMARKS: Synonymy from Gomon and Forsyth (1990).
Julis vulgaris Valenciennes is based on several
specimens described by Rondelet, Salviani, Aldrovandi,
Willughby and on *Labrus* n.7 of Artedi used by Linnaeus
to describe his *Labrus julis* (Bauchot, 1963: 75). *Labrus*
cettii is a junior synonym according to Quignard (1966)

and Tortonese (1970). *Labrus infuscus* Walbaum was described from the Mediterranean with D IX,12; P 13; A III,12; it is a new synonym of *Coris julis*. The two syntypes of *Coris taeniatus* were examined by the first author at the Naturhistorische Museum in Vienna and found to be *C. julis*; the locality "Java" given by Steindachner is obviously erroneous. The specimens may have been from a large collection made in the Canary Ids that came to the Museum at that time. The larger of the two syntypes, NMW 25675, 114 mm SL, is here designated as the lectotype, a decision made with the approval of the curator, Dr. Ernst Mikschi.

***Coris marquesensis* Randall**

Coris marquesensis Randall, 1999: 49, fig. 6; pls 11B-D; 20 G,H (Marquesienne Bay, Nuku Hiva, Marquesas Ids).

DISTRIBUTION: Marquesas Ids, South Pacific Ocean.

***Coris musume* (Jordan & Snyder)**

Julis musume Jordan & Snyder, 1904: 236, pl. 61 (Japan).

DISTRIBUTION: Southern Japan, Izu Ids and Taiwan.

***Coris nigrotaenia* Mee & Hare**

Coris nigrotaenia Mee & Hare, 1995: 247 (Oman).

DISTRIBUTION: southern Oman.

***Coris picta* (Bloch & Schneider)**

Labrus pictus Bloch & Schneider, 1801: 251, pl. 55 (New South Wales, Australia).

Coris semicincta Ramsay, 1883: 301 (New South Wales).

DISTRIBUTION: southeastern Australia, New Caledonia, Kermadec, Lord Howe, Norfolk and New Zealand.

***Coris pictoides* Randall & Kuitert**

Coris pictoides Randall & Kuitert, 1982: 160, pl. 1, fig. A; fig. 1 (Bunut, Tioman Id, Malaysia).

DISTRIBUTION: New South Wales to northwest Australia and Philippines.

***Coris roseoviridis* Randall**

Coris roseoviridis Randall, 1999b: 59, fig. 6; pls. 13 C,D; 14 A (Karapoto Iti Islet, Rapa).

DISTRIBUTION: Pitcairn Ids, Mangareva, Rapa, Austral Ids, and Raratonga, Cook Ids.

***Coris sandageri* (Hector)**

Cymolutes sandeyeri Hector, 1884: 323 (Tiritiri Id, Auckland, New Zealand; incorrect original spelling)

Coris rex Ramsay & Ogilby, 1886: 851 (off Bondi, New South Wales, Australia).

Cymolutes sandageri: Sandager, 1888: 130 (emendation).

Coris trimaculata Ogilby, 1888: 992 (Norfolk Id).

DISTRIBUTION: southeastern Australia and New Zealand.

REMARKS: Hector (1884) stated that the specimen was "Collected by Mr. Sandeyer"; however this man's name was F.S. Sandager. Sandager (1888: 130) in a paper on fishes of Mokohinau Islands, lists *Cymolutes sandageri*, with information on its presence, abundance, spawning, but nothing on the name change. Hutton (1890: 282) followed Hector in using *sandeyeri*, but later, Thompson (1892), Phillips (1927), and Paulin et al. (1989) report *sandageri*. Phillips (1927) stated "sandeyeri" is obviously a misprint for "sandageri", the species being named after the lighthouse-keeper, Sandager". G.S. Hardy (1990: 11) reports "*Cymolutes sandeyeri* Hector, 1884: 323 = *Coris sandageri* (Hector, 1884)".

We have identified the only remaining syntype of *Coris trimaculata*, AMS I.1403, 92 mm SL, as a juvenile *Coris sandageri*.

***Coris variegata* (Rüppell)**

Halichoeres variegatus Rüppell, 1835: 14, pl. 4, fig. 2 (Massawa, Eritrea, Red Sea).

DISTRIBUTION: Red Sea.

REMARKS: *Coris variegata* is often wrongly used in the Indo-West Pacific for the very similar *Coris batuensis*.

***Coris venusta* Vaillant & Sauvage**

Coris (Hemicoris) venusta Vaillant & Sauvage, 1875: 285 (Hawaiian Ids).

Hemicoris remedium Jenkins, 1901: 49, fig. 5 (Honolulu).

DISTRIBUTION: Hawaiian Ids.

Genus *Ctenolabrus* Valenciennes

Ctenolabrus Val., 1839: 223 (type-species, *Labrus rupestris* Linnaeus, by subsequent designation).

Cynaedus Swainson, 1839: 229 (type-species, *Labrus rupestris*, by subsequent designation, proposed as a subgenus).

One species (Bauchot & Quignard, 1973).

***Ctenolabrus rupestris* (Linnaeus)**

?*Labrus suillus* Linnaeus, 1758: 285 (West Europe).

Labrus rupestris Linnaeus, 1758: 286 (no locality).

Labrus bergsnylstrus Lacepède, 1801: 439 (North Atlantic).

Sparus carudse Lacepède, 1802: 49, 148 (Norway).

Labrus cinereus Pallas, 1814: 267 (*Maris nigri*).

Ctenolabrus marginatus Val., 1839: 232 (France).

Ctenolabrus acutus Val., 1839: 235 (Malaga, Spain).

DISTRIBUTION: Eastern Atlantic and Mediterranean.

REMARKS: *Labrus suillus* is a probable synonym (Quignard, 1966). The combination *Ctenolabrus suillus* has been used by some authors (Jordan, 1890: 623; Lozano Rey, 1952: 448, pl. 37; Bauchot, 1963: 39; Costa, 1991).

Genus *Cymolutes* Günther

Cymolutes Günther, 1861: 387 (type-species, *Julis praetextata* Quoy & Gaimard, by subsequent designation).

Previously considered a monotypic genus (Bauchot, 1963); 3 species are presently recognized (Randall, 1986a; Randall et al., 1990). Indo-Pacific.

Cymolutes lecluse (Quoy & Gaimard)

Xyrichthys lecluse Quoy & Gaimard, 1824: 284, pl. 65, fig. 1 (Hawaiian Ids).

Xyrichthys microlepidotus Val., 1840: 52 (Hawaiian Ids).

Novacula (Novacula) microlepis Vaillant & Sauvage, 1875: 284 (Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Cymolutes praetextatus (Quoy & Gaimard)

Julis praetextata Quoy & Gaimard, 1834: 712, pl. 15, fig. 4 (Mauritius).

Novacula xyrichthyoides Bleeker, 1856g: 488 (East Indies).
?Julis kuelkuel Montrouzier, 1857: 473 (Woodlark Id).

DISTRIBUTION: Indo-Pacific.

Cymolutes torquatus (Valenciennes)

Xyrichthys torquatus Val., 1840: 54, pl. 392 ("Suriname" [actually East Indies]).

Xyrichthys novaculoides Bleeker, 1853a: 122 (Indonesia).

Cymolutes tateyamaensis Sakamoto, 1930: 11, fig. 1 (Japan).

DISTRIBUTION: Indo-Pacific.

Genus *Decodon* Günther

Decodon Günther, 1861: 384 (type-species, *Cossyphus puellaris* Poey, by monotypy).

Pariolanthus Smith, 1968: 343 (type-species, *Lepidaplois grandisquamis*, by original designation, proposed as a subgenus).

Four species (Randall, 1986a; Gomon, 1997). Atlantic, Indian and Pacific Oceans.

Decodon grandisquamis (Smith)

Lepidaplois (Pariolanthus) grandisquamis Smith, 1968: 343, figs. 1-2 (off Ponte de Barra Falsa, Mozambique).

DISTRIBUTION: western Indian Ocean.

Decodon melasma Gomon

Decodon melasma Gomon, 1974b: 207, fig. 1 (3 mi. off Buena Vista, Gulf of California, Mexico).

DISTRIBUTION: eastern Pacific.

Decodon pacificus (Kamohara)

Verreo pacificus Kamohara, 1952: 54, fig. 51 (Mimase).

DISTRIBUTION: Japan.

Decodon puellaris (Poey)

Cossyphus puellaris Poey, 1860: 210 (Havana, Cuba).

DISTRIBUTION: Bermuda, North Carolina to Florida, Gulf of Mexico, West Indies to Brazil.

Genus *Diproctacanthus* Bleeker

Diproctacanthus Bleeker, 1862a: 415 (type-species, *Labroides xanthurus* Bleeker, by original designation).

One species.

Diproctacanthus xanthurus (Bleeker, 1856)

Labroides xanthurus Bleeker, 1856b: 52 (Indonesia).

DISTRIBUTION: Indonesia, New Guinea, Philippines, Palau.

Genus *Doratonotus* Günther

Doratonotus Günther, 1862: 124 (type-species, *Doratonotus megalepis* Günther, by subsequent monotypy).

Antonichthys Bauchot & Blanc, 1961: 50 (type-species, *A. wetmorelloides* Bauchot & Blanc, by monotypy).

One species.

Doratonotus megalepis Günther

Doratonotus megalepis Günther, 1862: 125 (St. Christopher, Leeward Ids, West Indies).

Doratonotus thalassinus Jordan & Gilbert, 1884: 28 (Key West, Florida, U.S.A.).

Doratonotus decoris Evermann & Marsh, 1899: 354 (Ponce, Puerto Rico).

Doratonotus boekei Metzelaar, 1919: 107, fig. 31 (Curaçao and Bonaire).

Antonichthys wetmorelloides Bauchot & Blanc, 1961: 50, fig. 3a-c (Rolas Id, São Tomé, eastern Atlantic).

DISTRIBUTION: Bermuda, Florida to Venezuela; West Indies, and off São Tomé in the eastern Atlantic.

Genus *Dotalabrus* Whitley

Dotalabrus Whitley, 1930: 251 (type-species, *Cheilinus aurantiacus* Castelnau, by original designation).

Two species (Russell, 1988); Australia.

Dotalabrus alleni Russell

Dotalabrus sp. Allen, 1985: figs. 304-305 (Rottneest Id, Western Australia).

Dotalabrus alleni Russell, 1988: 10, fig. 2, pl. 1, c-d (Carnac

Id, Cockburn Sound, Western Australia).

DISTRIBUTION: southwestern Australia.

Dotalabrus aurantiacus (Castelnau)

Cheilinus aurantiacus Castelnau, 1872b: 245 (Adelaide).
Labrichthys elegans Steindachner, 1883: 195 (St. Vincent Gulf, South Australia).
Labrichthys macleayi Herzenstein, 1896: 10 (St. Vincent Gulf, South Australia).

DISTRIBUTION: southern and southwestern Australia.

Genus *Epibulus* Cuvier

Epibulus Cuvier, 1815b: 111 (type-species, *Sparus insidiator* Pallas, by monotypy).

Two species (1 undescribed); Indo-Pacific.

Epibulus insidiator (Pallas)

Sparus insidiator Pallas, 1770: 41, pl. 5, fig. 1 (Java, Indonesia).
Epibulus insidiator var. *flava* Bleeker, 1849a: 40 (Java).
Epibulus insidiator var. *fusca* Bleeker, 1849a: 40 (Java).
Epibulus striatus Day, 1871: 697 (Andaman Ids).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Hawaiian Ids.

***Epibulus* sp 1**

Epibulus sp. Myers, 1989: 180.

DISTRIBUTION: Palau to Philippines.

REMARKS: to be described by J.E. Randall and B.W. Carlson.

Genus *Eupetrichthys* Ramsay & Ogilby

Eupetrichthys Ramsay & Ogilby, 1888: 631 (type-species, *E. angustipes* Ramsay & Ogilby, by monotypy).

One species.

Eupetrichthys angustipes Ramsay & Ogilby

Eupetrichthys angustipes Ramsay & Ogilby, 1888: 632 (Rose Bay, Port Jackson, New South Wales, Australia).

DISTRIBUTION: Southeastern and western Australia.

Genus *Frontilabrus* Randall & Condé

Frontilabrus Randall & Condé, 1989: 90 (type-species, *F. caeruleus* Randall & Condé, by monotypy).

One species.

Frontilabrus caeruleus Randall & Condé

Frontilabrus caeruleus Randall & Condé, 1989: 90, figs. 1-3 (Maldive Ids).

DISTRIBUTION: Maldive Ids.

Genus *Gomphosus* Lacepède

Gomphosus Lacepède, 1801: 100 (type-species, *Gomphosus caeruleus* Lacepède, by subsequent designation).
Acarauna Sevestianoff, 1802: 357, 364 (type-species, *Acarauna longirostris* Sevestianoff, by monotypy).

Two species (Randall, 1986a); Indo-Pacific.

Gomphosus caeruleus (Lacepède)

Gomphosus caeruleus Lacepède, 1801: 100, 101, pl. 5, fig. 1 (Mauritius).
Acarauna longirostris Sevestianoff, 1802: 359 (Brazil?; evidently erroneous).
Gomphosus fuscus Bennett [J.W.], 1828: pl. 3 (Sri Lanka).
Gomphosus ornatus Bennett, 1830: 690 (Indonesia).
Gomphosus viridis Bennett [J.W.], 1830: pl. 30 (Sri Lanka; preoccupied by *Gomphosus viridis* Cuvier, 1829 [= *G. varius* Lacepède, 1801]).
Gomphosus melanotus Bleeker, 1855d: 457 (Cocos-Keeling Ids, Indian Ocean).
Gomphosus caeruleus klunzingeri Klausewitz, 1962: 12, pl. 1, fig. 3 (Al-Quseir [formerly Kosseir], Egypt, Red Sea).

DISTRIBUTION: Indian Ocean, Red Sea to South Africa, Oman, Maldives, Chagos and Cocos-Keeling Ids. Two subspecies: *G. caeruleus caeruleus*, Indian Ocean, and *G. caeruleus klunzingeri*, Red Sea.

Gomphosus varius (Lacepède)

Gomphosus varius Lacepède, 1801: 100, 105, pl. 5, fig. 2 (Tahiti, Society Ids).
Gomphosus tricolor Quoy & Gaimard, 1824: 280, pl. 55, fig. 2 (Maui, Hawaiian Ids).
Gomphosus pectoralis Quoy & Gaimard, 1824: 282 (Maui, Hawaiian Ids).
Gomphosus viridis Cuvier, 1829: 261 (no locality given).
Gomphosus cepedianus Val., 1840: 18 (Hawaiian Ids).
Gomphosus fuscus Val., 1840: 25 (Mauritius).
Gomphosus nasutus Parkinson in Cuvier & Valenciennes, 1840: 27 (Tahiti, Society Ids).
Gomphosus notostigma Bleeker, 1862b: 304 (Java).
Gomphosus sandvicensis Günther, 1862: 194 (Hawaiian Ids).
Gomphosus undulatus Streets, 1877: 85 (Line Ids).
Gomphosus pacificus Seale, 1901a: 94 (Guam).
Thalassoma stuckiae Whitley, 1959: 19, fig. 7 (Nouméa, New Caledonia).

DISTRIBUTION: eastern Indian Ocean to central Pacific, including Pitcairn Group.

Genus *Halichoeres* Rüppell

Halichoeres Rüppell, 1835: (10) 14 (type-species, *H. bimaculatus* Rüppell, by subsequent designation).

PlatyGLOSSUS Bleeker (ex Klein), 1862a: 411 (type-species, *Julis annulatis* Valenciennes, by original designation).
HemiJulis Swainson, 1839:173, 228 (type-species, *Labrus guttatus* Bloch, by subsequent designation).
Hemijulis Bonaparte, 1841: puntata 156, fasc. 30 (incorrect subsequent spelling).
Hemitauroga Bleeker, 1862a: 413 (type-species, *Labrus centiquadrus* Lacepède, by original designation).
Guentheria Bleeker, 1862a: 413 (type-species, *Halichoeres caeruleovittatus* Rüppell, by original designation).
Pseudojulis Bleeker, 1862a: 412 (type-species, *Julis (Julis) girardi* Bleeker, by original designation).
Choerajulis Gill, 1862: 142 (proposed as a replacement name for *Halichoeres* Rüppell).
Pusa Jordan & Gilbert, 1879: 374 (type-species, *Choerajulis grandisquamis* Gill, by monotypy, preoccupied by Scopoli 1777 in Mammalia).
Emmeekia Jordan & Evermann, 1896: 413 (type-species, *Pseudojulis venustus* Jenkins & Evermann, by original designation).
Iridio Jordan & Evermann, 1896: 412 (type-species, *Labrus radiatus* Linnaeus, by original designation).
Julidio Jordan & Evermann, 1896: 413 (type-species, *Pseudojulis adustus* Gilbert, by original designation).
Octocynodon Fowler, 1904: 535 (type-species, *Julis miniatus* Valenciennes, by original designation).
Halinanodes Whitley, 1931b: 113 (type-species, *Halichoeres leucostigma* Fowler & Bean, by original designation).
Artisia de Beaufort, 1939: 17 (type-species, *Artisia festiva* de Beaufort, by monotypy).

Indo-Pacific, western Atlantic and eastern Pacific. *Emmeekia* is a synonym according to W. Bussing (pers. comm.). *Halichoeres* is in need of revision. On the basis of differences in larval and juvenile features a separate genus may be required for four eastern Pacific species formerly assigned to *Pseudojulis* (*adustus*, *inornatus*, *melanotus* and *venustus*) (Grove & Lavenberg, 1997: 488). With about 70 species, of which 4 are undescribed, *Halichoeres* is the largest genus of the Labridae. Randall and Smith (1982) recognized 15 species from the western Indian Ocean. Randall (1981c) discussed the status of some species from the Pacific. Nine species are known from the western Atlantic (Randall & Böhlke, 1965); 61 species are known from the Indo-Pacific region.

***Halichoeres adustus* (Gilbert)**

Pseudojulis adustus Gilbert, 1890: 66 (Socorro Id, Revilla Gagedo [Revillagagedo] Ids, off western Mexico).

DISTRIBUTION: Revillagagedo Ids and Isla del Coco.

***Halichoeres aestuaricola* Bussing**

Iridio bimaculata Wilson, 1916: 68 (mouth of Rio Dagua at Bonaventura, Colombia).

Halichoeres aestuaricola Bussing, 1972: 4, fig. 1 *nomen novum* for *Iridio bimaculata* Wilson 1916, secondarily preoccupied by *Halichoeres bimaculatus* Rüppell 1835.

DISTRIBUTION: Gulf of California to Colombia.

***Halichoeres argus* (Bloch & Schneider)**

Labrus guttatus Bloch, 1791: 149, pl. 287, fig. 2 (no locality; preoccupied by *Labrus guttatus* Bonnaterre, 1788 and *Labrus guttatus* Gmelin, 1789 [= *Symphodus ocellatus* (Forsskål, 1775)]).

Labrus argus Bloch & Schneider, 1801: 263 (Australia).

Labrus guttulatus Lacepède, 1801: 446, 514 (incorrect subsequent spelling or emendation of *Labrus guttatus*).

Julis argus Bennett 1828a: 577, pl. 13, fig. 7 (Indonesia).

Julis punctulatus Val., 1839: 483 ([Indonesia]; based on Renard, fol. 21, n. 115).

Julis (Halichoeres) polyophthalmus; Bleeker, 1852f: 731 (Lepar Id, western Sumatra, Indonesia).

Julis (Halichoeres) leparensis Bleeker, 1852f: 730 (Lepar Id, western Sumatra, Indonesia).

PlatyGLOSSUS reticulatus Cartier, 1874: 104 (Philippines).

Halichoeres fijiensis Herre, 1935: 410 (Ovalau, Fiji Ids).

DISTRIBUTION: western Pacific.

REMARKS: *Julis punctulatus* is a synonym (Pietsch, 1995).

***Halichoeres bathyphilus* (Beebe & Tee-Van)**

Iridio bathyphilus Beebe & Tee-Van, 1932: 117 (1 mi. south of Nonsuch Id, Bermuda).

DISTRIBUTION: Bermuda, North Carolina, northeastern Gulf of Mexico, Yucatan and southern Brazil.

***Halichoeres bicolor* (Bloch & Schneider)**

Labrus bicolor Bloch & Schneider, 1801: 267 (no locality).

Julis (Halichoeres) margaritiphorus Bleeker, 1853d: 487 (Batavia [Jakarta], Indonesia).

Julis (Halichoeres) hyrtlilii Bleeker, 1856b: 60 (Makassar [Ujung Pandang], Sulawesi [Celebes], Indonesia).

Julis (Halichoeres) cantori Bleeker, 1861a: 70 (Malaysia).

PlatyGLOSSUS bifasciatus Steindachner, 1866a: 477, pl. 5, fig. 2 (Hong Kong).

PlatyGLOSSUS pseudogramma Cartier, 1874: 103 (Ubay, Bohol Id, Philippines).

PlatyGLOSSUS bilineatus Karoli, 1882: 174 (*lapsus calami* for *bifasciatus*).

?*PlatyGLOSSUS xanti* Karoli, 1882: 174 (Singapore); probably a juvenile *Halichoeres bicolor*.

DISTRIBUTION: Indo-Malayan region to Sri Lanka; a Christmas Id record is doubtful.

***Halichoeres binotopsis* Bleeker**

Julis (Halichoeres) binotopsis Bleeker, 1849b: 7 (Boleling, northern Bali, Indonesia).

Halichoeres sp. 2 Kuitert, 1992: 179.

DISTRIBUTION: Indonesia.

***Halichoeres biocellatus* Schultz**

Halichoeres biocellatus Schultz, in Schultz et al., 1960: 233, fig. 104 (Arjii Id, Bikini Atoll, Marshall Ids).

DISTRIBUTION: southern Japan to western Australia, Fiji and Micronesia.

Halichoeres bivittatus (Bloch)

Labrus bivittatus Bloch, 1791: 133, pl. 284, fig. 1 (Martinique Id, West Indies).

Labrus psittaculus Lacepède, 1801: 452, 522, pl. 16, fig. 2 (America [Martinique Id, West Indies]).

Labrus multicostatus Gronow in Gray, 1854: 81 (Carolinas, U.S.A.).

Julis humeralis Poey, 1860: 212 (Cuba).

Choerojulius grandisquamis Gill, 1863: 206 (North Carolina, U.S.A.)

Choerojulius arangoi Poey, 1876: 151 [109], pl. 7 [4], fig. 1 (Havana, Cuba).

PlatyGLOSSUS florealis Jordan & Gilbert, 1882c: 287 (Laguna Grande, Florida, U.S.A.).

DISTRIBUTION: Bermuda, North Carolina to Brazil.

Halichoeres bleekeri (Steindachner & Döderlein)

PlatyGLOSSUS bleekeri Steindachner & Döderlein, 1887: 275 (Tokyo, Japan).

Halichoeres tremebundus Jordan & Snyder, 1902: 639, fig. 8 (Hiroshima, Japan).

DISTRIBUTION: Honshu to Philippines.

REMARKS: *H. bleekeri* is here treated as distinct from the species the Japanese have been calling *H. tenuispinis* (Randall, 1999d).

Halichoeres brownfieldi (Whitley)

Choerojulius brownfieldi Whitley, 1945: 28, fig. 13 (Garden Id, off Fremantle, Western Australia).

DISTRIBUTION: western Australia.

Halichoeres caudalis (Poey)

Julis caudalis Poey, 1860: 213 (Havana, Cuba).

DISTRIBUTION: North Carolina to northern South America.

Halichoeres chierchiae Caporiacco

Halichoeres chierchiae Caporiacco, 1947: 205, fig. 3 (Gulf of Panama, eastern Pacific).

DISTRIBUTION: Gulf of California to Panama.

Halichoeres chlorocephalus Kuitert & Randall

Halichoeres chlorocephalus Kuitert & Randall, 1995: 110, figs. 5-8 (Nagada, Madang Prov., Papua New Guinea).

DISTRIBUTION: Papua New Guinea.

Halichoeres chloropterus (Bloch)

Labrus chloropterus Bloch, 1791: 151, pl. 288 (Japan).

Labrus gymnocephalus Bloch & Schneider, 1801: 251 (no locality).

Julis (Halichoeres) cuvieri Bleeker, 1847: 160 (Batavia [Jakarta], Indonesia; preoccupied by *Julis cuvieri* Bennett, 1831 [= *Coris cuvieri*])

Julis (Halichoeres) modestus Bleeker, 1847: 160 (Batavia [Jakarta], Indonesia).

Halichoeres bleekeri Günther, 1861: 386 *nomen novum* for *Julis cuvieri* Bleeker, 1847.

PlatyGLOSSUS guttulatus Macleay, 1883a: 587 (New Guinea).

DISTRIBUTION: Philippines to Solomon Ids.

Halichoeres chrysus Randall

Halichoeres chrysus Randall, 1981c: 416, figs. 1-2 (Sandfly Passage, Florida Id, Solomon Ids).

DISTRIBUTION: western Pacific to Marshall Ids and Caroline Ids; also Rowley Shoals (western Australia) and Christmas Id (eastern Indian Ocean).

Halichoeres cosmetus Randall & Smith

Halichoeres cosmetus Randall & Smith, 1982: (3)15, pl. 6, fig. C, pl. 7, figs. A-B (North Male Atoll, Maldives).

DISTRIBUTION: western Indian Ocean.

Halichoeres cyanocephalus (Bloch)

Labrus cyanocephalus Bloch, 1791: 139, pl. 286 (no locality).

Julis dimidiatus Agassiz in Spix & Agassiz, 1831: 96, pl. 53 (off Brazil).

Julis internasalis Poey, 1861: 421 (Havana, Cuba).

DISTRIBUTION: Florida and Antilles to Brazil.

Halichoeres discolor Bussing

Halichoeres discolor Bussing, 1983: 19, fig. 1 (Bahía Weston, Isla del Coco, Costa Rica).

DISTRIBUTION: Isla del Coco, Costa Rica, eastern Pacific.

Halichoeres dispilus (Günther)

PlatyGLOSSUS dispilus Günther, 1864: 25 (Pacific coast of Panama).

DISTRIBUTION: Gulf of California to Peru, Galapagos Ids.

Halichoeres garnoti (Valenciennes)

Julis garnoti Val., 1839: 390 (Martinique Id, West Indies).

Julis cinctus Poey, 1860: 211, pl. 13, fig. 19 (Cuba).

Julis ruptus Poey, 1860: 212, pl. 13, fig. 20 (Cuba).

Iridio decoratus Bean, 1906: 29 (Nonsuch Id, Bermuda).

DISTRIBUTION: Bermuda, North Carolina to Florida, West Indies and Caribbean to southern Brazil.

Halichoeres hartzfeldii (Bleeker)

Julis (Halichoeres) hartzfeldii Bleeker, 1852d: 563 (Ambon Id, Moluccas Ids, Indonesia).

Labrichthys nudigena De Vis, 1885: 881 (Great Barrier Reef, Queensland, Australia).

DISTRIBUTION: Indonesia.

REMARKS: a valid species according to Kuitert (1992).

Halichoeres hortulanus (Lacepède)

Labrus hortulanus Lacepède, 1801: 449, 518, pl. 29, fig. 2 (Indo-Pacific Ocean).

Labrus centiquadrus Lacepède, 1801: 437, 493 (Madagascar, Mauritius and Réunion).

Julis semidecorata Lesson, 1828: 403 (Mauritius).

Sparus decussatus Bennett, 1829: pl. 14 (Sri Lanka).

Halichoeres eximius Rüppell, 1835: 16, pl. 5, fig. 1 (Red Sea).

Julis corbis Val., 1839: 435 (no locality given).

Julis (Halichoeres) notophthalmus Bleeker, 1847: 158 (Batavia [Jakarta], Indonesia).

Tautoga notophthalmus Bleeker, 1856b: 53 (Manado, Sulawesi [Celebes], Indonesia).

DISTRIBUTION: Indo-Pacific, including Red Sea.

REMARKS: *Halichoeres centiquadrus* appeared first in Lacepède (1801) and was used by many authors as the name for this species. Randall and Smith (1982) pointed out that Valenciennes realized that *centiquadrus* and *hortulanus* represented the same species; he placed *hortulanus* first in the species heading and table of contents. As first revisor, his choice of *hortulanus* established it as the valid name for this species. *Julis corbis* Valenciennes is a synonym (Pietsch, 1995).

Halichoeres insularis Allen & Robertson

Halichoeres insularis Allen & Robertson, 1992: 51, figs. 5-6 (Socorro Id, Revillagigedo Ids, Mexico).

DISTRIBUTION: Isla Socorro, off Pacific coast of Mexico.

Halichoeres iridis Randall & Smith

Halichoeres iridis Randall & Smith, 1982: 17, pl. 7, figs. C-E (Mauritius).

DISTRIBUTION: Western Indian Ocean, Red Sea to South Africa, Oman, Maldives, Chagos and Mauritius.

Halichoeres kallochroma Bleeker

Julis (Halichoeres) kallochroma Bleeker, 1853c: 289 (Priaman, Sumatra, Indonesia).

DISTRIBUTION: Mentawai Ids (off Sumatra); also off southwestern Thailand (U. Satopoomin, pers. comm.).

Halichoeres lapillus Smith

Halichoeres lapillus Smith, 1947: 801 (Inhaca Id, Delagoa

Bay, Mozambique).

DISTRIBUTION: western Indian Ocean.

Halichoeres leptotaenia Randall & Earle

Halichoeres leptotaenia Randall & Earle, 1994: 288, pls. 1-3 (Musandam, Persian Gulf, Oman).

DISTRIBUTION: Persian Gulf.

Halichoeres leucoxanthus Randall & Smith

Halichoeres leucoxanthus Randall & Smith, 1982: 20, pl. 8, figs C-D (East end of Java, Indonesia).

DISTRIBUTION: western Indian Ocean, Christmas Id, and western Indonesia.

Halichoeres leucurus (Walbaum)

Labrus leucurus Walbaum, 1792: 249 (no locality).

Labrus purpurescens Bloch & Schneider, 1801: 262 (no locality).

Anampses moniliger Cuvier, in Cuvier et al., 1827: pl. 31, fig. 6 (no locality).

Julis (Halichoeres) kallopos Bleeker, 1853h: 348 (Ambon Id, Moluccas Ids, Indonesia).

Julis (Halichoeres) temmincki Bleeker, 1853d: 491 (Batavia [Jakarta], Indonesia).

DISTRIBUTION: East Indies, Palau, and Solomon Ids.

REMARKS: Although *Halichoeres purpurescens* has often been recognized as valid, we follow de Beaufort (1940) in regarding it as a synonym of *H. leucurus*. *Labrus leucurus* and *Anampses moniliger* are based on the figure and description of Seba (1761: 95 pl. 31).

Halichoeres maculipinna (Müller & Troschel)

Julis maculipinna Müller & Troschel in Schomburgk, 1848: 18 (Barbados, West Indies).

Iridio meyeri Bean, 1906: 29 (Bermuda).

Iridio microstomus Bean, 1906: 30 (Bermuda).

Halichoeres penrosei Starks, 1913: 59, pl. 7 (Natal, Brazil).

Iridio frenatus Nichols, 1920: 61 (Bermuda).

Iridio similis Nichols, 1920: 61 (Bermuda).

DISTRIBUTION: Bermuda, North Carolina to Florida, West Indies, Caribbean to Brazil.

Halichoeres malpelo Allen & Robertson

Halichoeres malpelo Allen & Robertson, 1992: 47, figs. 1-2 (Malpelo Id, eastern Pacific).

DISTRIBUTION: Isla Malpelo, Colombia, eastern Pacific.

Halichoeres margaritaceus (Valenciennes)

Julis margaritaceus Val., 1839: 484 (Vanikoro Id, Santa Cruz Ids, southwestern Pacific).

Julis poecila Lay & Bennett, 1839: 66, pl. 19, fig. 1

(Ryukyu Ids, Japan).

- Julis (Halichoeres) harloffii* Bleeker, 1847: 159 (Java).
PlatyGLOSSUS opercularis Günther, 1862: 148 (Fiji Ids and Ambon Id, Indonesia).
PlatyGLOSSUS equinus De Vis, 1885: 885 (Cardwell, Great Barrier Reef, Queensland, Australia).
Halichoeres daedalma Jordan & Seale, 1906: 301, pl. 47, fig. 2 (Apia, Upolu Id, Western Samoa).
*Halichoeres nafa*e Tanaka, 1908: 36, pl. 2, fig. 3 (Naha, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: Cocos-Keeling Islands to central Pacific.
REMARKS: synonymy from Kuitert and Randall (1981).

Halichoeres marginatus Rüppell

- Halichoeres marginatus* Rüppell, 1835: 16 (Mohila and Massawa, Eritrea, Red Sea).
Julis lamarii Val., 1839: 481 (Mauritius).
Julis annularis Val. (ex Kuhl & van Hasselt) in Cuv. & Val., 1839: 482 (Java, Indonesia).
Julis notopsis Val. (ex Kuhl & van Hasselt) in Cuv. & Val., 1839: 485 (Guam, Mariana Ids).
Julis (Halichoeres) phaiopus Bleeker, 1853c: 291 (Cauer, Sumatra, Indonesia).
PlatyGLOSSUS metager Day (ex Tickell), 1888: 802 (Saddle Id, off Kyoukphyoo, Arracan, Myanmar [Burma]).
Halichoeres ianthinus Fourmanoir, 1955: 217 (Comores).
Halichoeres virescens Fourmanoir & Guézé, 1961: 13 (Réunion Id).

DISTRIBUTION: Indo-Pacific, Red Sea to Hawaiian Ids.

Halichoeres melanochir Fowler & Bean

- Halichoeres melanochir* Fowler & Bean, 1928: 264, pl. 25 (Lampinigan Id, Philippines).

DISTRIBUTION: western Australia to southern Japan.

Halichoeres melanotis (Gilbert)

- Pseudojulis melanotis* Gilbert, 1890: 66 (Gulf of California, Mexico).

DISTRIBUTION: Gulf of California to Panama.

Halichoeres melanurus (Bleeker)

- Julis (Halichoeres) hoevenii* Bleeker, 1851b: 250 (Banda Neira, Banda Ids, Indonesia).
Julis (Halichoeres) melanurus Bleeker, 1851b: 251 (Banda Neira, Banda Ids, Indonesia).
Julis (Halichoeres) chrysotaenia Bleeker, 1853d: 488 (Batavia [Jakarta], Indonesia).
PlatyGLOSSUS floscorallis Jordan & Seale, 1906: 299, pl. 46, fig. 2 (Pago Pago, American Samoa).

DISTRIBUTION: western Pacific to Micronesia and Samoa.
REMARKS: *Halichoeres hoevenii* and *H. melanurus* are the female and male forms of this species. As first revisors, (Randall, Allen & Steene, 1997: 319) chose *Halichoeres melanurus* as the valid name.

Halichoeres melas Randall & Earle

- Halichoeres melas* Randall & Earle, 1994: 296, pl. 8 (Kuria Muria Ids, southern Oman, Arabian Sea).

DISTRIBUTION: southern Oman.

Halichoeres melasmapomus Randall

- Halichoeres melasmapomus* Randall, 1981c: 421, figs. 3-4 (Pitcairn Id).

DISTRIBUTION: western to central Pacific.

Halichoeres miniatus (Valenciennes)

- Julis miniatus* Val. (ex Kuhl & van Hasselt) in Cuv. & Val., 1839: 460 (Java, Indonesia).
Pseudojulis murrayensis De Vis, 1885: 882 (Murray Id, Queensland, Australia).
Halichoeres annulatus Fowler, 1904: 535, pl. 20 (Padang, Sumatra, Indonesia).

DISTRIBUTION: western Pacific.

REMARKS: synonymy from Kuitert and Randall (1981).

Halichoeres nebulosus (Valenciennes)

- Julis nebulosus* Val., 1839: 461 (Bombay, India).
Julis (Halichoeres) pseudominiatus Bleeker, 1856a: 62 (Ambon Id, Moluccas Ids, Indonesia).
Julis (Halichoeres) reichei Bleeker, 1858b: 43 (Sumatra and Ambon Id, Indonesia).
Pseudojulis maculifer Castelnau, 1875: 35 (Queensland, Australia).

DISTRIBUTION: western Indian Ocean to western Pacific.

REMARKS: synonymy from Kuitert and Randall (1981).

Halichoeres nicholsi (Jordan & Gilbert)

- PlatyGLOSSUS nicholsi* Jordan & Gilbert, 1882a: 231 (Socorro Id, Revillagigedo Ids, off western Mexico).
Halichoeres sellifer Gilbert, 1890: 67 (Clarion Id, Revillagigedo Ids).
Halichoeres macgregori Gilbert & Starks, 1904: 145, pl. 23, fig. 45 (Panama).
Julidio maculosus Clark, 1936: 390 (Conway Bay, Indefatigable Id [Santa Cruz], Galápagos Ids).
Halichoeres stigmasepia Fowler, 1944a: 336, fig. 228 (Santa María Id [Charles Id], Galápagos Ids).
Halichoeres stictus Fowler, 1944a: 336, figs. 230-231 (James Id [San Salvador Id], Galápagos Ids).

DISTRIBUTION: Gulf of California to Panama, Revillagigedo Ids and Galápagos Ids.

REMARKS: synonymy from Bussing (1987).

Halichoeres nigrescens (Bloch & Schneider)

- Labrus nigrescens* Bloch & Schneider, 1801: 263 (no locality).

Labrus baccatus de Procé 1822: 132 (Manila, Philippines).
Labrus mola Cuvier 1829: 258 (no locality given).
Julis dussumieri Val., 1839: 478, pl. 387 (Malabar, India).
Julis exornatus Richardson, 1846b: 258 (Hong Kong).
Julis (Halichoeres) javanicus Bleeker, 1857b: 341 (Java).
Halichoeres kneri Bleeker, 1862b: (Java; Singapore; Bangka; Sulawesi, Indonesia).
PlatyGLOSSUS (LeptoJulis) dubius Steindachner, 1866c: 37 (Tanzania [Zanzibar]).
PlatyGLOSSUS dayi Steindachner, 1870b: 567 (Singapore).
PlatyGLOSSUS ransonneti Steindachner, 1870: 567 (Singapore).
PlatyGLOSSUS immaculatus Macleay, 1878a: 362, pl. 10, fig. 1f (Darwin, Australia).
PlatyGLOSSUS amabilis De Vis, 1885: 885 (Murray Id, Queensland, Australia).
PlatyGLOSSUS roseus Day, 1888: 264 (Karachi, Pakistan).
PlatyGLOSSUS maculatus Jatzow & Lenz, 1898: 520, pl. 36, fig. 16 (Zanzibar).
Halichoeres leucostigma Fowler & Bean, 1928: 299, pl. 40 (Pujada Bay, Mindanao, Philippines).
Halichoeres dianthus Smith, 1947: 802 (Inhaca Id, Delagoa Bay, Mozambique).

DISTRIBUTION: Western Indian Ocean to western Pacific.

REMARKS: Bloch and Schneider (1801) based their brief description of *Labrus nigrescens* on Seba's plate 31, fig.2. Randall and Smith (1982) pointed out that no type specimen of *L. nigrescens* is extant, and accepted *Julis dussumieri* Valenciennes, 1839 as the valid name, adding "in contrast to most recent authors who use *Halichoeres nigrescens* Bloch & Schneider". They listed deficiencies in the Seba illustration of *nigrescens* and noted that the two black spots between the fourth, fifth and sixth dorsal-fin spines are suggestive of males of several species of the genus including *H. dussumieri*. Further studies of these species by J.E. Randall now indicate that the two black spots in the spinous portion of the dorsal fin as illustrated by Seba are diagnostic for *H. nigrescens*. Other discrepancies such as greater body depth, protruding lower jaw, and posterior origin of the dorsal fin should be regarded as artist errors. The anal-ray count of III,15 as given by Bloch & Schneider, is actually III,12 (15 represents the total count of anal spines and soft-rays), so this count is not in error as indicated by Randall and Smith. If *nigrescens* is not accepted as the valid name, then *Halichoeres mola* (Cuvier, 1829) would replace *H. dussumieri*. Cuvier based the name *mola* on the Sahnee Moia of Russel (1803: vol. 2: 15, fig. 120) which is clearly conspecific with the species we here identify as *nigrescens*. The holotypes of *PlatyGLOSSUS maculatus* (AMS I.16369-001, 84 mm SL) and *P. amabilis* (QM I.88, 57 mm SL, from Murray Id) have been examined by the second author. Rudie H. Kuitert (pers. comm.) determined that *Halichoeres kneri* is a subadult of *H. dussumieri*. The holotype of *P. roseus* Day was examined by A. Gill. From meristics, body form, the presence of a median row of predorsal scales and fin form he concluded that it is *H. dussumieri*. The specimen lacks the distinctive pectoral-base spot of the species, but is faded, and may have lost this character after long preservation.

Halichoeres notospilus (Günther)

Pseudojulis notospilus Günther, 1864: 26 (Pacific coast of Panama).

DISTRIBUTION: Gulf of California to Peru.

Halichoeres ornatissimus (Garrett)

Julis ornatissimus Garrett, 1863: 63 (Hawaiian Ids).
Halichoeres iridescens Jenkins, 1901: 47, fig. 2 (Honolulu, Hawaiian Ids).
Halichoeres lao Jenkins, 1901: 48, fig. 3 (Honolulu).

DISTRIBUTION: central and western Pacific.

Halichoeres pallidus Kuitert & Randall

Halichoeres pallidus Kuitert & Randall, 1995: 116, figs. 13-16 (Gunung Api Id, Indonesia).

DISTRIBUTION: Indonesia and Line Ids, central Pacific.

Halichoeres papilionaceus (Valenciennes)

Julis papilionaceus Val., 1839: 484 (Vanikoro Id, Santa Cruz Ids, southwestern Pacific).
Julis (Halichoeres) schwarzi Bleeker, 1847: 159 (Sumanap, eastern Madura, Indonesia).
Julis (Halichoeres) dieschismenacanthus Bleeker, 1852e: 645 (Banda Neira, Banda Ids, Indonesia).
Julis (Halichoeres) dieschismenacanthoides Bleeker, 1853a: 121 (Ambon Id, Moluccas Ids, Indonesia).
PlatyGLOSSUS (Halichoeres) doleschalli Steindachner, 1863b: 1190, pl. 2, fig. 2 (Ambon Id, Indonesia).

DISTRIBUTION: East Indies.

Halichoeres pardaleocephalus Bleeker

Julis (Halichoeres) pardaleocephalus Bleeker, 1849b: 8 (Boleling, northern Bali, Indonesia).

DISTRIBUTION: Bali and Sumatra to India.

Halichoeres pelicierii Randall & Smith

Halichoeres pelicierii Randall & Smith, 1982: 12, pl. 5, figs. C-D, pl. 6, figs. A-B (Mauritius).

DISTRIBUTION: Mauritius.

Halichoeres pictus (Poey)

Julis pictus Poey, 1860: 214 (Havana, Cuba).

DISTRIBUTION: Bermuda, Florida Keys, West Indies and Caribbean to Brazil.

Halichoeres podostigma Bleeker

Julis (Halichoeres) podostigma Bleeker, 1854c: 332 (Larantuka, Flores Id, Indonesia).

DISTRIBUTION: East Indies.

Halichoeres poeyi (Steindachner)

Choerophilus crotaphus Poey (*nec* Cuvier), 1860: 109 (Cuba).

PlatyGLOSSUS poeyi Steindachner, 1867c: 355 (Suriname).

Iridio kirschii Jordan & Evermann, 1898: 1598 (Bahia, Brazil).

DISTRIBUTION: South Florida and Bahamas to Brazil.

Halichoeres prosopeion Bleeker

Julis (Halichoeres) prosopeion Bleeker, 1853h: 347 (Ambon Id, Moluccas Ids, Indonesia).

DISTRIBUTION: western Pacific to Palau and Samoa.

Halichoeres radiatus (Linnaeus)

Labrus radiatus Linnaeus, 1758: 288 (America).

Labrus brasiliensis Bloch, 1791: 125, pl. 280 (Brazil).

Julis crotaphus Cuvier, 1829: 258 (no locality given).

Julis cyanostigma Val., 1839: 391 (Martinique).

Julis opalina Val., 1839: 392 (Martinique, West Indies).

Julis patatus Val., 1839: 398 (Martinique, West Indies).

Julis principis Val., 1839: 402 (Bahia, Brazil).

Iridio elegans Bean, 1906: 30, fig. 6 (Bermuda).

Halichoeres irideus Starks, 1913: 60, pl. 8 (Natal, Brazil).

Halichoeres irideus torquatus Parr, 1930: 84, fig. 20 (Rum Cay, Bahamas).

DISTRIBUTION: Bermuda and North Carolina to Brazil.

REMARKS: According to Luiz Alvez Rocha (pers. comm.) specimens from Brazil may represent a different species from *H. radiatus* in the Caribbean.

Halichoeres richmondi Fowler & Bean

Halichoeres richmondi Fowler & Bean, 1928: 263, pl. 24 (Inamucan Bay, Mindanao, Philippines).

DISTRIBUTION: East Indies to Micronesia.

Halichoeres rubricephalus Kuitert & Randall

Halichoeres rubricephalus Kuitert & Randall, 1995: 113, figs. 9-12 (Flores Id, Indonesia).

Halichoeres sp. 1 Kuitert, 1992: 177.

DISTRIBUTION: Flores, Indonesia.

Halichoeres scapularis (Bennett)

Julis scapularis Bennett, 1832a: 167 (Mauritius).

Halichoeres caeruleovittatus Rüppell, 1835: 14, pl. 4, fig. 1 (Jidda [Jeddah] Saudi Arabia, Red Sea; [also spelt *Halichöres caeruleo-vittatus* in text]).

Julis leschenaulti Val., 1839: 453 (Mauritius, Réunion).

Julis elegans Val. (ex Kuhl & van Hasselt) in Cuv. & Val., 1839: 467 (Java, Indonesia).

Julis (Halichoeres) phaiotaenia Bleeker, 1855a: 322 (Batu

Ids, Indonesia).

PlatyGLOSSUS alternans Cartier, 1874: 104 (Philippines).

PlatyGLOSSUS (Guentheria) pagenstecheri Kossmann & Räuber, 1877: 407, pl. 3, fig. 5 (Red Sea).

Pseudojulis ziczac De Vis, 1885: 282 (Queensland).

Halichoeres cymatogrammus Jordan & Seale, 1905: 786, fig. 8 (southern Negros, Philippines).

DISTRIBUTION: Indo-West Pacific, Red Sea to South Africa, Japan, Australia and western Pacific.

Halichoeres semicinctus (Ayres)

Julis semicinctus Ayres, 1859: 32 (Cedros Id, Baja California, Mexico).

Pseudojulis venustus Jenkins & Evermann, 1889: 145 (Guaymas, Sonora, Mexico).

DISTRIBUTION: Baja California and Gulf of California.

REMARKS: synonymy from W. Bussing (pers. comm.).

Halichoeres signifer Randall & Earle

Halichoeres signifer Randall & Earle, 1994: 292, pls. 5-7 (Masirah Id, central coast of Oman, Arabian Sea).

DISTRIBUTION: central to southern Oman.

Halichoeres solorensis Bleeker

Julis (Halichoeres) solorensis Bleeker, 1853f: 86 (Lawajong, Solor Id, Indonesia).

Julis (Halichoeres) amboinensis Bleeker, 1856a: 55 (Ambon Id, Moluccas Ids, Indonesia).

DISTRIBUTION: East Indies.

Halichoeres stigmaticus Randall & Smith

Halichoeres stigmaticus Randall & Smith, 1982: 7, pl. 3, fig. A-B (east of Muharrak Id, Bahrain, Persian Gulf).

DISTRIBUTION: Persian Gulf.

Halichoeres tenuispinis (Günther)

PlatyGLOSSUS tenuispinis Günther, 1862: 161 (China).

Artisia festiva de Beaufort, 1939: 17, fig. 2 (Amoy, China).

DISTRIBUTION: coast of China.

REMARKS: Synonymy from Randall (1999d).

Halichoeres timorensis (Bleeker)

Julis (Halichoeres) timorensis Bleeker, 1852b: 171 (Timor Id, East Indies).

Julis (Halichoeres) kawarin Bleeker, 1852b: 172 (Timor).

DISTRIBUTION: East Indies.

Halichoeres trimaculatus (Quoy & Gaimard)

Julis trimaculata Quoy & Gaimard, 1834: 705, pl. 20, fig.

2 (Vanikoro Id, Santa Cruz Ids, southwestern Pacific).
Julis auritus Val., 1839: 486 (Ulea, Caroline Ids).
Julis (Halichoeres) spilurus Bleeker, 1851b: 252 (Banda Neira, Banda Ids, Indonesia).
PlatyGLOSSUS vicinus Günther, 1909: 267, pl. 142, fig. C (Gilbert Ids).
Guntheria vestalis Whitley, 1958: 37 (Lady Musgrove Id, Queensland, Australia).

DISTRIBUTION: central and western Pacific.

REMARKS: Russell (1983b: 99) referred *Guntheria vestalis* Whitley to the synonymy of *Halichoeres trimaculatus*. *Julis auritus* was described by Valenciennes from a painting. A colour photograph of the painting was sent by Martine Desoutter of the Muséum National d'Histoire Naturelle in Paris to the second author who was then able to identify the species as *H. trimaculatus*.

Halichoeres trispilus Randall & Smith

Halichoeres trispilus Randall & Smith, 1982: 18, pl. 8, figs. A-B (Villingili Id, North Malé Atoll, Maldives).

DISTRIBUTION: Maldives, South Africa and Mauritius.

Halichoeres vrolikii (Bleeker)

Julis (Halichoeres) vrolikii Bleeker, 1855a: 323 (Batu Ids, Indonesia).

PlatyGLOSSUS ubayensis Cartier, 1874: 104 (Philippines).
Halichoeres desmogenys Fowler & Bean, 1928: 276, pls. 28-29 (Dupon Port, Leyte Id, Philippines).

DISTRIBUTION: Indonesia and Philippines to Maldives.

Halichoeres zeylonicus (Bennett)

Julis zeylonicus Bennett, 1832b: 183 (Sri Lanka).

Halichoeres bimaculatus Rüppell, 1835: 17, pl. 5, fig. 2 (Massawa, Eritrea, Red Sea).

DISTRIBUTION: Red Sea and western Indian Ocean to Indonesia.

Halichoeres sp 1

Halichoeres ornatissimus (*nec* Garrett): Masuda et al., 1984: 208.

REMARKS: Known from southern Japan and Taiwan; to be described by J. E. Randall.

? *Halichoeres* sp 2

REMARKS: Known from Belize; tentatively placed in the genus *Halichoeres*, this species is under study by J. E. Randall, P. S. Lobel and L. Kaufman.

Halichoeres sp 3

REMARKS: Known from Cocos Id, eastern Pacific; to be described by G.R. Allen and D.R. Robertson.

Halichoeres sp 4

DISTRIBUTION: Galapagos Ids.

REMARKS: A new species to be described by C.C. Baldwin and J.E. McCosker (in press).

Genus *Hemigymnus* Günther

Hemigymnus Günther, 1861: 386 (type-species, *Mullus fasciatus* Thunberg, by subsequent designation).

Cheilolabrus Alleyne & Macleay, 1877: 345 (type-species, *C. magnilabris* Alleyne & Macleay, by monotypy).

Two species (Randall, 1986a); Indo-Pacific.

Hemigymnus fasciatus (Bloch)

Labrus fasciatus Bloch, 1792: 6, pl. 290 (Japan).

Labrus fuliginosus Lacepède, 1801: 437, 493, pl. 22, fig. 3 (Madagascar, Mauritius, Réunion).

Labrus malapteronotus Lacepède, 1801: 450, 518, pl. 31, fig. 1 (Great Equatorial Ocean [Mauritius]).

Sparus meaco Lacepède, 1802: 54, 160 (Japan).

Sparus zonephorus Lacepède, 1802: 51, 155 (unnecessary replacement for *Labrus fasciatus* Bloch).

Scarus quinquefasciatus Bennett [J.W.], 1830: pl. 23 (Sri Lanka).

Halichoeres sexfasciatus Rüppell, 1835: 18, pl. 5, fig. 3 (Jidda [Jeddah], Saudi Arabia, Red Sea).

Tautoga mertensii Val., 1839: 308 (Caroline Ids).

Tautoga leucomos Bleeker, 1858c: 239 (Indonesia).

Thalassoma bilateralis von Bonde, 1934: 454, pl. 23, fig. 7 (Zanzibar fish market, Tanzania).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

Hemigymnus melapterus (Bloch)

Labrus melapterus Bloch, 1791: 137, pl. 285 (Japan).

Labrus malapterus Bloch 1792: 29, pl. 296, fig. 2 (Japan).

?*Labrus melanopterus* Forster 1795: 15 (Indian Ocean).

Labrus melampterus Bloch & Schneider, 1801: 247 (Java).

Sparus niger Lacepède, 1802: 50, 152 (Japan).

Julis boryii Lesson, 1831: 141, pl. 36 (Tahiti, Society Ids).

Tautoga dimidiatus Bleeker, 1849a: 18 (no locality).

Julis beraber Montrouzier, 1857: 474 (Woodlark Id).

Labrichthys bicolor Day, 1871: 696 (Andaman Ids).

Cheilolabrus magnilabris Alleyne & Macleay, 1877: 345, pl. 16, fig. 2 (Darnley Id, Queensland, Australia).

DISTRIBUTION: Western Indian Ocean to Samoa and Micronesia.

REMARKS: The name *melanopterus* was listed in the register of Bloch's *Naturgeschichte der ausländischen Fische*, last volume of 1795 with reference to part 5 of that work page 137. The species described there was named in 1791 as *Labrus melapterus* (H.-J. Paepke, pers. comm.).

Genus *Hologymnosus* Lacepède

Hologymnosus Lacepède, 1801: 556 (type-species,

Hologymnosus fasciatus Lacepède, by monotypy).

Genus revised by Randall (1982); 4 species; Indo-Pacific.

Hologymnosus annulatus (Lacepède)

Labrus annulatus Lacepède, 1801: 455, 526, pl. 28, fig. 3 (Indo-Pacific Ocean).

Labrus semidiscus Lacepède, 1801: 429, 473, pl. 6, fig. 2 (Great Gulf of India).

Coris elongata Günther, 1862: 201 (Aneityum Id, Vanuatu).

Coris semipartita Günther, 1862: 203 (Mauritius).

DISTRIBUTION: Indo-Pacific, Red Sea to Pitcairn Group.

Hologymnosus doliatus (Lacepède)

Labrus doliatus Lacepède, 1801: 429, 473, pl. 6, fig. 3 (Mauritius).

Hologymnosus fasciatus Lacepède, 1801: 556, 557, pl. 1, fig. 3 (Indo-Pacific Ocean).

Julis rosea Quoy & Gaimard, 1834: 709 (Mauritius).

Julis annulatus Val., 1839: 501, pl. 388 (Mauritius; Seychelles).

Julis laportei Liénard, 1845: 113 (Mauritius).

Julis (Julis) oxyrhynchos Bleeker, 1857a: 74 (Kajeli, Buru Ids, Moluccas Ids, Indonesia).

DISTRIBUTION: East Africa to Samoa and Line Ids.

REMARKS: *Julis laportei* Liénard is a new synonym.

Hologymnosus longipes (Günther)

Coris longipes Günther, 1862: 204 (Vanuatu).

DISTRIBUTION: Vanuatu, New Caledonia, Loyalty Ids and Great Barrier Reef.

Hologymnosus rhodonotus Randall & Yamakawa

Hologymnosus sp. Randall, 1982: 19.

Hologymnosus rhodonotus Randall & Yamakawa, 1988: 26, figs. 1-2 (Okinawa, Ryukyu Ids, Japan).

DISTRIBUTION: Okinawa and Philippines.

Genus *Labrichthys* Bleeker

Labrichthys Bleeker, 1854c: 331 (type-species, *Labrichthys cyanotaenia* Bleeker, by monotypy).

Thysanocheilus Kner, 1864: 185 (type-species, *Thysanocheilus ornatus* Kner, by monotypy).

One species (Randall & Springer, 1973).

Labrichthys unilineatus (Guichenot)

Cossyphus unilineatus Guichenot, 1847: 284 (Guam).

Labrichthys cyanotaenia Bleeker, 1854c: 331 (Larantuka, Flores Id, Lesser Sunda Ids, Indonesia).

Thysanocheilus ornatus Kner, 1865a: 5, pl. 3, fig. 1 (Upolu, Samoa).

PlatyGLOSSUS ocellatus Kner & Steindachner, 1867: 377 [22], pl. 2, fig. 8 (Upolu, Samoa).

Chærojulis castaneus Kner & Steindachner, 1867: 394 (Upolu, Samoa).

DISTRIBUTION: Western Indian Ocean to Samoa.

Genus *Labroides* Bleeker

Labroides Bleeker, 1851: 227, 249 (type-species, *Labroides paradiseus* Bleeker, by monotypy).

Fissilabrus Kner, 1860: 52 [14] (type-species, *Cossyphus dimidiatus* Valenciennes, by subsequent monotypy).

Fowlerella Smith, 1957a: 100, 104 (type-species, *Labroides bicolor* Fowler & Bean, by original designation).

Five species (Randall, 1958b); Red Sea and Indo-Pacific.

Labroides bicolor Fowler & Bean

Labroides bicolor Fowler & Bean, 1928: 224, pl. 18 (Port Maricaban, Philippines).

DISTRIBUTION: Indo-Pacific.

Labroides dimidiatus (Valenciennes)

Labrus latovittatus Rüppell, 1835: 7 (El Tur, Sinai coast, Egypt; preoccupied by *Labrus latovittatus* Lacepède, 1801 [= *Malacanthus latovittatus*]).

Cossyphus dimidiatus Val., 1839: 136 (replacement name for *Labrus latovittatus* Rüppell).

Labroides paradiseus Bleeker, 1851b: 249 (Indonesia).

Labroides bicincta Saviile-Kent, 1893: 308, color pl. 16, fig. 4 (Queensland, Australia).

Labroides caeruleolineatus Fowler, 1945: 65, fig. 7 (Saipan Id, West Pacific).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia and Pitcairn Group.

Labroides pectoralis Randall & Springer

Labroides pectoralis Randall & Springer, 1975: 6, pl. 1 (Auluptagel Id, Palau Ids, Philippine Sea).

DISTRIBUTION: Micronesia and western Pacific to Christmas Id (Indian Ocean).

Labroides phthirophagus Randall

Labroides phthirophagus Randall, 1958b: 337, pl. 1, fig. A (Honolulu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Labroides rubrolabiatus Randall

Labroides rubrolabiatus Randall, 1958b: 342, pl. 1, fig. B (Moorea, Society Ids).

DISTRIBUTION: Pitcairn Group, French Polynesia, Society

Ids, and Line Ids to Samoa.

Genus *Labropsis* Schmidt

Labropsis Schmidt, 1931: 75 (type-species, *Labropsis manabei* Schmidt, by original designation).

Genus revised by Randall (1981a); 6 species; Indo-Pacific.

Labropsis alleni Randall

Labropsis alleni Randall, 1981a: 131, pl. 1, fig. A (Palau).

DISTRIBUTION: western Pacific to Marshall Ids.

Labropsis australis Randall

Labropsis australis Randall, 1981a: 149, pl. 5, Figs. A-C (One Tree Id, Capricorn Group, Great Barrier Reef).

DISTRIBUTION: Great Barrier Reef to Samoa.

Labropsis manabei Schmidt

Labropsis manabei Schmidt, 1931: 76, figs. 3-4 (Itoman, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: Indonesia to Ryukyu Ids.

Labropsis micronesica Randall

Labropsis micronesica Randall, 1981a: 145, pl. 4, figs. A-C (Eniwetak Atoll, Marshall Ids).

DISTRIBUTION: Islands of Micronesia.

Labropsis polynesiaca Randall

Labropsis polynesiaca Randall, 1981a: 134, pl. 1, figs. B-C; fig. 3 (Moorea, Society Ids).

DISTRIBUTION: French Polynesia to Cook Ids.

Labropsis xanthonota Randall

Labropsis sp. Shepard & Meyer, 1978b: 37.

Labropsis sp. Allen & Steene, 1979: 50.

Labropsis xanthonota Randall, 1981a: 138, pl. 2, figs A-C (Fagatele Bay, Tutuila, American Samoa).

DISTRIBUTION: Indian Ocean to western Pacific, eastward to Micronesia and Samoa.

Genus *Labrus* Linnaeus

Labrus Linnaeus, 1758: 282 (type-species, *Labrus bimaculatus* Linnaeus, by subsequent designation).

Cicla Röse, 1793: 112 (type-species, ?*Labrus viridis*, by subsequent designation).

REMARKS: Fernholm & Wheeler (1983:253) indicate that the holotype of *Labrus bimaculatus* is a *Cichlasoma*; Case 2905 is pending before the International

Commission to select neotypes so that *Labrus bimaculatus* would be a labrid. Bailey (1997) and Kullander (1997) proposed to designate *Labrus mixtus* Linnaeus, 1758 as type-species. Quignard (1966) discussed the status of the four species. Eastern Atlantic and Mediterranean.

Labrus bergylta (Ascanius)

Labrus bergylta Ascanius, 1767: 3, pl. 1 (no locality).

Labrus comber Bonnaterre, 1788: 115, pl. 99, fig. 405 (Seas of Great Britain).

Labrus comber Gmelin, 1789: 1297 ("Cornubiae littore"; preoccupied by *Labrus comber* Bonnaterre, 1788).

Labrus ballan Bonnaterre, 1788: 115, pl. 98 (Seas of Great Britain).

Labrus ballan Walbaum 1792: 259 (Seas of Great Britain; preoccupied by Bonnaterre, 1788).

Labrus comber Walbaum, 1792: 259 (no locality; preoccupied by *Labrus comber* Bonnaterre, 1788 and *Labrus comber* Gmelin, 1789).

Labrus maculatus Bloch, 1792: 17, pl. 294 (North Sea).

Labrus aper Retzius, 1800: 335 ("Mari Occidentalis").

Labrus neustriiae Lacepède, 1801: 451, 522 (près des rives de l'ancienne Neustrie).

Labrus ballanus Shaw, 1803: 498, pl. 71 (Filey Bridge near Scarborough, England).

Labrus balanus Fleming, 1828: 209 (England).

Crenilabrus multidentatus Thompson, 1837: 56 (Ireland).

Labrus variabilis Thompson, 1837: 59 (Ireland).

Labrus donovani Val., 1839: 39 (Brittany).

Labrus reticulatus Lowe, 1839: 85 (Madeira; preoccupied by *Labrus reticulatus* Bonnaterre, 1788 [= *Symphodus ocellatus* (Forsskål, 1775)] and *Labrus reticulatus* Walbaum, 1792 *nomen dubium*).

Labrus nubilus Valenciennes, 1843: 62 (Canary Ids).

DISTRIBUTION: eastern Atlantic from Norway to Morocco, Azores, Madeira and Mediterranean.

REMARKS: *Labrus comber* Gmelin is here regarded as independently described from *L. comber* Bonnaterre.

Labrus merula Linnaeus

?*Labrus livens* Linnaeus, 1758: 287 (no locality).

Labrus merula Linnaeus, 1758: 288 (Europe).

?*Sparus lividus* Lacepède, 1802: 50, 152 (Mediterranean).

Labrus nereus Risso, 1810: 231 (Nice, France).

Labrus psittacus Risso, 1827: 304 (Nice; preoccupied by *Labrus psittacus* Lacepède, 1801 [= *Labrus viridis* Linnaeus 1758]).

?*Labrus crassus* Agassiz in Spix & Agassiz, 1831: 95, pl. 52 (off Brazil).

Labrus limbatus Val., 1839: 89 (Toulon, Nice, Naples).

Labrus lineolatus Val., 1839: 90 (Toulon, Nice, Naples).

Labrus saxorum Val., 1839: 91 (Mediterranean Sea).

DISTRIBUTION: Portugal to Morocco, Azores, and Mediterranean.

REMARKS: Jordan (1890: 609) used *Labrus livens* for this species. However, as pointed out by Valenciennes (1839: 86) nothing in the concise description of *Labrus livens* proves it represents this species. Agassiz

described *Labrus crassus* with D XVII,14; Günther (1862) and Jordan (1890) questioned the type locality. As no species of *Labrus* are known to occur in American waters, *L. crassus* probably came from Europe, and the species is a synonym of *L. merula*.

Labrus mixtus Linnaeus

- Labrus ossifagus* Linnaeus, 1758: 286 (Europe).
Labrus mixtus Linnaeus, 1758: 287 (Liburni [eastern Adriatic Sea]).
Labrus varius Linnaeus 1758: 288 (Mediterranean Sea).
Labrus coeruleus Ascanius, 1772: 5, pl. 12 (Norway).
Labrus carneus Ascanius, 1772: 6, pl. 13 (Norway).
Labrus trimaculatus Bonnaterre, 1788: 113, pl. 98, fig. 401 (Seas of Great Britain).
Labrus lineatus Bonnaterre, 1788: 113, pl. 98, fig. 402 (Seas of Great Britain).
Labrus trimaculatus Gmelin 1789: 1294 (Britain; preoccupied by *Labrus trimaculatus* Bonnaterre, 1788).
Labrus variegatus Gmelin, 1789: 1294 (Skerry).
Labrus coquus Gmelin, 1789: 1297 ("in Cornubiae littore").
? *Labrus microlepidotus* Bloch, 1792: 12, pl. 292 (no locality).
Labrus badius Walbaum 1792: 258 (no locality).
Labrus coquus Walbaum, 1792: 260 (no locality; preoccupied by *Labrus coquus* Gmelin, 1789).
Labrus herbeus Walbaum 1792: 25 (no locality).
Labrus vittatus Walbaum, 1792: 256 (no locality).
Labrus vetula Bloch, 1792: 14, pl. 293 (North Sea).
Labrus cook Bloch & Schneider 1801: 268 (no locality).
Sparus claviera Lacepède, 1802: 50, 152 (Marseille et d'Antibes; unnecessary replacement for *Labrus varius* Linnaeus).
Sparus formosus Shaw & Nodder, 1790: pl. 31 (North Atlantic).
Labrus luvarus Rafinesque, 1810a: 38 (Sicily).
Labrus quadrimaculatus Risso, 1827: 302 (Nice, France).
Acantholabrus yarellii Val., 1839: 250 (London market).
Labrus larvatus Lowe, 1852: 249 (Madeira).

DISTRIBUTION: eastern Atlantic from Norway to Senegal and Mediterranean.

REMARKS: *Labrus bimaculatus* Linnaeus, 1758 has been used for either the present species or the common South American cichlid *Cichlasoma bimaculatum*. Conservation of usage and neotype designation were proposed by Ronald Fricke and Carl J. Ferraris (Case 2905) so that the name *bimaculatus* should be maintained for the labrid species. However, *L. mixtus* continues to be used for the labrid species and *L. bimaculatus* is very much in use for the South American cichlid. Kullander (1997) designated a neotype for *L. mixtus* (Uuzm 193) and proposed: i) to set aside the application in Case 2905, ii) to place on the Official List of Specific Names in Zoology the names *bimaculatus* (specific name of the type species of *Cichlasoma*) and *mixtus* (specific name of the type species of *Labrus*), and iii) to place on the Official List of Rejected and Invalid Specific Names in Zoology the name *ossifagus*. This application was also supported by Kottelat and Wheeler (1998). We agree that stability is best attained

by accepting Kullander's proposal. *Labrus vittatus* Walbaum and *Labrus formosus* Shaw are synonyms according to Günther (1862). However, *formosus* was originally described as *Sparus formosus* Shaw and Nodder, 1790. We follow Günther (1862: 91 footnote) in regarding *Acantholabrus yarellii* as an abnormal specimen of *L. mixtus*. *Labrus microlepidotus*, with dorsal-fin rays XVII, 13 and more than 50 lateral-line scales, is likely a synonym of *L. mixtus*.

Labrus viridis Linnaeus

- Labrus viridis* Linnaeus, 1758: 286 (Mediterranean Sea).
Labrus luscus Linnaeus, 1758: 287 (no locality).
Labrus turdus Linnaeus, 1758: 287 (European Seas).
Labrus luteus Walbaum 1792: 236 (no locality).
Labrus saphyrinus Walbaum 1792: 236 (no locality).
Labrus psittacus Lacepède, 1801: 440 (no locality).
Labrus zittoides Rafinesque, 1810a: 38 (Sicily, Italy).
Labrus zittus Rafinesque, 1810a: 38, pl. 12, fig. 3 (Sicily).
Labrus prasostictes Pallas, 1814: 272 ("ad Ponti littora").
Labrus pincus Nardo, 1827: 30 (Adriatic Sea).
Labrus saxatilis Risso, 1827: 300 (Nice, France).
Labrus festivus Risso, 1827: 304 (Nice, France).
Labrus rufus Rathke, 1837: 337 (Black Sea; preoccupied by *Labrus rufus* Linnaeus, 1758 [= *Bodianus rufus*]).
Labrus lividus Val., 1839: 87 (Toulon; Marseille, Naples).
Labrus nardii Perugia 1866: 20 (Adriatic Sea).

DISTRIBUTION: Mediterranean Sea.

REMARKS: *Labrus nardii* was regarded as a synonym by Perugia (1881). *Labrus pincus* Nardo is a synonym according to Canestrini (1872) and Bini (1968).

Genus *Lachnolaimus* Cuvier

- Lachnolaimus* Cuvier, 1829: 257 (type-species, *L. suillus* Cuvier, by subsequent designation).
Lachnolaemus Agassiz, 1846: 199 (unjustified emendation).

One species.

Lachnolaimus maximus Walbaum

- Labrus maximus* Walbaum, 1792: 261 (no locality).
Lachnolaimus caninus Cuvier, 1829: 257 (no locality).
Lachnolaimus suillus Cuvier, 1829: 257 (no locality).
Lachnolaimus aigula Val., 1839: 277, pl. 378 (St. Barthélemy Id, Leeward Ids, Lesser Antilles).
Lachnolaimus dux Val., 1839: 285 (Martinique).
Lachnolaimus psittacus Val., 1839: 291 (Puerto Rico).

DISTRIBUTION: Carolinas to northern South America.

REMARKS: synonymy from Jordan (1885, 1890). *Lachnolaimus suillus* and *L. caninus* were redescribed as new by Valenciennes (1839: 286-290). The combination *Lachnolaimus falcatus* used by Günther (1862: 87), based on *Labrus falcatus* Linnaeus is invalid; *Labrus falcatus* was described by Linnaeus in the carangid genus *Trachinotus*.

Genus *Lappanella* Jordan

Lappanella Jordan, 1890: 622, 689 (type-species, *Ctenolabrus iris* Valenciennes, by monotypy, proposed as a subgenus).

Marzapanus Facciola, 1916: 148 (type-species, *Coricus fasciatus* Cocco, by monotypy).

Two species (Gomon and Forsyth, 1990). Eastern Atlantic and Mediterranean.

Lappanella fasciata (Cocco)

Coricus fasciatus Cocco, 1833: 16, fig. 3 (Messina, Sicily).
Ctenolabrus iris Val., 1839: 236, pl. 374 (Naples, Sicily; Malta).

Crenilabrus aurantiacus Facciola, 1888: 22 (Messina, Sicily; preoccupied by *Crenilabrus aurantiacus* Cocco in Facciola, 1885 [= ?*Symphodus ocellatus* (Forsskål)]).

DISTRIBUTION: eastern Atlantic, Mediterranean Sea.

REMARKS: Quignard (1965) redescribed the species without mention of *Crenilabrus aurantiacus*. Facciola (1916) recognized his *C. aurantiacus* as a synonym of *Coricus fasciatus* Cocco.

Lappanella guineensis Bauchot

Lappanella guineensis Bauchot, 1969: 1145, fig. 1 (Gulf of Guinea, 8°28'N, 14°21'W).

DISTRIBUTION: eastern Atlantic.

Genus *Larabicus* Randall & Springer

Larabicus Randall & Springer, 1973: 289 (type-species, *Labrus quadrilineatus* Rüppell, 1835 by original designation).

One species.

Larabicus quadrilineatus (Rüppell)

Labrus quadrilineatus Rüppell, 1835: 6, pl. 2, fig. 1 (Massawa, Eritrea, Red Sea).

Cossyphus taeniatus Val. (ex Ehrenberg) in Cuv. & Val., 1839: 134 (Massawa, Eritrea, Red Sea).

Labrichthys cousteaui Estève in Roux-Estève and Fourmanoir, 1955: 199 (Abu Latt, Red Sea).

DISTRIBUTION: Red Sea.

Genus *Leptojulius* Bleeker

Leptojulius Bleeker, 1862a: 412 (type-species, *Julis (Halichoeres) cyanopleura* Bleeker, by original designation).

Five species (Randall, 1996); Indo-West Pacific.

Leptojulius chrysotaenia Randall & Ferraris

Leptojulius chrysotaenia Randall & Ferraris, 1981: 91, figs.

3-4 (Ka Pu Islet, Phuket, Thailand).

DISTRIBUTION: Indonesia to Sri Lanka.

Leptojulius cyanopleura (Bleeker)

Julis finlaysoni Val., 1839: 471 (Sri Lanka).

Julis purpureolineatus Val., 1839: 471 (Sri Lanka).

Julis (Halichoeres) cyanopleura Bleeker, 1853d: 489 (Batavia [Jakarta], Indonesia).

Julis (Halichoeres) pyrrhogrammatoides Bleeker, 1853d: 490 (Batavia [Jakarta], Indonesia).

DISTRIBUTION: Malaysia, New Guinea, and Australia to Persian Gulf.

REMARKS: Randall and Parenti (1999) have proposed that the names *Julis finlaysoni* and *purpureolineatus* be suppressed in order to conserve *cyanopleura*.

Leptojulius lambdastigma Randall & Ferraris

Leptojulius lambdastigma Randall & Ferraris, 1981: 93, fig. 5 (Samar Sea, Philippines).

DISTRIBUTION: Philippines and Taiwan.

Leptojulius polylepis Randall

Leptojulius polylepis Randall, 1996: 15, pls. 2C, 3G, 3H (Guadalcanal, Solomon Ids).

DISTRIBUTION: Solomon Ids, New Guinea, and Indonesia.

Leptojulius urostigma Randall

Leptojulius urostigma Randall, 1996: 10, fig. 3, pls 3D-F (Batangas Prov., Luzon Id, Philippines).

DISTRIBUTION: Taiwan to Indonesia.

Genus *Macropharyngodon* Bleeker

Macropharyngodon Bleeker, 1862a: 412 (type-species, *Julis geoffroy* Quoy & Gaimard, by original designation).

Ten species (Randall, 1978b). Indo-Pacific.

Macropharyngodon bipartitus Smith

Macropharyngodon bipartitus Smith, 1957a: 104, fig. 2; pl. 2, fig. B (Pinda, Mozambique).

Macropharyngodon varialvus Smith, 1957a: 105, fig. 3; pl. 2, fig. A (Pinda, Mozambique).

Macropharyngodon bipartitus marisrubri Randall, 1978: 759, figs. 5 a-b (Taba, Gulf of Aqaba).

DISTRIBUTION: Western Indian Ocean and Red Sea. Two subspecies: *Macropharyngodon bipartitus marisrubri*, Red Sea, and *Macropharyngodon bipartitus bipartitus*, western Indian Ocean.

***Macropharyngodon choati* Randall**

Macropharyngodon choati Randall, 1978b: 761, fig. 5d
(One Tree Id, Capricorn Group, Great Barrier Reef).

DISTRIBUTION: southern Great Barrier Reef, New South Wales, and New Caledonia.

***Macropharyngodon cyanoguttatus* Randall**

Macropharyngodon cyanoguttatus Randall, 1978b: 749, figs. 3 c-d (Mauritius).

DISTRIBUTION: Mauritius, Réunion, and South Africa.

***Macropharyngodon geoffroy* (Quoy & Gaimard)**

Julis geoffroy Quoy & Gaimard, 1824: 270, pl. 56, fig. 3 (Hawaiian Ids).

Labrus margaritiferus Cuvier, 1829: 258 (no locality).

Macropharyngodon aquilolo Jenkins, 1901: 46, fig. 1 (Honolulu, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

REMARKS: Cuvier (1829: 258) published the name *Labrus margaritiferus* as a footnote with reference to fig. 3 on a plate in Quoy and Gaimard (1824) with the common name "Girelle Labiche". The plate number was mistakenly omitted. This common name does not appear on any Quoy and Gaimard plates. M.-L. Bauchot checked the original manuscript 506 (XIII B 62) and found the name Girelle Labiche written in pencil on a tracing of the painting of pl. 56, fig. 3 of Quoy and Gaimard. This was the first common name given to the species by Quoy. It was later changed to Girelle Geoffroy.

***Macropharyngodon kuiteri* Randall**

Macropharyngodon kuiteri Randall, 1978b: 766, figs. 5 g-h (Seal Rocks, New South Wales, Australia).

DISTRIBUTION: southern Great Barrier Reef, New South Wales, and New Caledonia.

***Macropharyngodon meleagris* (Valenciennes)**

Julis meleagris Val., 1839: 481 (Ulea, Caroline Ids).

Leptojulis pardalis Kner, 1867: 728 [19], pl. 3, fig. 2 (Fiji).

PlatyGLOSSUS nigromaculatus Günther, 1872a: 666, pl. 65, fig. B (Savai'i [Savay] Id, Western Samoa Ids).

Halichoeres nigropunctatus Seale, 1901a: 89 (Guam).

DISTRIBUTION: western and central Pacific.

***Macropharyngodon moyeri* Shepard & Meyer**

Macropharyngodon moyeri Shepard & Meyer, 1978a: 159, fig. 1 (Miyakejima, Izu Ids, Japan).

DISTRIBUTION: southern Japan.

***Macropharyngodon negrosensis* Herre**

Macropharyngodon negrosensis Herre, 1932: 142 (Dumagnete, Oriental Negros, Philippines).

DISTRIBUTION: western Pacific to Micronesia and Samoa.

***Macropharyngodon ornatus* Randall**

Macropharyngodon ornatus Randall, 1978b: 753, figs. 3 g-h (Ambon Id, Moluccas Ids, Indonesia).

DISTRIBUTION: Indonesia to western Indian Ocean.

***Macropharyngodon vivienae* Randall**

Macropharyngodon vivienae Randall, 1978b: 764, fig. 6 (outer slope of barrier reef, off Tuléar, Madagascar).

DISTRIBUTION: Madagascar and South Africa.

Genus *Malapterus* Valenciennes

Malapterus Val., 1839: 355 (type-species, *Malapterus reticulatus* Valenciennes, by monotypy).

Malacopterus Günther, 1862: (unjustified emendation, preoccupied by Audinet-Serville 1834 in Coleoptera).

Neolabrus Steindachner, 1875: 461 (type-species, *Neolabrus fenestratus* Steindachner, by monotypy).

Hospilabrus Whitley, 1931a: 334 (unnneeded replacement for *Malapterus* Valenciennes).

A valid genus (Pequeño, 1989 and M. Protti, pers. comm.).
One species.

***Malapterus reticulatus* Valenciennes**

Malapterus reticulatus Val., 1839: 355, pl. 383 (Juan Fernández Ids).

Neolabrus fenestratus Steindachner, 1875: 461 [19], pl. 1, fig. 2 (Juan Fernández Ids).

DISTRIBUTION: Juan Fernández Ids, Chile.

Genus *Minilabrus* Randall & Dor

Minilabrus Randall & Dor, 1980: 155 (type-species, *M. striatus* Randall & Dor, by original designation).

One species.

***Minilabrus striatus* Randall & Dor**

Minilabrus striatus Randall & Dor, 1980: 155, figs. 1-3 (Um Aabak, Dahlak Archipelago, Eritrea, Red Sea).

DISTRIBUTION: Red Sea.

Genus *Nelabrichthys* Russell

Nelabrichthys Russell, 1983a: 1 (type-species, *Labrus ornatus* Carmichael, by original designation).

One species.

Nelabrichthys ornatus (Carmichael)

Labrus ornatus Carmichael, 1819: 502, pl. 27 (Tristan da Cunha, South Atlantic).

Labrichthys isleanus Sauvage, 1875: 988 (St Paul Id, southern Indian Ocean).

Labrichthys lantzii Sauvage, 1875: 988 (St Paul Id).

PlatyGLOSSUS robinsoni Gilchrist & Thompson, 1914: 86 (Natal, South Africa [specimen evidently mislabelled]).

DISTRIBUTION: Tristan da Cunha Group, Gough, and Vema Seamount in the southern Atlantic, and St Paul and Amsterdam Ids in the southern Indian Ocean.

Genus *Notolabrus* Russell

Notolabrus Russell, 1988: 12 (type-species, *Labrus fucicola* Richardson, by original designation).

Seven species (Russell, 1988). Mostly in southern Australia and New Zealand.

Notolabrus celidotus (Bloch & Schneider)

Labrus celidotus Bloch & Schneider (ex Forster), 1801: 265 (New Zealand).

Labrus poecilopleura Val., 1839: 95 (New Zealand).

Julis notatus Richardson and Solander in Richardson, 1843c: 425 (Totaeranue, Queen Charlotte Sound and Tolaga, New Zealand).

Labrus botryocosmus Richardson, 1846a: 53, pl. 31 (South Australia).

DISTRIBUTION: New Zealand.

Notolabrus cinctus (Hutton)

Labrichthys cincta Hutton, 1877: 354 (Otago, New Zealand).

DISTRIBUTION: New Zealand.

Notolabrus fucicola (Richardson)

Labrus fucicola Richardson, 1840: 26 (Tasmania).

Labrichthys fucicolor Hutton, 1890: 281 (misprinting or emendation).

Pseudolabrus pittensis Waite, 1910: 26 (Chatham Ids).

DISTRIBUTION: southwestern Australia and New Zealand.

Notolabrus gymnogenis (Günther)

Labrichthys gymnogenis Günther, 1862: 117 (Australia).

Labrichthys nigromarginatus MacLeay, 1878b: 35, pl. 3, fig. 3 (Port Jackson, New South Wales, Australia).

DISTRIBUTION: Queensland to Tasmania, Lord Howe Id.

Notolabrus inscriptus (Richardson)

Labrus inscriptus Richardson, 1848: 134, pl. 56, figs. 1-2 (Norfolk Id).

DISTRIBUTION: New South Wales, New Zealand, Lord Howe Id, Norfolk Id, and Kermadecs.

Notolabrus parilus (Richardson)

Tautoga parila Richardson, 1850: 70 (King George Sound, Western Australia).

Labrichthys punctulata Günther, 1862: 118 (Swan river, Western Australia).

Labrichthys edelensis Castelnau, 1873: 137 (Fremantle, Western Australia).

Labrichthys bostockii Castelnau, 1873: 137 (Fremantle).

Labrichthys convexus Castelnau, 1875: 38 (Fremantle).

Labrichthys rubra Castelnau, 1875: 38 (Fremantle).

Labrichthys unicolor Castelnau, 1875: 37 (Fremantle).

DISTRIBUTION: southern and western Australia.

Notolabrus tetricus (Richardson)

Labrus tetricus Richardson, 1840: 25 (Tasmania).

Labrichthys bleekeri Castelnau, 1872a: 148 (Melbourne).

Labrichthys richardsoni Castelnau, 1872a: 150 (Melbourne)

Labrichthys vestita Castelnau, 1872a: 151 (Melbourne).

Labrichthys tetrica var *fuscipinnis* Klunzinger, 1872: 37 (Hobson's Bay, Victoria, Australia).

Labrichthys tetrica var *tigripinnis* Klunzinger, 1872: 37 (Hobson's Bay, Victoria, Australia).

Labrichthys cuvieri Castelnau, 1873: 53 (Tasmania).

?*Labrichthys tetrica* var *ocellata* Klunzinger, 1880: 402 (Murray river, South Australia).

Labrichthys cyanogenys Ramsay & Ogilby, 1887b: 242 (Broken Bay, New South Wales, Australia).

Labrichthys ceruleus Saville-Kent, 1897: 174 (Tasmania).

DISTRIBUTION: southern New South Wales to Tasmania and South Australia.

Genus *Novaculichthys* Bleeker

Novaculichthys Bleeker, 1862a: 414 (type-species, *Labrus taeniourus* Lacepède, by original designation).

Malacocentrus Gill, 1862: 143 (type-species, *Xyrichthys taeniurus* Valenciennes, by original designation).

Dimalacocentrus Gill, 1863: 223 (type-species, *Novacula kallosoma* Bleeker, by monotypy).

Semachlorella Fowler & Bean, 1928: 367 (type-species, *Julis bifer*, Lay & Bennett, by original designation)

Novaculops Schultz, 1960: (122) 143 (type-species, *Novaculichthys woodi* Jenkins, by original designation).

This genus is under study by J.E. Randall and J.L. Earle; 7 species, including 3 undescribed species. Red Sea to eastern Pacific.

Novaculichthys macrolepidotus (Bloch)

Labrus macrolepidotus Bloch, 1791: 135, pl. 284, fig. 2 (no locality).

Labrus arago Quoy & Gaimard, 1824: 263, pl. 65, fig. 2 (Iles des Papous).

Julis taenianotus Cuvier in Quoy & Gaimard, 1824: 271

(Waigeo, Indonesia).

Julis trimaculata Val., 1839: 386 (no locality; preoccupied by *Julis trimaculata* Quoy & Gaimard, 1834 [= *Halichoeres trimaculatus*]).

Novacula julioides Bleeker, 1851b: 354 (Indonesia).

DISTRIBUTION: Indian Ocean to Mariana Ids.

Novaculichthys perlas
(Wellington, Allen & Robertson)

Xyrichtys perlas Wellington, Allen & Robertson, 1994: 49, figs. 1-3 (Isla San Jose, Perlas Ids, eastern Pacific).

DISTRIBUTION: Perlas Ids (Gulf of Panama).

Novaculichthys taeniourus (Lacepède)

Labrus taeniourus Lacepède, 1801: 448, 518, pl. 29, fig. 1 (Great Equatorial Ocean [Mauritius]).

Sparus hemisphaerium Lacepède, 1802: 53, 160 (Madagascar).

Sparus brachion Lacepède, 1802: 54, 160 (Madagascar).

Julis vanikorensis Quoy & Gaimard, 1834: 704, pl. 20, fig. 1 (Vanikoro Id, Santa Cruz Ids, southwestern Pacific).

Xyrichtys altipinnis Rüppell, 1835: 22, pl. 7 (Jidda [Jeddah], Saudi Arabia, Red Sea).

Julis bifer Lay & Bennett, 1839: 64, pl. 18, fig. 2 (Oahu Id, Hawaiian Ids).

Novacula cephalotaenia Bleeker, 1854c: 333 (Indonesia).

Novacula hoedtii Bleeker, 1856a: 59 (Ambon, Indonesia).

Novacula kallosoma Bleeker, 1860b: 5 (Ambon and Bali).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Hawaiian Ids, and tropical eastern Pacific.

REMARKS: Valenciennes redescribed *Labrus taeniourus* Lacepède as *Xyrichtys taeniourus* nob. (Val., 1840: 54) and *Julis vanikorensis* Quoy & Gaimard as *Xyrichtys vanikolensis* nob. (Val., 1840: 57).

Novaculichthys woodi Jenkins

Novaculichthys woodi Jenkins, 1901: 52, fig. 8 (Honolulu).

Novaculichthys entargyreus Jenkins, 1901: 53, fig. 9 (Honolulu, Oahu Id, Hawaiian Ids).

Novaculichthys tattoo Seale, 1901b: 5, fig. 2 (Honolulu).

Xyrichtys sciiistius Jordan & Thompson 1914: 263, pl. 30, fig. 3 (Sagami Bay, Japan).

DISTRIBUTION: Hawaiian Ids and southern Japan.

***Novaculichthys* sp 1**

DISTRIBUTION: Lord Howe Id (Francis, 1993).

***Novaculichthys* sp 2**

DISTRIBUTION: Papua New Guinea.

***Novaculichthys* sp 3**

DISTRIBUTION: Easter Id.

Genus *Ophthalmolepis* Bleeker

Ophthalmolepis Bleeker, 1862a: 413 (type-species, *Julis lineolatus* Valenciennes, by original designation).

One species.

Ophthalmolepis lineolatus (Valenciennes)

Julis lineolatus Val., 1839: 436 (Victoria, Australia).

Julis cyanogramma Richardson, 1850: 73 (King George Sound, Western Australia).

Pseudojulis lineata Castelnau, 1873: 138 (Fremantle, WA).

Julis adelaidensis Castelnau, 1875: 35 (Adelaide).

DISTRIBUTION: Southern Queensland to southern and western Australia.

Genus *Oxycheilinus* Gill

Oxycheilinus Gill, 1863: 143 (type-species, *Cheilinus arenatus* Valenciennes, by original designation).

Twelve species, of which 4 are undescribed (Westneat, pers. comm.); Indo-Pacific. Synonymies are partially based on Fowler (1928) and de Beaufort (1940) and they should be considered provisional. The genus is currently under revision by M.W. Westneat, J.E. Randall and M.F. Gomon.

Oxycheilinus arenatus (Valenciennes)

Cheilinus arenatus Val., 1840: 101, pl. 397 (Réunion Id).

Cheilinus notophthalmus Bleeker, 1853d: 493 (Indonesia).

DISTRIBUTION: Red Sea, Indian Ocean to Micronesia and Samoa (in deep water).

Oxycheilinus bimaculatus (Valenciennes)

Cheilinus bimaculatus Val., 1840: 96 (Honolulu).

Cheilinus ceramensis Bleeker, 1852c: 290 (Indonesia).

Cheilinus mossambicus Günther, 1862: 127 (Mozambique).

Cheilinus melanopleura Bleeker, 1866: 134 (Ambon Id).

Cheilinus bifasciatus Bleeker, 1871: 327, fig. 3 (Ambon).

DISTRIBUTION: Indo-Pacific, including Hawaiian Ids.

Oxycheilinus celebicus (Bleeker)

Cheilinus celebicus Bleeker, 1853g: 171 (Indonesia).

Cheilinus hoevenii Bleeker, 1862b: 297 (Indonesia).

Cheilinus oxyrhynchus Bleeker, 1862b: 300 (Sulawesi; Ambon and Batjan; Indonesia).

DISTRIBUTION: Indo-Australian Archipelago and Japan.

Oxycheilinus digramma (Lacepède)

Labrus digramma Lacepède, 1801: 448, 518, pl. 1, fig. 2 (Mauritius).

Sparus radiatus Bloch & Schneider, 1801: 270 (East Indies).

Cheilinus coccineus Rüppell, 1828: 23 (Jeddah, Red Sea).
Cheilinus commersoni Bennett, 1832a: 167 (Mauritius).
Cheilinus radiatus Val., 1840: 91 (Red Sea).
Cheilinus roseus Val., 1840: 105 (Ulea, Caroline Ids).
Cheilinus lacrymans Val., 1840: 109 (Indonesia).

DISTRIBUTION: Red Sea to western Pacific.

REMARKS: the name has been often incorrectly spelled *diagrammus* (Kyushin et al., 1977; Dor, 1984; Yamakawa in Masuda et al. 1984; Randall 1986a).

***Oxycheilinus mentalis* (Rüppell)**

Cheilinus mentalis Rüppell, 1828: 24 (Massawa, Eritrea).
Cheilinus venosus Val., 1840: 100 (Suez, Red Sea).

DISTRIBUTION: Red Sea and Gulf of Aden.

***Oxycheilinus orientalis* (Günther)**

Cheilinus orientalis Günther (ex Bleeker), 1862: 132 (Batjan, Indonesia).

DISTRIBUTION: Indonesia to New Caledonia.

***Oxycheilinus rhodochrous* (Playfair & Günther)**

Cheilinus rhodochrous Playfair & Günther, 1867: 90, pl. 11, fig. 3 (Zanzibar).

DISTRIBUTION: Zanzibar.

REMARKS: erroneously regarded as the senior synonym of *Cheilinus unifasciatus* Streets by de Beaufort (1940). The citation by Masuda et al. (1984) appears to be a misidentification of *C. unifasciatus*. Provisionally, we consider it valid. Perhaps it is a deeper water fish not seen in normal diving depths.

***Oxycheilinus unifasciatus* (Streets)**

Cheilinus polygramma Val., 1840: 103 (Caroline Ids).
Cheilinus unifasciatus Streets, 1877: 82 (Line Ids).
Chilinus [sic] hexagonatus Günther, 1881: 287, pl. 135, fig. B (Yap Id; Hawaiian Ids).
Cheilinus zonurus Jenkins, 1901: 56, fig. 13 (Johnson Id, central Pacific).
Cheilinus cingulatus Weber, 1913: 365, pl. 9, fig. 5 (Binongka, Siboga sta. 220; Banda, Siboga sta. 240).

DISTRIBUTION: western and central Pacific, including Pitcairn Group.

REMARKS: This species was often misidentified as *Cheilinus rhodochrous*. Randall and Parenti (1999) proposed the rejection of *Cheilinus polygramma* in order to conserve *O. unifasciatus*.

***Oxycheilinus* sp 1**

DISTRIBUTION: Red Sea.

***Oxycheilinus* sp 2**

DISTRIBUTION: New Caledonia, southeastern Australia.

***Oxycheilinus* sp 3**

DISTRIBUTION: Indonesia.

***Oxycheilinus* sp 4**

DISTRIBUTION: Rarotonga, Cook Ids.

Genus *Oxyjulis* Gill

Oxyjulis Gill, 1863: 223 (type-species, *Halichoeres californicus* Günther, by original designation).

One species.

***Oxyjulis californica* (Günther)**

Julis modestus Girard, 1854: 151 (Monterey and San Diego, California; preoccupied by *Julis modestus* Bleeker, 1847 [= *Halichoeres chloropterus* (Bloch)]).
Halichoeres californicus Günther, 1861: 386 *nomen novum* for *Julis modestus* Girard.

DISTRIBUTION: California to Baja California.

Genus *Paracheilinus* Fourmanoir

Paracheilinus Fourmanoir in Roux-Estève & Fourmanoir, 1955: 199 (type-species, *Paracheilinus octotaenia* Fourmanoir, by original designation).

Genus revised by Randall & Lubbock (1981); 13 species. Red Sea to Hawaiian Ids and Fiji.

***Paracheilinus angulatus* Randall & Lubbock**

Paracheilinus angulatus Randall & Lubbock, 1981: (21) 26, pl. 2, fig. D (Batangas, Luzon Id, Philippines).

DISTRIBUTION: Philippines.

***Paracheilinus attenuatus* Randall, 1999**

Paracheilinus attenuatus Randall, 1999: 34, figs 2–6 (St François, Amirante Ids, Seychelles).

DISTRIBUTION: Seychelles and off Kenya.

***Paracheilinus bellae* Randall**

Paracheilinus bellae Randall, 1988: 222, pls. 2, fig. D and 3, fig. H (Kwajalein Atoll, Marshall Ids).

DISTRIBUTION: Marshall Ids.

***Paracheilinus carpenteri* Randall & Lubbock**

Paracheilinus carpenteri Randall & Lubbock, 1981: 24, pl. 2, figs. A-B (Mactan Id, east of Cebu, Philippines).
Parachelinus sp. 2 Debelius & Kuitert, 1994: 232.

DISTRIBUTION: Philippines, Indonesia, and Taiwan.

***Paracheilinus cyaneus* Kuitert & Allen**

Paracheilinus cyaneus Kuitert & Allen, 1999: 121, figs. 1-3 (Bandang Id, Banggai Ids, Indonesia).

DISTRIBUTION: Banggai Ids, Derawan Id, Sulawesi.

***Paracheilinus filamentosus* Allen**

Paracheilinus filamentosus Allen, 1974: 452, fig. 2 (Kranket Id, Madang, New Guinea).

DISTRIBUTION: East Indies.

***Paracheilinus flavianalis* Kuitert & Allen**

Paracheilinus flavianalis Kuitert & Allen, 1999: 123, figs. 4-7 (Scott Reef, Western Australia).

DISTRIBUTION: Indonesia, northwestern Australia.

***Paracheilinus hemitaeniatus* Randall & Harmelin-Vivien**

Paracheilinus hemitaeniatus Randall & Harmelin-Vivien, 1977: 338, fig. 4 (Tuléar, Madagascar).

DISTRIBUTION: Madagascar and South Africa (photograph by Dennis King of a specimen from KwaZulu-Natal, P.C. Heemstra, pers. comm.).

***Paracheilinus lineopunctatus* Randall & Lubbock**

Paracheilinus lineopunctatus Randall & Lubbock, 1981: 21, pl. 1, fig. B (Mactan Id, east of Cebu, Philippines).

DISTRIBUTION: Philippines.

***Paracheilinus mcoskeri* Randall & Harmelin-Vivien**

Paracheilinus mcoskeri Randall & Harmelin-Vivien, 1977: 332, fig. 2 (Grande Comore, Comoro Ids).
Paracheilinus sp. 1 Debelius & Kuitert, 1994: 232.

DISTRIBUTION: western Indian Ocean, Comores, Persian Gulf, Maldives to Fiji.

***Paracheilinus octotaenia* Fourmanoir**

Paracheilinus octotaenia Fourmanoir in Roux-Estève & Fourmanoir, 1955: 199, fig. 1 (Abu Latt, Red Sea).

DISTRIBUTION: Red Sea.

***Paracheilinus piscilineatus* (Cornic)**

Cirrhilabrus piscilineatus Cornic, 1987: 141 (Mauritius).

DISTRIBUTION: Mauritius.

***Paracheilinus togeanensis* Kuitert & Allen**

Paracheilinus togeanensis Kuitert & Allen, 1999: 127, fig. 8 (Batudaka Id, Togeang Islands, Indonesia).

DISTRIBUTION: Indonesia.

Genus *Parajulis* Bleeker

Parajulis Bleeker, 1865: 251 (type-species, *Julis poecilepterus* Temminck & Schlegel, by original designation).

One species.

***Parajulis poecilepterus* (Temminck & Schlegel)**

Julis poecilepterus Temminck & Schlegel, 1845: 169, pl. 86 bis, fig. 1 (Bay of Sinabara, Japan).

Julis poecilopterus Richardson, 1846b: 260 (China).

Julis thirsites Richardson, 1846b: 260 (Canton, China).

Julis pyrrhogramma Schlegel in Temminck & Schlegel, 1845: 170, pl. 86bis, fig. 2 (Nagasaki, Japan).

DISTRIBUTION: Korea, northern Japan at Hakodate to Taiwan and Hong Kong (but not Ryukyu Ids).

REMARKS: In a revision of *LeptoJulis*, Randall & Ferraris (1981), wrote "According to Nguyen Tri Truc (pers. comm.), who wrote his Ph D dissertation on the osteology of Japanese labrid fishes, *Julis poecilepterus* should be placed in the monotypic genus *Parajulis*." *Parajulis* is distinguishable from *Halichoeres* by the following combination of characters: vertebral number 9-10+17-18; second anal pterygiophore lies before first haemal spine; juncture of dentaries sutured; two pairs of enlarged anterior canines on each jaw; teeth on side of jaws small; epiotic-parietal-frontal crest meet ridge of median groove far from the junction of frontal; D IX, 14; A III, 14. In the literature the specific name is often spelled as *poecilopterus* (Masuda et al., 1984: 209; Shen, 1993: 459; Kuitert and Randall, 1995: 113).

Genus *Pictilabrus* Gill

Pictilabrus Gill, 1891: 403 (type-species, *Labrus laticlavus* Richardson, by monotypy).

Revised by Russell (1988); 3 species. Southern Australia.

***Pictilabrus brauni* Hutchins & Morrison**

Pictilabrus brauni Hutchins & Morrison, 1996: 39, figs. 1, 4, 7 (Cheyne Beach, Western Australia).

DISTRIBUTION: south coast of Western Australia.

***Pictilabrus laticlavus* (Richardson)**

Labrus laticlavus Richardson, 1840: 26 (Tasmania).

Hemigymnus bleasdalei Castelnau, 1875: 38 (Adelaide).

Labrichthys labiosa Macleay, 1881: 88, pl. 1, fig. 2 (Port Jackson, New South Wales, Australia).

Eupetrichthys gloveri Scott in Scott, Glover & Southcott, 1974: 303 (Thistle Id, South Australia).

DISTRIBUTION: New South Wales to western Australia.

***Pictilabrus viridis* Russell**

Pictilabrus viridis Russell, 1988: 38, figs. 8, 12-13, 15-18, 23; pl. 4e-f (Lucky Bay, Cape La Grande, W.A.).

DISTRIBUTION: southwestern Australia.

Genus *Polylepion* Gomon

Polylepion Gomon, 1977: 622 (type-species, *Bodianus russelli* Gomon & Randall, by original designation).

Two species. Eastern to western Pacific.

***Polylepion cruentum* Gomon**

Polylepion cruentum Gomon, 1977: 624, figs. 1, 2 left, 3 (eastern Pacific off Quepos, Costa Rica).

DISTRIBUTION: Gulf of California to Costa Rica.

***Polylepion russelli* (Gomon & Randall)**

Bodianus russelli Gomon & Randall, 1975: 444 (off Moku Manu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids, Society Ids, Marianas, and Okinawa (at depths over 100 m).

Genus *Pseudocheilinops* Schultz

Pseudocheilinops Schultz in Schultz et al., 1960: 128 (type-species, *P. ataenia* Schultz, by original designation).

One species.

***Pseudocheilinops ataenia* Schultz**

Pseudocheilinops ataenia Schultz in Schultz et al., 1960: 129, fig. 94 (Talisse Id, Sulawesi, Indonesia).

DISTRIBUTION: Indonesia, Philippines, and Micronesia.

Genus *Pseudocheilinus* Bleeker

Pseudocheilinus Bleeker, 1862a: 409 (type-species, *Cheilinus hexataenia* Bleeker, by original designation).

Genus revised by Randall (1999a); 7 species; Indo-Pacific.

***Pseudocheilinus citrinus* Randall**

Pseudocheilinus citrinus Randall, 1999: 5, pl. 1A (Pitcairn Id).

DISTRIBUTION: Cook, Austral and Pitcairn Ids.

***Pseudocheilinus dispilus* Randall**

Pseudocheilinus dispilus Randall, 1999a: 10, pl. 1B,C (Réunion).

DISTRIBUTION: Réunion and Mauritius.

***Pseudocheilinus evanidus* Jordan & Evermann**

Pseudocheilinus evanidus Jordan & Evermann, 1903: 192 (Hawaii, Hawaiian Ids).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Japan, Australia, Hawaiian and Marquesas Ids.

***Pseudocheilinus hexataenia* (Bleeker)**

Cheilinus hexataenia Bleeker, 1857c: 84 (Indonesia).

Pseudocheilinus psittaculus, Kner & Steindachner 1867: 376 [21], pl. 3, fig. 7 (Phoenix Ids, Pacific).

Cossyphus echis Guichenot, 1869: 197, pl. 12, fig. 5 (Madagascar).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Ryukyu, Johnston Id, Australia, Lord Howe and Tuamotu Ids, but not at the Hawaiian Ids.

***Pseudocheilinus ocellatus* Randall, 1999**

Pseudocheilinus ocellatus Randall: 1999a: 21, fig. 3, pls 1H, 2A (Laura Id, Majuro Atoll, Marshall Ids).

DISTRIBUTION: western-central Pacific, Japan and Pitcairn.

***Pseudocheilinus octotaenia* Jenkins**

Pseudocheilinus octotaenia Jenkins, 1901: 64, fig. 22 (Honolulu, Oahu Id, Hawaiian Ids).

Pseudocheilinus margaretae Smith, 1956a: 929, fig. 1 (Aldabra Id, Seychelles).

DISTRIBUTION: Indo-Pacific, from South Africa to Hawaiian Ids and Pitcairn Group.

***Pseudocheilinus tetrataenia* Schultz**

Pseudocheilinus tetrataenia Schultz in Schultz et al., 1960: 167, fig. 98 (Reer Id, Bikini Atoll, Marshall Ids).

DISTRIBUTION: Islands of Oceania, including Hawaiian Ids and Pitcairn Ids.

Genus *Pseudocoris* Bleeker

Pseudocoris Bleeker, 1862a: 411 (type-species, *Julis (Halichoeres) heteropterus* Bleeker, by original designation).

Five species (Chen & Shao, 1995). Indo-Pacific.

***Pseudocoris aurantiofasciata* Fourmanoir**

Pseudocoris aurantiofasciatus Fourmanoir, 1971: 130, fig. 2 (Rangiroa, Tuamotu Archipelago).

DISTRIBUTION: central and western Pacific.

***Pseudocoris bleekeri* (Hubrecht)**

Coris bleekeri Hubrecht, 1876: 214 (Moluccas, Indonesia).

Coris philippina Fowler & Bean, 1928: 309, pl. 42 (Sulade Id, Philippines).

Julis albolumbata Schmidt, 1931: 87, fig. 8 (Okinawa Id).

DISTRIBUTION: Ryukyu Ids to Indonesia.

Pseudocoris heteroptera (Bleeker)

Julis (Halichoeres) heteropterus Bleeker, 1857c: 78 (Ambon Id, Moluccas Ids, Indonesia).

DISTRIBUTION: South Africa, Seychelles to western Pacific.

Pseudocoris ocellata Chen & Shao

Pseudocoris ocellatus Chen & Shao, 1995: 690, fig. 1 (Wanlitung, southern Taiwan).

DISTRIBUTION: Taiwan.

Pseudocoris yamashiroi (Schmidt)

Julis yamashiroi Schmidt, 1931: 85, fig. 5 (Okinawa).

Julis awayae Schmidt, 1931: 86, figs. 6-7 (Okinawa).

DISTRIBUTION: Indo-Pacific, Maldives to Japan and Samoa.

Genus *Pseudodax* Bleeker

Pseudodax Bleeker, 1861b: 229 (type-species, *Odax moluccanus* Valenciennes, by original designation).

One species.

Pseudodax moluccanus (Valenciennes)

Odax moluccanus Val., 1840: 305, pl. 408, fig. 2 (Moluccas Ids, Indonesia).

Odax borbonicus Val., 1840: 306 (Réunion Id).

Odax varius Val., 1840: 307 (Ulea, Caroline Ids).

Pseudodax moluccensis Günther, 1862: 208 (emendation).

DISTRIBUTION: Red Sea to South Africa, southern Japan, Society Ids, Marquesas and Tuamotu Ids.

REMARKS: Synonymy from Randall and Parenti (1999).

Genus *Pseudojuloides* Fowler

Pseudojuloides Fowler, 1949: 119 (type-species, *Pseudojulis cerasina* Snyder, by original designation).

Genus revised by Randall and Randall (1981); 11 species Red Sea to South Africa and Eastern Pacific.

Pseudojuloides argyreogaster (Playfair & Günther)

Pseudojulis argyreogaster Playfair & Günther, 1867: 95, pl. 12, fig. 2 (Zanzibar).

DISTRIBUTION: Zanzibar, Seychelles.

Pseudojuloides atavai Randall & Randall

LeptoJulis sp. Randall, 1973: 198.

Pseudojuloides atavai Randall & Randall, 1981: 58, figs. 4-5 (Pitcairn Id).

DISTRIBUTION: French Polynesia, Pitcairn Group, Guam.

Pseudojuloides cerasinus (Snyder)

Pseudojulis cerasina Snyder, 1904: 528 (Honolulu)

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Hawaiian Ids, and eastern Pacific.

Pseudojuloides elongatus Ayling & Russell

Pseudojuloides elongatus Ayling & Russell, 1977: 174, figs. 4-6, 8-10 (Poor Knights Ids, New Zealand).

DISTRIBUTION: Japan, New Zealand, Australia.

Pseudojuloides erythropros Randall & Randall

Pseudojuloides erythropros Randall & Randall, 1981: 71, figs. 13-14 (Mauritius).

DISTRIBUTION: Mauritius and Seychelles.

Pseudojuloides inornatus (Gilbert)

Pseudojulis inornatus Gilbert, 1890: 67 (off Baja California, Mexico).

DISTRIBUTION: Baja California.

REMARKS: David G. Smith examined the holotype and only known specimen of this species at the U.S. National Museum of Natural History and confirmed that the dentition is that of the genus *Pseudojuloides*. The description of the colour of the specimen in preservative by Gilbert does not match of any species of the genus.

Pseudojuloides kaleidos Kuitert & Randall

Pseudojuloides kaleidos Kuitert & Randall, 1995: 107, figs. 1-4 (Maldives).

DISTRIBUTION: Maldives and Indonesia.

Pseudojuloides mesostigma Randall & Randall

Pseudojuloides mesostigma Randall & Randall, 1981: 68, figs. 11-12 (Philippines).

DISTRIBUTION: East Indies and Philippines.

Pseudojuloides pyrius Randall & Randall

Pseudojuloides pyrius Randall & Randall, 1981: 62, figs. 6-7 (Tahuata, Marquesas Ids).

DISTRIBUTION: Marquesas Ids.

***Pseudojuloides severnsi* Bellwood & Randall**

Pseudojuloides sp. 1: Masuda & Kobayashi (1994)

Pseudojuloides severnsi Bellwood & Randall, 2000: 1, figs 1-5 (Alor, Indonesia).

DISTRIBUTION: Ryukyu Ids and Alor, Indonesia.

***Pseudojuloides xanthomos* Randall & Randall**

Pseudojuloides xanthomos Randall & Randall, 1981: 67, fig. 10 (Gunner's Quoin, Mauritius).

DISTRIBUTION: Mauritius.

Genus *Pseudolabrus* Bleeker

Pseudolabrus Bleeker, 1862a: 413 (type-species, *Labrus rubiginosus* Temminck & Schlegel, by original designation).

Lunolabrus Whitley, 1933: 86 (type-species, *Labrus miles* Bloch & Schneider, by original designation, proposed as a subgenus).

Genus revised by Russell (1988) and Mabuchi and Nakabo (1997); 11 species. South Pacific, except two species from Japan, Korea, Taiwan and coast of China.

***Pseudolabrus biserialis* (Klunzinger)**

Labrichthys biserialis Klunzinger, 1880: 402 (King George Sound, Western Australia).

DISTRIBUTION: southwestern Australia.

***Pseudolabrus eoethinus* (Richardson)**

Labrus eoethinus Richardson, 1846b: 255 (Canton, China).

Labrus rubiginosus, in part, Temminck & Schlegel, 1845: 165, pl. 86, fig. 1 (Japan; preoccupied by *Labrus rubiginosus* Risso, 1827 [= *Symphodus* sp.]).

DISTRIBUTION: Japan, Ogasawara Archipelago, and Korea to Hong Kong.

***Pseudolabrus fuentesi* (Regan)**

Labrichthys fuentesi Regan, 1913: 371, pl. 58, fig. 2 (Easter Id).

DISTRIBUTION: Easter Id to Austral Ids.

***Pseudolabrus gayi* (Valenciennes)**

Labrus gayi Val., 1839: 97 (Juan Fernández Ids).

DISTRIBUTION: Juan Fernandez Id and San Felix Id.

***Pseudolabrus guentheri* Bleeker**

Pseudolabrus guentheri Bleeker, 1862: 131 (Australia).

Labrichthys australis Steindachner, 1866a: 476 (South Pacific).

Pseudolabrus richardsonii Steindachner, 1867b: 332 (Port Jackson, New South Wales, Australia).

Labrichthys dorsalis Macleay, 1881: 87 (Sydney).

Labrichthys melanura Macleay, 1881: 89 (Sydney).

Labrichthys dux De Vis, 1883: 287 (Queensland).

Labrichthys cruentatus De Vis, 1885: 879 (Queensland).

Labrichthys maculatus De Vis, 1885: 881 (Moreton Bay, Queensland; preoccupied by *Labrichthys maculata* Macleay 1881 [= *Austrolabrus maculatus*]).

Labrichthys rex De Vis, 1885: 880 (Queensland).

Labrichthys sexlineatus De Vis, 1885: 880 (Queensland).

DISTRIBUTION: east coast of Australia.

REMARKS: Günther (1862: 507) included the description of *Labrichthys guentheri* Bleeker from Bleeker's manuscript proofsheets.

***Pseudolabrus luculentus* (Richardson)**

Labrus luculentus Richardson, 1848: 130 (Norfolk Id).

DISTRIBUTION: New South Wales, Lord Howe Id, Kermadec Ids, Norfolk Id, and New Zealand.

***Pseudolabrus miles* (Forster)**

Labrus miles Forster in Bloch & Schneider, 1801: 264 (New Zealand).

Julis ?rubecula Richardson (ex Solander), 1843c: 423 (Queen Charlotte Sound, New Zealand).

Julis ?rubiginosus Richardson (ex Solander and Parkinson), 1843c: 425 (New Zealand).

Labrichthys roseipunctata Hutton, 1880: 455 (Dunedin, New Zealand).

Pseudolabrus cossyphoides Steindachner, 1900: 176 (New Zealand).

DISTRIBUTION: New Zealand.

***Pseudolabrus rubicundus* (Macleay)**

Labrus psittaculus Richardson 1840: 26 (Port Arthur, Tasmania; preoccupied by *Labrus psittaculus* Lacepède, 1801 [= *Halichoeres bivittatus* (Bloch)]).

Labrichthys rubicunda Macleay, 1881: 89 (King George Sound, Western Australia).

Labrichthys mortonii Johnston, 1885b: lxxxiv, xciv, 256 (mouth of Derwent River, Tasmania).

DISTRIBUTION: southeastern Australia.

***Pseudolabrus semifasciatus* (Rendahl)**

Labrichthys semifasciatus Rendahl, 1921: 65 (Easter Id).

DISTRIBUTION: Easter Id.

***Pseudolabrus sieboldi* Mabuchi & Nakabo**

Labrus rubiginosus Richardson, 1846: 255 (Japan; preoccupied by *Labrus rubiginosus* Risso, 1827 [= *Symphodus* sp.] and secondarily preoccupied by *Julis ?rubiginosus* Richardson, 1843 [= *Pseudolabrus miles*]).

(Fortser)]).

Labrus rubiginosus (in part) Temminck & Schlegel, 1846: 165 (Japan; preoccupied by *Labrus rubiginosus* Risso, 1827 and *Labrus rubiginosus* Richardson, 1846).

Pseudolabrus sieboldi Mabuchi & Nakabo, 1997: 323 (Morode Beach, Ehime Pref., Japan).

DISTRIBUTION: southern Japan and Taiwan.

REMARKS: Mabuchi and Nakabo (1997) regarded *Labrus japonicus* Houttuyn, 1782 as a *nomen dubium* and proposed the new name *P. sieboldi* for the Japanese species most authors have identified as *P. japonicus* (Houttuyn).

Pseudolabrus torotai Russell & Randall

Pseudolabrus torotai Russell & Randall, 1981: 437, fig. 4 (Rapa Id, South Pacific).

DISTRIBUTION: Rapa.

Genus *Pteragogus* Peters

Pteragogus Peters, 1855: 451 (type-species, *Cossyphus opercularis* Peters, by monotypy).

Duymaeria Bleeker, 1856a: 52 (type-species, *Duymaeria amboinensis* Bleeker, by subsequent designation).

Labrastrum Guichenot, 1860: 153 (type-species, *Ctenolabrus flagellifer* Valenciennes, by original designation).

Eight species (one undescribed). Indo-West Pacific.

Pteragogus aurigarius (Richardson)

Ctenolabrus aurigarius Richardson, 1845: 90, pl. 45, figs. 1-2 (China seas near Canton).

Ctenolabrus rubellio Richardson, 1845: 93, pl. 45, fig. 3 (China seas near Canton).

Crenilabrus spilogaster Bleeker, 1854d: 416 (Nagasaki).

Duymaeria japonica Bleeker, 1856a: 53 (Nagasaki).

DISTRIBUTION: Japan and Taiwan.

Pteragogus cryptus Randall

Pteragogus cryptus Randall, 1981b: 83 (Eilat, Israel, Gulf of Aqaba).

DISTRIBUTION: Indo-Pacific, Red Sea to Samoa.

Pteragogus enneacanthus (Bleeker)

Crenilabrus enneacanthus Bleeker, 1853a: 120 (Ambon).

Duymaeria amboinensis Bleeker, 1856a: 54 (Ambon Id).

DISTRIBUTION: East Indies.

Pteragogus flagellifer (Valenciennes)

Labrus ramentosus Forsskål, 1775: 34 (Yemen, Red Sea).

Ctenolabrus flagellifer Val., 1839: 240 (no locality).

Crenilabrus nematopterus Bleeker, 1851b: 250 (Banda

Neira, Banda Ids, Indonesia).

Cossyphus filamentosus Peters, 1855: 435 (Mozambique).

Duymaeria caeruleomaculata Günther, 1862: 122 (Aneityum [Aneiteum] Id, Vanuatu [New Hebrides]).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa and western Pacific.

REMARKS: synonymy from Smith (1957a). Parenti & Randall (1998) proposed that the little-used name *Labrus ramentosus* Forsskål be suppressed.

Pteragogus guttatus (Fowler & Bean)

Duymaeria guttata Fowler & Bean, 1928: 218 (Samar Id, Philippines).

DISTRIBUTION: Philippines, Indonesia and Palau.

Pteragogus pelycus Randall

Cossyphus opercularis Peters, 1855: 451 (Mozambique; preoccupied by *Cossyphus opercularis* Guichenot, 1847 [= *Bodianus opercularis* (Guichenot)]).

Pteragogus pelycus Randall, 1981b: 82, pl. 1, figs. 1-2 *nomen novum* for *Cossyphus opercularis* Peters.

DISTRIBUTION: Western Indian Ocean, Red Sea to South Africa, Madagascar, Mauritius, and Seychelles; also eastern Mediterranean from Israel (Golani & Sonin) to Rhodes Id, Greece (Corsini & Economidis, 1999).

Pteragogus taeniops (Peters)

Cossyphus taeniops Peters, 1855: 453 (Mozambique).

DISTRIBUTION: southern Mozambique to Zanzibar.

Pteragogus sp 1

DISTRIBUTION: presently known only from Ogasawara Ids (Randall et al., 1997).

Genus *Semicossyphus* Günther

Semicossyphus Günther, 1861: 384 (type-species, *Cossyphus reticulatus* Valenciennes, by subsequent designation).

Pimelometopon Gill, 1864: 58 (type-species, *Labrus pulcher* Ayres, by original designation).

Three species; Japan and eastern Pacific. Gomon (1997) considered *Pimelometopon* as a synonym, but according to Maurizio Protti (who is currently reviewing the labroids of Chile) it is a valid genus.

Semicossyphus darwini (Jenyns)

Cossyphus darwini Jenyns, 1842: 100, pl. 20 (Galápagos). *Labrus aper* Valenciennes, 1846: pl. 8, fig. 1 (Galápagos Ids; preoccupied by *Labrus aper* Retzius, 1800 [= *Labrus bergylta* Ascanius]; description published later [Valenciennes, 1855: 338]).

Trochocopus canis Philippi, 1887: 570 [38], pl. 7, fig. 3

(Iquique, Valparaíso, Chile).

Dentex maculatus Perez Canto, 1886: 12 (Valparaíso).

DISTRIBUTION: Ecuador to Chile, including Galápagos Ids.

REMARKS: synonymy from M. Protti (pers. comm.).

***Semicossyphus pulcher* (Ayres)**

Labrus pulcher Ayres, 1854: 174 (San Diego, California).

DISTRIBUTION: California to Gulf of California.

***Semicossyphus reticulatus* (Valenciennes)**

Cossyphus reticulatus Val., 1839: 139 (Japan).

Semicossyphus robecchii Steindachner & Bellotti in Steindachner & Döderlein, 1887: 271 (Yokohama).

DISTRIBUTION: Japan, Korea and China.

Genus *Stethojulis* Günther

Stethojulis Günther, 1862: 386 (type-species, *Julis strigiventer* Bennett, by subsequent designation).

Hinalea Jordan & Jordan, 1922: 69 (type-species *Julis axillaris* Quoy & Gaimard, by original designation).

Rhytejulis Fowler & Bean, 1928: 232, 241 (type-species, *Labrus trilineatus* Bloch & Schneider, by original designation).

Genus revision by Randall (2000); 10 species. Red Sea to eastern Pacific.

***Stethojulis albovittata* (Bonnaterre)**

Labrus albovittatus Bonnaterre, 1788: 108, pl. 98 (no locality).

Labrus koelreuteri Walbaum, 1792: 262 (no locality).

DISTRIBUTION: Red Sea and western Indian Ocean.

***Stethojulis balteata* (Quoy & Gaimard)**

Julis balteatus Quoy & Gaimard, 1824: 267, pl. 56, fig. 1 (Maui, Hawaiian Ids).

Julis axillaris Quoy & Gaimard, 1824: 272 (Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

***Stethojulis bandanensis* (Bleeker)**

Julis (Halichoeres) bandanensis Bleeker, 1851b: 254 (Banda Neira, Banda Ids, Indonesia).

?*Julis sukl* Montrouzier, 1857: 473 (Woodlark Id)

Stethojulis fulvoventris Seale, 1901a: 92 (Guam).

Stethojulis rubromacula Scott, 1959: 87, fig. 7 (Shark Bay, Western Australia).

Stethojulis linearis Schultz in Schultz et al., 1960: 214, pl. 107, fig. E (Enyu Id, Bikini Atoll, Marshall Ids).

DISTRIBUTION: western Pacific to islands of the tropical eastern Pacific.

***Stethojulis interrupta* (Bleeker)**

Labrus chlorocephalus Bloch & Schneider 1801: 254 (India).

Julis (Halichoeres) interruptus Bleeker, 1851b: 252 (Banda Neira, Banda Ids, Indonesia).

Julis (Halichoeres) kalosoma Bleeker, 1852c: 289 (Ambon Id, Moluccas Ids, Indonesia).

Stethojulis kallosoma Bleeker, 1862b: 290 (unjustified emendation of *Julis (Halichoeres) kalosoma* Bleeker).

Stethojulis zatima Jordan & Seale, 1905: 788, fig. 9 (Negros, Philippines).

DISTRIBUTION: Indo-West Pacific from South Africa to the Philippines, Indonesia and eastern Australia.

REMARKS: the holotype of *Labrus chlorocephalus* (ZMB 2619, 54 mm SL) was examined by H.-J. Paepke with a key to species of *Stethojulis* by Randall and Kay (1974), and he concluded that it is *Stethojulis interrupta*. Randall and Parenti (1999) proposed the rejection of the name *Labrus chlorocephalus* in order to conserve the well known *Stethojulis interrupta*.

***Stethojulis maculata* Schmidt**

Stethojulis maculatus Schmidt, 1931: 81, pl. 5, fig. 1 (Kominato, Amami-Oshimo Id, Ryukyu Ids, Japan).

DISTRIBUTION: anti-equatorial; Ryukyu Ids, Fiji, Norfolk Id.

***Stethojulis marquesensis* Randall, 2000**

Stethojulis marquesensis Randall, 2000: 20, fig. 5, pls III C, D (Uaa Huka, Marquesas Ids).

DISTRIBUTION: Marquesas Islands.

***Stethojulis notialis* Randall**

Stethojulis notialis Randall, 2000: 22, fig. 7, pls IC, D (Nukulau Id, Fiji Ids).

DISTRIBUTION: Fiji Islands, New Caledonia, Norfolk Id.

***Stethojulis strigiventer* (Bennett)**

Julis strigiventer Bennett, 1832c: 184 (Mauritius).

Julis (Halichoeres) renardi Bleeker, 1851b: 253 (Banda Neira, Banda Ids, Indonesia).

Stethojulis psacas Jordan & Snyder, 1902: 629, fig. 5 (Naha, Okinawa Id, Ryukyu Ids, Japan).

DISTRIBUTION: South Africa to western Pacific and Samoa.

***Stethojulis terina* Jordan & Snyder**

Stethojulis terina Jordan & Snyder, 1902: 631, fig. 6 (Misaki, Kanagawa Pref., Sagami Sea, Japan).

Stethojulis trossula Jordan & Snyder, 1902: 633, fig. 7 (Misaki, Kanagawa Pref., Sagami Sea, Japan).

DISTRIBUTION: Honshu, Japan to Taiwan and Hainan

***Stethojulis trilineata* (Bloch & Schneider)**

- Labrus trilineatus* Bloch & Schneider, 1801: 253 (India).
Julis sebanus Val., 1839: 474 (no locality).
Julis (Halichoeres) phekadopleura Bleeker, 1849b: 8
(Boleling, northern Bali, Indonesia).
Julis (Halichoeres) casturi Bleeker, 1852g: 768 (Ujung
Pandang, Celebes, Indonesia).
Julis sukl Montrouzier, 1857: 473 (Woodlark Id).
Halichoeres sebae Kner, 1860: 12, pl. 1, fig. 9 (no
locality).
Stethojulis casturi Günther, 1881: 255 (Oceania: Palau,
Yap, and Futuna).
Stethojulis phekadopleura Martens, 1876: 397 (Ambon,
Moluccas Ids, Indonesia).
Stethojulis filholi Sauvage, 1880: 225 (Fiji Ids).

DISTRIBUTION: Maldives, to western Pacific and Samoa.

Genus *Suezichthys* Smith

- Suezia* Smith, 1957a: 100, 106 (type-species, *Labrichthys
caudovittatus* Steindachner, by original designation,
preoccupied in Crustacea).
Suezichthys Smith, 1958: 319 (replacement name for
Suezia Smith, 1957).

Genus revised by Russell (1985); 10 species, and one
undescribed species. Indo-Pacific.

***Suezichthys arquatus* Russell**

- Suezichthys arquatus* Russell, 1985: 15, pl. 3, figs A-B);
Figs. 1, 6c, 7b (Poor Knights Id, New Zealand).

DISTRIBUTION: New Zealand, New Caledonia, eastern
Australia, Lord Howe Id, and Norfolk Id; also recorded
from Honshu, Japan (Araga et al., 1988) and
Ogasawara Ids (Randall et al. (1997).

***Suezichthys aylingi* Russell**

- Suezichthys aylingi* Russell, 1985: 5, pl. 1, figs A-B (Poor
Knights Id, New Zealand).

DISTRIBUTION: New Zealand and southeastern Australia.

***Suezichthys bifurcatus* Russell**

- Suezichthys bifurcatus* Russell, 1986: 59, figs. 1-2 (Great
Australian Bight, 34°20'-34°21'S, 123°42'-123°43'E).

DISTRIBUTION: western Australia.

***Suezichthys caudavittatus* (Steindachner)**

- Labrichthys caudavittatus* Steindachner, 1898a: 199 (Suez,
Red Sea).
Labrichthys caudovittatus Steindachner, 1898b: 783, pl. 1
(further description and illustration).

DISTRIBUTION: Red Sea, Somalia, and Persian Gulf.

REMARKS: Spelt *caudovittatus* by Dor (1984: 208) and
Russell (1985: 10).

***Suezichthys cyanolaemus* Russell**

- Suezichthys cyanolaemus* Russell, 1985: 13, pl. 2, figs. C-
D; fig. 7a (Rottneest Id, Western Australia).

DISTRIBUTION: southwestern Australia.

***Suezichthys devisi* (Whitley)**

- Guntheria devisi* Whitley, 1941: 36, fig. 24 (Queensland).

DISTRIBUTION: eastern Australia.

REMARKS: Russell (1985) regarded this species as a
synonym of *S. gracilis*, but it is now considered valid
(R.H. Kuitert, 1993 and B.C. Russell, pers. comm.).

***Suezichthys gracilis* (Steindachner & Döderlein)**

- Labrichthys gracilis* Steindachner & Döderlein, 1887: 273
(Tokyo, Japan).

DISTRIBUTION: Persian Gulf, Viet Nam, Taiwan, Japan,
and Korea.

***Suezichthys notatus* (Kamohara)**

- Pseudolabrus notatus* Kamohara, 1958: 8, pl. 3, fig. 2
(Okinoshima, Kochi Pref., Japan).
Suezichthys tripunctatus, in part, Randall & Kotthaus,
1977: 34 (Oahu Id, Hawaiian Ids).

DISTRIBUTION: Japan, Australia, Hawaiian Ids.

***Suezichthys russelli* Randall**

- Suezichthys russelli* Randall, 1981: 90, pl. 2, fig. 5 (Ras
Abu-Galum, Sinai Peninsula, Gulf of Aqaba, Red Sea).
Suezichthys tripunctatus, in part, Randall & Kotthaus,
1977: 34 (Indian Ocean paratypes).

DISTRIBUTION: Red Sea to Kenya.

***Suezichthys soelae* Russell**

- Suezichthys soelae* Russell, 1985: 9, pl. 2, figs. A-B
(Northwest Shelf [20°29.4'S, 116°10.0'E], Australia).

DISTRIBUTION: northwestern Australia, Okinawa and
Ogasawara Ids (Randall et al., 1997).

***Suezichthys* sp 1**

DISTRIBUTION: southwestern Australia.

REMARKS: species currently under study by J.B. Hutchins.

Genus *Symphodus* Rafinesque

- Symphodus* Rafinesque, 1810a: 41 (type-species, *S.
fulvescens* Rafinesque, by subsequent designation).

Corycus Cuvier, 1814: 89 (type-species, *Lutjanus rostratus* Bloch, by subsequent designation; spelt *Coricus* in Cuvier, 1816: 263)

Crenilabrus Oken (ex Cuvier), 1817: 1182a (type-species, *Labrus lapina* Forsskål, by subsequent designation).

Ten species (Bauchot & Quignard, 1973; Gomon & Forsyth, 1990). Eastern Atlantic, Mediterranean, and Black Sea.

Symphodus bailloni (Valenciennes)

?*Labrus pirca* Walbaum 1792: 265 (no locality [Adriatic Sea]).

Crenilabrus donovani Val., 1839: 39 (Brittany).

Crenilabrus bailloni Val., 1839: 191 (La Manche, France).

DISTRIBUTION: Eastern Atlantic from North Sea to Mauritania, and western Mediterranean.

REMARKS: *Labrus pirca* Walbaum was based on a fish described but not named by Brünnich (1768: 97). Bloch & Schneider (1801: 256) reported *Labrus pirca* from the Adriatic Sea. Tortonese (1970) suggested that *Labrus pirca* may represent an older name for *Symphodus bailloni* (Valenciennes); the combination *Symphodus pirca* was also used by Jordan (1890).

Symphodus cinereus (Bonnatere)

Labrus cinereus Bonnatere, 1788: 118 (Mediterranean).

Labrus griseus Gmelin, 1789: 1296 (Mediterranean).

Labrus rubellio Walbaum 1792: 264 (no locality).

Lutjanus cornubicus Risso, 1810: 267 (Nice, France).

Lutjanus massa Risso, 1810: 274, pl. 8, fig. 26 (Nice).

Lutjanus cotta Risso, 1810: 282 (Nice, France).

?*Labrus fucii* Rafinesque, 1810a: 38 (Sicily, Italy).

Labrus fuscus Pallas, 1814: 266 (Crimea, Ukraine; preoccupied by *Labrus fuscus* Gmelin, 1789 [= *S. mediterraneus* (Linnaeus)], *Labrus fuscus* Walbaum, 1792 [= *S. mediterraneus*] and *Labrus fuscus* Lacepède, 1801 [= *Thalassoma trilobatum* (Lacepède)]).

Labrus fraenatus Pallas 1814: 270 (ad littore Taurica [coast of Ukraine]).

?*Labrus simus* Pallas 1814: 271 (Tauriae [Ukraine]).

?*Labrus donzella* Nardo, 1824: 254 (Adriatic Sea; preoccupied by *Labrus donzella* Rafinesque, 1810a [= *Thalassoma pavo* (Linnaeus)]).

?*Lutjanus core* Nardo, 1827: 30 (Adriatic Sea; *nomen novum* for *Labrus donzella* Nardo).

Crenilabrus fraenatus Bennett, 1835: 91 (Black Sea).

Crenilabrus staitii Nordmann, 1840: 452, pl. 18, fig. 2 (Odessa, Ukraine).

Crenilabrus pusillus Nordmann, 1840: 454, pl. 18, fig. 2 (Lustdorff, Odessa, Ukraine).

DISTRIBUTION: eastern Atlantic from bassin d'Arcachon to Gibraltar; Mediterranean; the subspecies *S. cinereus staitii* is found also in the Black Sea.

REMARKS: *Labrus griseus* Gmelin and *Labrus rubellio* Walbaum are based on *Labrus n.* 75 of Brünnich (1768: 58). Bonaparte's (1846) listing of *Labrus simus* as a synonym was questioned by Günther (1862).

Labrus donzella Nardo (described independently of Rafinesque) is a probable synonym of *Symphodus cinereus*. *Lutjanus core* is a replacement name listed afterward as *Crenilabrus core* Nardo (1860).

Symphodus doderleini Jordan

Crenilabrus tinca Val., 1837: 199 (Mediterranean Sea; based on *Labrus tinca* (non Linnaeus): Brünnich, 1768: 55; secondarily preoccupied in *Symphodus* by *Labrus tinca* Linnaeus).

Symphodus doderleini Jordan, 1890: 618 (probably near Marseille, France).

DISTRIBUTION: Mediterranean, Bosphorus, Marmara Sea.

Symphodus mediterraneus (Linnaeus)

Perca mediterranea Linnaeus, 1758: 291 [Mediterranean].
Labrus coeruleovittatus Bonnatere, 1788: 117 (Mediterranean).

Labrus serpentinus Bonnatere, 1788: 117 (Mediterranean).

Labrus fuscus Gmelin 1789: 1295 (Mediterranean).

Labrus unimaculatus Gmelin, 1789: 1295 (Mediterranean).

Lutjanus bidens Bloch, 1790: 123, pl. 251, fig. 1 (no locality).

Labrus erithrophthalmus Walbaum 1792: 263 (no locality; based on *Labrus* no. 73 Brünnich (1768: 57) and *Labrus unimaculatus* Gmelin).

Labrus fuscus Walbaum 1792: 263 (no locality; based on *Labrus* no. 72 Brünnich (1768: 56); preoccupied by *Labrus fuscus* Gmelin, 1789).

Labrus mediterraneus Bloch & Schneider (ex Brunnich) 1801: 255 (Mediterranean Sea).

Lutjanus brunnichii Lacepède, 1802: 184, 222 (Mediterranean Sea).

Lutjanus massiliensis Lacepède, 1802: 184, 222 (Mediterranean Sea).

Labrus pittima Rafinesque, 1810a: 36 (Sicily, Italy).

Lutjanus chlorosochrus Risso, 1810: 275, pl. 8, fig. 27 (Nice, France).

Labrus bidens Nardo, 1824b: 253 (Adriatic Sea).

Crenilabrus nigrescens Risso, 1827: 263 (Nice, France).

Crenilabrus boryanus Risso, 1827: 320 (Nice, France).

Crenilabrus pictus Lowe, 1838: 186 (Madeira).

DISTRIBUTION: Mediterranean and Marmara Sea; eastern Atlantic from Portugal to Morocco, Madeira, and Azores.

REMARKS: The holotype of *Lutjanus chlorosochrus* is lost (Bauchot, 1963); based on Risso's original description, the first author concluded that it is *Symphodus mediterraneus*. Nardo (1824) added "*nobis*" to the name *Labrus bidens* and doubted that his species was the same as *Lutjanus bidens* Bloch.

Symphodus melanocercus (Risso)

Lutjanus melanocercus Risso, 1810: 283 (Saint Hospice, near Villefranche, France, Mediterranean).

Crenilabrus caeruleus Risso, 1827: 316, pl. 10, fig. 25 (probably Mediterranean).

Crenilabrus cyanospilatus Cocco, 1840: 242 (Sicily, Italy).
Crenilabrus melanoxanthurus Cocco, 1840: 243 (Sicily).

DISTRIBUTION: Mediterranean and Marmara Sea.

REMARKS: Facciola (1916) synonymized *Crenilabrus cyanospilatus* and *C. melanoxanthurus* with *S. melanocercus*.

Symphodus melops (Linnaeus)

Labrus melops Linnaeus, 1758: 286 (southern Europe).
Labrus rone Ascanius, 1772: 6, pl. 14 (Norway).
Labrus gibbosus Bonnaterre, 1788: 112, pl. 99, fig. 403 (Seas of Great Britain).
Labrus goldsinny Bonnaterre, 1788: 112, pl. 99, fig. 404 (Seas of Great Britain).
Labrus gibbus Gmelin, 1789: 1295 (Great Britain).
? *Labrus cornubius* Gmelin, 1789: 1297 (England).
Lutjanus norvegicus Bloch, 1791: 11, pl. 256 (Norway).
Labrus tessellatus Bloch, 1792: 8, pl. 291, fig. 1 (Norway).
Perca maculosa Retzius, 1800: 337 (Sweden).
Labrus ascanii Shaw, 1803: 512 (Northern Seas; *nomen novum* for *Labrus rone* Ascanius 1771).
Crenilabrus couchii Val., 1839: 178 (no locality).
Crenilabrus pennantii Val., 1839: 178 (no locality).
Crenilabrus locaninus Gulia, 1861: 16 (Malta).

DISTRIBUTION: western Mediterranean and Adriatic Sea, northeastern Atlantic from Norway to Morocco.

REMARKS: The text for *Lutjanus norvegicus* Bloch, 1791 refers to pl. 256 in which the name *Lutianus norve* is used. This species was spelled *norvegicus* in Bloch's *Ichthyologie* (1797: 9) and Lacepède (1802: 233). Günther (1862) listed *Perca maculosa* as a synonym. *Crenilabrus locaninus* Gulia is a new synonym.

Symphodus ocellatus (Forsskål)

? *Labrus ocellaris* Linnaeus 1758: 285 (no locality).
Labrus ocellatus Forsskål, 1775: 37 (Smyrne, Turkey).
Labrus olivaceus Bonnaterre, 1788: 117 (Mediterranean).
Labrus reticulatus Bonnaterre, 1788: 117 (Mediterranean).
Labrus guttatus Bonnaterre 1788: 118 (Mediterranean).
Labrus guttatus Gmelin, 1789: 1296 (no locality; preoccupied by *Labrus guttatus* Bonnaterre 1788).
Labrus venosus Gmelin, 1789: 1296 (Mediterranean Sea).
Labrus olivaceus Walbaum 1792: 263 (no locality; preoccupied by *Labrus olivaceus* Bonnaterre, 1788).
Labrus venosus Walbaum, 1792: 264 (no locality; preoccupied by *Labrus venosus* Gmelin, 1789).
Labrus guttatus Walbaum 1792: 265 (no locality; preoccupied by *Labrus guttatus* Bonnaterre 1788, *Labrus guttatus* Gmelin 1789 and *Labrus guttatus* Bloch 1791 [= *Halichoeres argus* (Bloch & Schneider)]).
Labrus rubens Bloch & Schneider (ex Brunnich) 1801: 256 (Mediterranean Sea).
Labrus mendovella Rafinesque 1810b: 23, 54 (Sicily).
? *Lutianus ruber* Rafinesque, 1810b: 63 (Sicily).
? *Lutianus flavus* Rafinesque, 1814: 18 (Mediterranean).
Labrus perspicillatus Pallas, 1814: 267 ("Mari Tauricam Chersonesum circumfluente" [Crimea, Ukraine]).
Labrus dubbius Nardo, 1824a: 255 (Adriatic Sea).

Lutianus eques Nardo, 1827: 30 (Adriatic Sea; *nomen novum* for *Labrus dubbius* Nardo).

Crenilabrus littoralis Risso, 1827: 322 (Nice).
Crenilabrus rissoi Val., 1839: 197 (Naples, Palermo, Sicily, Italy).
Crenilabrus morelli Nordmann, 1840: 459, pl. 18, fig. 5 (Sevastopol and Yalta, Crimea, Ukraine).
Crenilabrus argenteostriatus Nordmann, 1840: 461, pl. 18, fig. 4 (Sevastopol, Crimea, Ukraine).
? *Scarus maculatus* Gronow in Gray, 1854: 63 (no locality).
Crenilabrus dubius Gulia, 1861: 13 (Malta).
Crenilabrus schemberianus Gulia, 1861: 13 (Malta).
Crenilabrus zeraphinus Gulia, 1861: 13 (Malta).
? *Crenilabrus aurantiacus* Cocco in Facciola, 1885: 231 (Messina, Sicily, Italy).
Crenilabrus bertini Pras, 1961: 12 (southwest of Les Salins d'Hyères, Mediterranean coast of France).

DISTRIBUTION: Mediterranean, Black Sea and Sea of Azov.

REMARKS: *Labrus ocellaris* Linnaeus probably represents the current *Symphodus ocellatus* (Forsskål); as reported by Valenciennes (1839), the status remains doubtful due to the inadequate description. *Crenilabrus aurantiacus* Cocco was reported as a synonym by Facciola (1916) but it is regarded as unidentifiable by di Caporiacco (1921). *Labrus reticulatus* Bonnaterre, *Labrus venosus* Gmelin, and *Labrus venosus* Walbaum are all based on *Labrus* n. 74 (Brünnich, 1768: 58). *Labrus rubens* Bloch & Schneider is based on *Labrus* n. 71 (Brünnich, 1768: 56) already described by Bonnaterre as *Labrus olivaceus*. *Labrus olivaceus* Walbaum and *Labrus guttatus* Walbaum are based on *Labrus* n. 71 and n. 76 (Brünnich, 1768: 56 & 59), respectively. *Labrus mendovella* Rafinesque is a synonym as proposed by Cocco (Facciola, 1885). *Lutianus flavus* Rafinesque is a probable synonym. *Scarus maculatus* Gronow is based in part on *Labrus ocellaris* Linnaeus; Ninni (1912) placed the species *Labrus dubbius* Nardo (spelled *dubius* in Nardo 1824b) into synonymy with *Symphodus rostratus*. However, Nardo (1824a) includes in his description typical features of *ocellatus*, such as the presence of a large red-ringed blue spot on the opercle and another small dark spot at the caudal fin base. *Lutianus eques*, a new name for *Labrus dubbius*, was thereafter spelled *Coricus aequus* (Nardo, 1860). *Crenilabrus dubius*, *Crenilabrus schemberianus* and *Crenilabrus zeraphinus* are new synonyms.

Symphodus roissali (Risso)

Lutjanus roissali Risso, 1810: 276, pl. 8, fig. 28 (Nice).
Lutjanus alberti Risso, 1810: 277 (Nice).
Labrus oculusperdix Rafinesque 1810a: 239 (Sicily).
Labrus aeruginosus Pallas, 1814: 264 ("Meridionali Tauriae" [Crimea, Ukraine]).
Labrus capistratus Pallas, 1814: 269 ("Sinu Theodosiano" [Crimea, Ukraine]).
Crenilabrus tigrinus Risso, 1827: 317, pl. 10, fig. 26 (Nice).
Crenilabrus quinque maculatus Risso, 1827: 324, pl. 10, fig. 23 (Nice).
Crenilabrus arcuatus Risso, 1827: 328, pl. 16 (Nice).

DISTRIBUTION: Mediterranean, Black Sea, Atlantic coast of Spain.

Symphodus rostratus (Bloch)

- ?*Labrus scina* Forsskål, 1775: 36 (Istanbul, Turkey).
Lutjanus rostratus Bloch, 1791: 7, pl. 254, fig. 2 (no locality).
Lutjanus virescens Bloch, 1791: 5, pl. 254, fig. 1 (no locality).
Symphodus fulvescens Rafinesque, 1810a: 41 (Sicily).
? *Labrus macrostomus* Rafinesque 1810a: 36 (Sicily).
? *Labrus pitimoides* Rafinesque 1810a: 36 (Sicily).
? *Labrus verdolidus* Rafinesque, 1810a: 36 (Sicily).
Lutjanus rubescens Risso, 1810: 271 (Nice).
Lutjanus lamarckii Risso, 1810: 281, pl. 9, fig. 29 (Nice).
Labrus acatirostreus Nardo, 1824a: 254 (Adriatic Sea).
Coricus brama Nordmann, 1840: 464, pl. 20, fig. 1 (Ukraine).

DISTRIBUTION: Mediterranean and Black Sea.

REMARKS: Jordan (1890: 623) used *Symphodus scina* as the valid name for this species. This decision was followed by some authors (Dieuzeide & Novella, 1955: 95; Svetovidov, 1964: 331) and used in popular guides (e.g. Costa, 1991: 340). Tortonese (1970) wrote "...the name applied by Forsskål cannot be maintained because the author indicated the lateral line as interrupted...". *Labrus macrostomus*, *Labrus pitimoides* and *Labrus verdolidus* are synonyms according to Bonaparte (1846) and Cocco (Facciola, 1885). *Labrus acatirostreus* is perhaps a misspelling for "*acutirostreus*"; however, Nardo (1824a) spelt *acatirostreus* three times in Latinized form and again in a later publication (Nardo, 1824b). The name was later changed to *Lutjanus acutirostreus* (Nardo, 1827: 30), and it is here recognized as a new synonym of *rostratus*.

Symphodus tinca (Linnaeus)

- Labrus tinca* Linnaeus, 1758: 285 (British Seas)
Labrus lapina Forsskål, 1775: 36 (Istanbul, Turkey).
Lutjanus linkii Bloch, 1790: 127, pl. 252 (no locality; spelt *linckii* on plate).
Labrus violaceus Bloch & Schneider, 1801: 248 (*nomen novum* for *Lutjanus linkii* Bloch, 1790).
? *Labrus flavescens* Bloch & Schneider 1801: 260 (no locality).
Labrus tancoides Lacepède, 1801: 439 (British rivers).
Lutjanus geofroyius Risso, 1810: 261, pl. 8, fig. 25 (Nice).
? *Labrus caliophthalmus* Rafinesque 1810a: 37 (Sicily).
? *Labrus chrysostoma* Rafinesque 1810a: 37 (Sicily).
? *Labrus lappanoides* Rafinesque 1810a: 39 (Sicily).
? *Labrus lappanus* Rafinesque 1810a: 39 (Sicily).
? *Labrus chlorophthalmus* Rafinesque 1810a: 40 (Sicily).
? *Labrus marmoratus* Rafinesque 1810a: 41 (Sicily; preoccupied by *Labrus marmoratus* Lacepède, 1801 in Cirrhitidae).
Labrus polychrous Pallas, 1814: 262 ("Ponto").
Labrus niger Nardo 1824b: 253 (Adriatic Sea).
Labrus sanguineus Nardo 1824b: 254 (Adriatic Sea).
Crenilabrus geoffroyi Risso, 1827: 314 (Nice).

Crenilabrus propinquus Gulia, 1861: 17 (Malta).

DISTRIBUTION: Mediterranean, northeastern Atlantic from Spain to Morocco.

REMARKS: *Labrus chlorophthalmus*, *Labrus chrysostoma* and *Labrus lappanoides* are probable synonyms (Cocco in Facciola, 1885). Most of the labrid species descriptions by Rafinesque are inadequate, consequently they were not included in the checklist of north-eastern and Atlantic and the Mediterranean (Bauchot, pers. comm.). In the *Histoire Naturelle des Poissons* de Cuvier et Valenciennes, Valenciennes (1839) cites Rafinesque only two times. At page 188 he wrote: "...Je ne fais mention de cet auteur (Rafinesque) que pour avertir le lecteur qu'il m'a été impossible de reconnaître la plupart des espèces mentionnées dans son ouvrage". *Crenilabrus propinquus* Gulia is a variant of *Lutjanus geofroyius* Risso. Nardo (1827) placed *sanguineus* and *niger* as synonyms of *Labrus pavo* Brünnich (*nec* Linnaeus), 1768. The name *Labrus pavo* was often used in the literature for the fish known as *Labrus tinca*; Valenciennes (Cuvier and Valenciennes, 1839: 149) in redescribing this species as *Crenilabrus pavo nob.* commented (page 154) "Il me semble donc que l'on pourrait regarder le *labrus tinca* comme étant en quelque sorte, par la pensée d'Arledi, le nom qui doit être attribué à l'espèce décrite dans ce chapitre". Bonaparte (1846) emended *Crenilabrus geoffroyi* to *Crenilabrus geoffroyi*.

Genus *Tautoga* Mitchill

- Tautoga* Mitchill, 1814: 23 (type-species, *Tautoga niger* Mitchill, by subsequent designation).
Hiatula Lacepède, 1800: 522 (type-species, *Hiatula gardeniana* Lacepède, by monotypy, preoccupied by *Hiatula* Modeer 1792 in Mollusca, not replaced).

One species (Jordan et al., 1930).

Tautoga onitis (Linnaeus)

- Labrus onitis* Linnaeus, 1758: 286 (no locality).
Labrus hiatula Linnaeus, 1766: 475 (Carolina, U.S.A.).
Labrus carolinus Bonnaterre, 1788: 113 (Carolina).
Labrus subfuscus Walbaum, 1792: 254 (North America).
Hiatula gardeniana Lacepède, 1800: 522, 523 (Carolina).
Labrus americanus Bloch & Schneider, 1801: 261 (New York).
Tautoga niger Mitchill, 1814: 23 (New York).
Tautoga niger var. *alius* Mitchill, 1814: 24 (New York).
Tautoga niger var. *fuscus* Mitchill, 1814: 24 (New York).
Tautoga niger var. *rubens* Mitchill, 1814: 24 (New York).
Labrus tautoga Mitchill, 1815: 399, pl. 1, fig. 1 (unnecessary replacement for *Tautoga niger* Mitchill 1814).

DISTRIBUTION: Atlantic coast of North America from Nova Scotia to North Carolina.

Genus *Tautogolabrus* Günther

Tautogolabrus Günther, 1862: 89, 90 (type-species,

Ctenolabrus burgall Günther, by monotypy, proposed as a subgenus).

Two species; Atlantic. The genus needs revision.

***Tautogolabrus adpersus* (Walbaum)**

Labrus burgall Schöpf, 1788: 155 (New York).
Labrus adpersus Walbaum, 1792: 254 (New York).
Tautoga caerulea Mitchell, 1814: 24 (New York).
Labrus chogset Mitchell, 1815: 402, pl. 3, fig. 2 (New York).
Labrus chogset var. *fulva* Mitchell, 1815: 403 (New York).
Ctenolabrus uninotatus Val., 1839: 239 (New York).

DISTRIBUTION: northwestern Atlantic from Newfoundland to Chesapeake Bay.

REMARKS: *Labrus burgall* is an available name (Eschmeyer, 1997) that has not been used since Günther (1862: 90). In Jordan's (1890) revision of the European and American Labridae the name *adpersus* was used.

***Tautogolabrus brandaonis* (Steindachner)**

Ctenolabrus (Tautogolabrus) brandaonis Steindachner, 1867a: 64 (Brazil).

DISTRIBUTION: Brazil.

Genus *Terelabrus* Randall & Fourmanoir

Terelabrus Randall & Fourmanoir, 1998:248 (type-species, *Terelabrus rubrovittatus* Randall & Fourmanoir, by original designation).

One species.

***Terelabrus rubrovittatus* Randall & Fourmanoir**

Terelabrus rubrovittatus Randall & Fourmanoir, 1998: 249, fig. 1 (Bulari Pass, New Caledonia).

DISTRIBUTION: Western Pacific: New Caledonia, Papua New Guinea, Bali and Palau.

Genus *Thalassoma* Swainson

Thalassoma Swainson, 1839: 172, 224 (type-species, *Scarus purpureus* Forsskål, by monotypy, proposed as a subgenus).

Chlorichthys Swainson, 1839: 173, 232 (type-species, *Labrus bifasciatus* Bloch, by subsequent designation, proposed as a subgenus).

Bermudichthys Nichols, 1920: 62 (type-species, *Bermudichthys subfurcatus* Nichols, by original designation).

Pseudojulops Fowler, 1941: 271 (type-species, *Pseudojulis trifasciatus* Weber, by original designation).

Twenty-six species (Gomon & Forsyth, 1990; Allen, 1995b; A. Brito pers. comm.). Indo-Pacific (17 species), Atlantic (5 species) and eastern Pacific (4

species). The genus was revised by Heiser (1981) in his unpublished dissertation.

***Thalassoma amblycephalum* (Bleeker)**

Julis (Julis) amblycephalus Bleeker, 1856d: 83 (Java).
Julis (Julis) melanochir Bleeker, 1857c: 77 (Indonesia).
Thalassoma melanochir Fowler, 1904: 537, pl. 20, middle fig. (Padang, Sumatra, Indonesia).
Pseudojulis trifasciatus Weber, 1913: 380, fig. 76 (Tiur, Nusa Laut, Karkaralong Ids, Indonesia).
Thalassoma marnae Schultz, 1943: 203, fig.17 (Hull Id, Phoenix Ids).

DISTRIBUTION: Indo-Pacific, South Africa to Japan, Australia and central Pacific.

***Thalassoma ascensionis* (Quoy & Gaimard)**

Julis ascensionis Quoy & Gaimard, 1834: 706, pl. 20, fig. 5 (Ascension Id).
? *Julis newtoni* Osorio, 1891: 127 (São Tomé Id, Gulf of Guinea, West Africa).

DISTRIBUTION: Ascension Id and Canary Ids.

REMARKS: *Julis newtoni* Osorio may represent a valid species of *Thalassoma* (A. Brito, pers. comm.).

***Thalassoma ballieui* (Vaillant & Sauvage)**

Julis ballieui Vaillant & Sauvage, 1875: 284 (Hawaiian Ids).
Julis obscura Günther, 1880: 61, pl. 26, figs. A-B (Honolulu, Oahu Id, Hawaiian Ids).
Julis verticalis Smith & Swain, 1882: 135 (Johnston Id, central Pacific).

DISTRIBUTION: Hawaiian Ids and Johnston Id.

***Thalassoma bifasciatus* (Bloch)**

Labrus bifasciatus Bloch, 1791: 131, pl. 283 ("East Indies" [actually West Indies]).
Labrus torquatus Walbaum, 1792: 245 (Antilles).
Labrus bifasciatus var. *torquatus* Bloch & Schneider, 1801: 243 (Antilles).
Julis detorsor Val., 1839: 408 (Santo Domingo and Martinique Id, West Indies).
Labrus ornatus Gronow in Gray, 1854: 83 (Antilles and American Ocean; preoccupied by *Labrus ornatus* Carmichael, 1819 [= *Nelabrichthys ornatus*]).
Julis gilliamus Poey, 1860: 214 (Cuba).
Julis nitida Günther, 1862: 190 (Jamaica).
Julis nitidissima Goode, 1877: 293 (Bermuda).
Bermudichthys subfurcatus Nichols, 1920: 62 (Bermuda).

DISTRIBUTION: Bermuda, North Carolina, Florida, Gulf of Mexico, West Indies and Caribbean to Venezuela.

REMARKS: *Labrus torquatus* Walbaum is a new synonym.

***Thalassoma cupido* (Temminck & Schlegel)**

Julis cupido Temminck & Schlegel, 1845: 170, pl. 86 bis, fig. 3 (Nagasaki, Japan).

DISTRIBUTION: Japan, Korea, and Taiwan.

Thalassoma duperrey (Quoy & Gaimard)

Julis duperrey Quoy & Gaimard, 1824: 268, pl. 56, fig. 2 (Hawaiian Ids).

Julis caeruleocephalus Cuvier, 1829: 259 (no locality).

Julis clepsydralis Smith & Swain, 1882: 136 (Johnston Id).

Thalassoma pyrrovinctum Jenkins, 1901: 51, fig. 7 (Honolulu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids and Johnston Id.

Thalassoma genivittatum (Valenciennes)

Julis genivittatus Val., 1839: 416 (Mauritius, Madagascar).

Julis commersoni Val., 1839: 418 (Mauritius, Madagascar)

Julis matthoei Val., 1839: 419 (Mauritius).

Julis bicolor Günther, 1862: 184 (no locality [Mauritius]).

Thalassoma mascarenum Fricke, 1999: 437, figs 6A, 7A (Réunion).

DISTRIBUTION: Mauritius and South Africa.

REMARKS: Bauchot (1963: 61) stated that Smith (1957a) was in error to identify *Julis matthoei* as *Xiphocheilus gymnogenys* Günther. We follow Heiser (1981) in regarding *J. matthoei* as an aberrant *T. genivittatum*. *T. mascarenum* is a synonym according to Randall and Smith (ms. in preparation).

Thalassoma grammaticum Gilbert

Thalassoma grammaticum Gilbert, 1890: 68 (Socorro and Clarion Ids, Revillagigedo Ids, off western Mexico).

DISTRIBUTION: Gulf of California to Panama and Galápagos Ids.

REMARKS: Randall (1995b) showed that *Thalassoma grammaticum* is the correct name for the eastern Pacific labrid fish misidentified as *Thalassoma lutescens* (Lay & Bennett) by recent authors.

Thalassoma hardwicke (Bennett)

Labrus quindecimaculeatus Lacepède, 1801: 432, 480, pl. 25, fig. 1 (Gulf of India, *nomen dubium*).

Sparus hardwicke Bennett [J.W.], 1830: pl. 12 (Sri Lanka).

Julis dorsalis Quoy & Gaimard, 1834: 713, pl. 15, fig. 5 (Mauritius).

Julis semifasciatus Val., 1839: 448 (Mauritius).

Julis prostigma Kuhl & van Hasselt in Cuvier & Valenciennes, 1839: 451 (Java, Indonesia).

Labrus pulcherrimus Forster in Cuvier & Valenciennes, 1839: 451 (Tahiti, Society Ids).

?*Julis erythropterus* Val., 1839: 464 (no locality).

Julis (Julis) urostigma Bleeker, 1853c: 287 (Cauer, Sumatra, Indonesia).

Julis (Julis) schwanefeldii Bleeker, 1853c: 288 [later spelled *schwanefeldii* by Bleeker] (Cauer, Sumatra).

Halichoeres iris Seale, 1910: 522 (Jolo Id, Philippines).

DISTRIBUTION: Indo-Pacific, South Africa to Tahiti.

REMARKS: *Sparus hardwickii* Bennett, 1841 and *Thalassoma hardwickii* of later authors are incorrect spellings (Eschmeyer & Pethiyagoda, 1996). See Bauchot (1963: 89) for discussion of *Labrus quindecimaculeatus* Lacepède.

Thalassoma hebraicum (Lacepède)

Labrus hebraicus Lacepède, 1801: 454, 526, pl. 29, fig. 3 (Mauritius).

Julis cingulata Quoy & Gaimard, 1834: 711, pl. 15, fig. 3 (Mauritius).

Julis blochii Val., 1839: 422 (no locality).

DISTRIBUTION: western Indian Ocean.

REMARKS: *Julis blochii* is based on *Labrus lunaris* Bloch (1791: pl. 281) and the specimen labeled by Cuvier and Valenciennes at the MNHN is *Thalassoma hebraicum* Lacepède (Bauchot, 1963: 76).

Thalassoma heiseri Randall & Edwards

Thalassoma heiseri Randall & Edwards, 1984: 15, fig. 1B, 3 (Pitcairn Id, southern Pacific).

DISTRIBUTION: Pitcairn Group and Tuamotu Archipelago.

Thalassoma janseni (Bleeker)

Julis (Julis) janseni Bleeker, 1856b: 56 (Indonesia).

DISTRIBUTION: Maldives to Micronesia and Fiji.

Thalassoma loxum Randall & Mee

Thalassoma loxum Randall & Mee, 1994: 303, pls. 1-5 (South coast, Hoone's Bay, Oman, Arabian Sea).

DISTRIBUTION: southern Oman to Gulf of Oman.

Thalassoma lucasanum (Gill)

Julis lucasanus Gill, 1862: 142 (Cape San Lucas, Baja California, Mexico).

Thalassoma steindachneri Jordan, 1890: 654 (Acapulco, Mexico).

Thalassoma caeruleomarginata Fowler, 1944a: 265, fig. 233 (Perlas Ids, Panama, eastern Pacific).

DISTRIBUTION: Baja California to Panama and Galápagos.

Thalassoma lunare (Linnaeus)

Labrus lunaris Linnaeus, 1758: 283 (India).

Scarus gallus Forsskål, 1775: 26 (Yemen, Red Sea).

Labrus zeylanicus Forster, 1781: 24 (Sri Lanka).

Labrus viridis Bloch 1791: 129, pl. 282 (Japan; preoccupied by *Labrus viridis* Linnaeus, 1758).

?*Labrus polyodon* Walbaum 1792: 250 (no locality).

?*Labrus polyodon* Bloch & Schneider 1801: 263 (no locality; preoccupied by *Labrus polyodon* Walbaum).
Trichopus arabicus Shaw, 1803: 390 (Arabian Sea).
Julis maculata Lesson, 1828: 402 (Caroline Ids).
Julis porphyrocephala Bennett, 1832b: 183 (Sri Lanka).
Julim [sic] lutescentem Bennett, 1832b: 184 (Sri Lanka).
Julis hardwickii Gray, 1832: pl. 92, fig. 1 (no locality).
Julis trimaculatus Rüppell, 1835: 13 (Massawa, Eritrea, Red Sea; preoccupied by *Julis trimaculatus* Quoy & Gaimard, 1834 [= *Halichoeres trimaculatus*]).
? *Chlorichthys grayii* Swainson, 1839: 232 (no locality).
Julis meniscus Val., 1839: 415 (Seychelles, India, Macao).
? *Julis mertensii* Val., 1839: 421 (Ulea, Caroline Ids).
Julis (Julis) celebicus Bleeker, 1855e: 313 (Indonesia).
Julis rapan Montrouzier, 1857: 473 (Woodlark Id).
Julis gracilis Steindachner, 1863b: 1190 (Java, Indonesia).
Julis truncatus Cartier, 1874: 105 (Cebu, Philippines).
Julis ventralis De Vis, 1885: 884 (Queensland, Australia).
? *Julis cyanoventor* Saville-Kent, 1893: 296, pl. 16, fig. 14 (Rocky Id, Cape Flattery, Queensland, Australia).
Thalassoma cupido bipunctatum Vasilii, 1931: 349, pl. 10, fig. 11 (Galle, Sri Lanka).
Thalassoma herrei Seale, 1935: 369, pl. 23, fig. 2 (Tulagi, Florida Id, Solomon Ids).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Persian Gulf, Japan, Australia and central Pacific.

REMARKS: *Labrus polyodon* Walbaum and *Labrus polyodon* Bloch are based on Seba (Thes. III n. 3 and n. 4, tab. 31) and might represent this species. Bleeker (1862f) listed *Julis hardwickii* Gray as a synonym. The first author and Jeff Johnson of the Queensland Museum determined that *Julis ventralis* De Vis is a synonym. *Thalassoma cupido bipunctatum* Vasilii is a subadult of *T. lunare*. *Julis cyanoventor* Saville-Kent is a probable synonym (R.H. Kuiter, pers. comm.). *Chlorichthys grayii* Swainson appears to be a new name for *Julis hardwickii* Gray.

Thalassoma lutescens (Lay & Bennett)

? *Labrus semilunatus* Lacepede 1804: 205, 211 (Australia).
Julis lutescens Lay & Bennett (ex Solander), 1839: 65, pl. 19, fig. 2 (Mauritius; Tahiti; Ryukyu Ids, Japan).
Julis aneitensis Günther, 1862: 183 (northeastern coast of Australia; Norfolk Id; Vanuatu [New Hebrides]).
Julis melanoptera Günther, 1862: 183 ([Sri Lanka]).
Thalassoma neanis Jordan & Evermann in Jordan & Snyder, 1907: 214, pl. 12, fig. 2 (Honolulu, Oahu Id).
Thalassoma cranei Herre, 1935: 412 (Tenibuli, Ysabel Id, Solomon Ids).
Julis whitmii Günther, 1909: 291, pl. 148, fig. A (Raiatea, Society Ids).

DISTRIBUTION: central and eastern Pacific to Oman.

REMARKS: Information of the type of *Julis melanoptera* was provided by A.C. Gill (pers. comm.).

Thalassoma noronhanum (Boulenger)

Julis noronhana Boulenger, 1890: 483 (Fernando de Noronha, Brazil).

DISTRIBUTION: Fernando de Noronha Archipelago, Brazil, and coast of Brazil.

Thalassoma pavo (Linnaeus)

Labrus pavo Linnaeus, 1758: 283 (Mediterranean, Syria).
Labrus syriacus Bloch & Schneider, 1801: 244 (Syria).
? *Labrus donzella* Rafinesque 1810a: 39 (Sicily, Italy).
? *Labrus imperialis* Rafinesque 1810a: 40 (Sicily).
Labrus leo Rafinesque, 1810a: 37 (Sicily, Italy).
Julis squamismarginatus Bowdich, 1825: 234, fig. 53 (Gambia river, West Africa).
Julis turcica Risso, 1827: 312, pl. 9, fig. 21 (Nice, France).
Julis unimaculata Lowe, 1840: 37 (Madeira).
Julis unimaculata var. *lineolata* Lowe, 1840: 37 (Madeira).
Julis unimaculata var. *taeniata* Lowe, 1840: 37 (Madeira).
Julis turcica var. *iemniscata* Lowe, 1843: 1 (Madeira).
Julis turcica var. *torquata* Lowe, 1843: 1, pl. 1 (Madeira).
Julis vulgaris Valenciennes, 1843: 65 (Canary Ids; preoccupied by *Julis vulgaris* Fleming 1828 [= *Coris julis* Linnaeus]) and *Julis vulgaris* Valenciennes, 1839 [= *Coris julis* Linnaeus]).

DISTRIBUTION: Mediterranean and eastern Atlantic from Portugal to Cape Lopez, Gabon, including Azores, Madeira, and Canary Ids.

REMARKS: synonymy from Gomon and Forsyth (1990). Cocco (Facciola, 1885) recognized *Labrus donzella* Rafinesque as a synonym.

Thalassoma purpureum (Forsskål)

Scarus purpureus Forsskål, 1775: 27 (Jeddah, Red Sea).
Scarus purpuratus Shaw, 1803: 397 (Arabian Seas; unjustified emendation for *Scarus purpureus* Forsskål).
Julis quadricolor Lesson, 1828: 400 (Tahiti, Matavai and Borabora).
Scarus georgii Bennett [J.W.], 1830: pl. 24 (Sri Lanka).
Scarus georgiiquarti Bennett [J.W.], 1841: pl. 24 (Sri Lanka).
Julis semicoeruleus Rüppell, 1835: 10, pl. 3, fig. 1 (Jidda [Jeddah], Saudi Arabia, Red Sea).
Julis umbrostygma Rüppell, 1835: 11, pl. 3, fig. 2 (Mohila and Jidda [Jeddah], Saudi Arabia, Red Sea).
Julis aeruginosus Val., 1839: 441 (Mauritius).
Julis cyanogaster Val. (ex Solander) in Cuv. & Val., 1839: 444 (Tahiti, Society Ids).
Julis erythrogaster Val. (ex Solander) in Cuv. & Val., 1839: 447 (Ulea, Caroline Ids).
Thalassoma immanis Fowler, 1900: 488, pl. 18, fig. 2 (Caroline (Thornton) Id, [Line Ids, not Caroline Ids]).
Thalassoma berendti Seale, 1901b: 15, fig. 7 (Honolulu, Hawaiian Ids).
Julis punctatus Seale, 1901a: 91 (Guam, Mariana Ids).

DISTRIBUTION: Indo-Pacific: Red Sea to South Africa, Sri Lanka, Japan, Australia, Hawaiian Ids and Easter Id.

Thalassoma quinquevittatum (Lay & Bennett)

Julis coris Lesson, 1828: 404 (Caroline Ids).

Scarus quinquevittatus Lay & Bennett, 1839: 66, pl. 19, fig. 3 (Ryukyu Ids, Japan).

Julis guentheri Bleeker, 1862b: 279 (Sulawesi, Indonesia).

Thalassoma albolineum Nichols, 1941: 1, fig. 6 (Bali, Indonesia).

DISTRIBUTION: South Africa and Western Indian Ocean to central Pacific including Hawaiian Ids.

REMARKS: *Julis coris* Lesson is an earlier name for *Thalassoma quinquevittatum*. Although there is no type specimen, Lesson's description is sufficient to identify it as the species long known as *T. quinquevittatum*. Valenciennes (1839) used *Julis coris* for *Coris aygula* Lacepède. Randall and Parenti (1999) included *J. coris* Lesson among the old labrid names that should be suppressed in order to conserve names long accepted as valid.

Thalassoma robertsoni Allen

Thalassoma sp. Allen & Robertson, 1994: 207.

Thalassoma robertsoni Allen, 1995b: 75, figs. 1-2 (Clipperton Id, 10°18'N, 109°13'W).

DISTRIBUTION: Clipperton Id (eastern Pacific).

Thalassoma rueppellii (Klunzinger)

Julis purpureus (nec Forsskål) Rüppell, 1828: 25 (Red Sea, misidentification).

Julis rueppellii Klunzinger, 1871: 536 (Egypt, Red Sea).

Thalassoma klunzingeri Fowler & Steinitz, 1956: 278, fig. 24 (Eilat, Israel, Gulf of Aqaba).

DISTRIBUTION: Red Sea.

Thalassoma sanctaehelenae (Valenciennes)

Julis sanctaehelenae Val., 1839: 382 (St. Helena Id).

Julis lessonii Val., 1839: 384 (St. Helena Id).

DISTRIBUTION: St. Helena Id, South Atlantic.

Thalassoma septemfasciatum Scott

Thalassoma septemfasciata Scott, 1959: 84, fig. 4 (Shark Bay, Western Australia).

DISTRIBUTION: western Australia.

Thalassoma trilobatum (Lacepède)

Labrus trilobatus Lacepède, 1801: 454, 526, pl. 4, fig. 3 (Indo-Pacific Ocean).

Labrus fuscus Lacepède, 1801: 437, 493 (Mauritius; preoccupied by *Labrus fuscus* Gmelin, 1789 and *Labrus fuscus* Walbaum, 1792 [= *Symphodus mediterraneus* (Linnaeus, 1758)]).

Sparus hemisphaericus Shaw, 1803: 454 (Indian Seas).

Sparus brachiatus Shaw, 1803: 456 (Indian Seas).

Julis bicatenatus Bennett, 1832a: 167 (Mauritius).

Julis formosus Val., 1839: 439 (Mauritius).

Julis souleyetii Val., 1839: 457 (Mauritius, Hawaiian Ids).

Julis abhortani Val., 1839: 459 (Mauritius).

Julis aran Montrouzier, 1856: 474 (Woodlark Id).

DISTRIBUTION: Indo-Pacific, South Africa to central Pacific, including Hawaiian Ids and Pitcairn Group.

REMARKS: *Sparus hemisphaericus* Shaw and *Sparus brachiatus* Shaw were reported as synonyms of *Labrus fuscus* Lacepède by Swain (1883: 305).

Thalassoma virens Gilbert

Thalassoma virens Gilbert, 1890: 68 (Socorro Id, Revilla Gigedo [Revillagigedo] Ids, off western Mexico).

Thalassoma socorroense Gilbert, 1890: 69 (Socorro Id).

DISTRIBUTION: Revillagigedo Ids and Clipperton Id.

Genus *Wetmorella* Fowler & Bean

Wetmorella Fowler & Bean, 1928: 211 (type-species, *Wetmorella philippina* Fowler & Bean, by original designation).

Two species (Randall, 1983a). Indo-Pacific.

Wetmorella albofasciata Schultz & Marshall

Wetmorella albofasciata Schultz & Marshall, 1954: 446, pl. 12 (Mabul Id, Philippines).

Wetmorella philippina, in part, Fowler & Bean, 1928: 211, pl. 17 (Little Santa Cruz, Zamboanga, Philippines).

DISTRIBUTION: Indo-Pacific, including Hawaiian Ids.

Wetmorella nigropinnata (Seale)

Cheilinus nigropinnatus Seale, 1901a: 86 (Guam).

Wetmorella philippina (in part) Fowler & Bean, 1928: 211 (Little Santa Cruz, Zamboanga, Philippines).

Wetmorella philippina bifasciata Schultz & Marshall, 1954: 441, pl. 12, figs. A-B; fig. 53 (Suakin, Sudan).

Wetmorella ocellata Schultz & Marshall, 1954: 444, pl. 12, figs. D-E (Rongelap Atoll, Marshall Ids).

Wetmorella triocellata Schultz & Marshall, 1954: 447, fig. 54 (Rapurapu Id, Philippines).

DISTRIBUTION: Indo-Pacific, including Red Sea.

Genus *Xenajulis* de Beaufort

Xenajulis de Beaufort, 1939: 415 (type-species *Xenajulis montillai* de Beaufort, by original designation).

One species.

Xenajulis margaritaceus (Macleay)

PlatyGLOSSUS margaritaceus Macleay, 1883b: 274 (Hood Bay, Port Moresby, Papua New Guinea).

Halichoeres macleayi Jordan & Seale, 1906: 303 (unnecessary replacement for *PlatyGLOSSUS margaritaceus* Macleay,

thought to be preoccupied by *Julis margaritaceus* Valenciennes when both in *Halichoeres*).

Xenajulis montillai de Beaufort, 1939: 417, fig. 3 (Balawan, La Union Province, Luzon Id, Philippines).
Halichoeres sexmaculatus Fowler, 1946: 166, fig. 34 (Aguni Shima, Ryukyu Ids, Japan).

DISTRIBUTION: Ryukyu Ids, Philippines, New Guinea, and western Australia.

Genus *Xiphocheilus* Bleeker

Xiphocheilus Bleeker, 1856e: 223 (type-species, *Xiphocheilus typus* Bleeker, by monotypy)
Xiphochilus Günther, 1862:98 (unjustified emendation).

One species (Gomon, 1997).

Xiphocheilus quadrimaculatus (Günther)

Xiphochilus quadrimaculatus Günther, 1880: 45, pl. 20, fig. C (Arafura Sea).
Xiphocheilus typus Bleeker, 1856e: 224 (Nias, Indonesia).

DISTRIBUTION: India, Indonesia, northwestern Australia, South China Sea, New Caledonia.

Genus *Xyrichtys* Cuvier

Xyrichtys Cuvier, 1814: 87 (type-species, *Coryphaena novacula* Linnaeus, by subsequent designation).
Novacula Cuvier, 1815a: 324 (type-species, *Coryphaena novacula* Linnaeus, by monotypy and by absolute tautonymy).
Xirichthys Cuvier, 1829: 262 (*Xyrichtys* of later authors)
Amorphocephalus Bowdich, 1825: xii, 238 (type-species, *Amorphocephalus granulatus* Bowdich, by monotypy).
Iniiistius Gill, 1862: 143 (type-species, *Xyrichtys pavo* Valenciennes, by original designation).
Xyrula Jordan, 1890: 656 (type-species, *Xyrichtys jessiae* Jordan, by original designation).
Duoheipteronotus Fowler, 1956: 281 (type-species, *Hemipteronotus evides* Jordan & Richardson, by original designation, proposed as a subgenus).

REMARKS: Randall and Bauchot (1993) showed that the use of *Hemipteronotus* Lacepède for species of *Xyrichtys* is incorrect, as Lacepède's name was intended for the pilotfish (*Naucrates ductor*). They proposed that *Hemipteronotus* be suppressed, and it was placed on the Official Index of Rejected and Invalid Generic Names in Zoology (Opinion, 1799). The genus is in need of revision to determine the identity of some Indo-Pacific species; Randall (1965a) reviewed the Western Atlantic species; 28 species are provisionally listed here (including 1 undescribed species). Some 22 species (including 4 species endemic to the Eastern Pacific) are Indo-Pacific; 6 species are known from the Atlantic.

Xyrichtys aneitensis (Günther)

Novacula aneitensis Günther, 1862: 176 (Aneityum

[Aneiteum] Id, Vanuatu [New Hebrides]).
Hemipteronotus liogenys Fowler, 1904: 539, pl. 20, lower fig. (Padang, Sumatra, Indonesia).

DISTRIBUTION: Indo-Pacific, Maldives to Samoa.

Xyrichtys baldwini (Jordan & Evermann)

Hemipteronotus baldwini Jordan & Evermann, 1903: 192 (Honolulu, Oahu Id, Hawaiian Ids).
Hemipteronotus jenkinsi Snyder, 1904: 530, pl 10, fig. 19 (Puako Bay, Hawaii Id, Hawaiian Ids).
Hemipteronotus evides Jordan & Richardson, 1909: 196, pl. 72 (Kao-Hsiung, Taiwan).
Hemipteronotus maculosus Fourmanoir, 1967: 268, fig. 2 (Vietnam).

DISTRIBUTION: Hawaiian Ids and Viet Nam.

REMARKS: *Hemipteronotus maculosus* is a new synonym.

Xyrichtys bimaculatus Rüppell

Xyrichtys bimaculatus Rüppell, 1829: 43, pl. 10 (Bay of Massawa, Eritrea, Red Sea).
Novacula punctulata Val., 1840: 73 (Bombay, India).
Hemipteronotus hyospilus Schultz in Schultz et al., 1960: 150, fig. 97 (Makassar, Sulawesi [Celebes], Indonesia).

DISTRIBUTION: Red Sea, Persian Gulf, India, and Indonesia.
REMARKS: synonymy from Randell (1981b).

Xyrichtys blanchardi (Cadenat & Marchal)

Novaculichthys blanchardi Cadenat & Marchal, 1963: 1293, fig. 42 (Ascension Id).

DISTRIBUTION: Ascension and St. Helena, South Atlantic.
REMARKS: Reported from St. Helena by Edwards and Glass (1987).

Xyrichtys celebicus (Bleeker)

Novacula celebica Bleeker, 1856b: 61 (Indonesia).
Xyrichtys sp. 2 Shen & Yeh, 1987: 65, figs. 13-14 (Taiwan).

DISTRIBUTION: East Indies, Taiwan, to Marshall Ids.

Xyrichtys cyanifrons Valenciennes

Xyrichtys cyanifrons Val., 1840: 46 (Pondicherry, India).
Novacula rufa Day, 1873: 238 (Madras, India).

DISTRIBUTION: Pondichéry, southern India.

Xyrichtys dea Temminck & Schlegel

Xirichthys dea Temminck & Schlegel, 1845: 171, pl. 87 (Japan).
Xyrichtys margaritatus Fourmanoir, 1967: 267, fig. 1 (Vietnam).

DISTRIBUTION: Japan, China, Viet Nam, Indonesia and Australia.

Xyrichtys geisha Araga & Yoshino

Hemipteronotus sp. 2 Masuda et al., 1975: 306, pl. 111 I.
Xyrichtys geisha Araga & Yoshino, 1986: 75, fig. 1 (outer margin of Okinawa Trough, Japan, depth ca. 100 m).

DISTRIBUTION: Japan.

Xyrichtys incandescens Edwards & Lubbock

Xyrichtys incandescens Edwards & Lubbock, 1981: 233, fig. 1 (Fernando de Noronha Archipelago, Brazil).

DISTRIBUTION: Fernando de Noronha Archipelago, Brazil.

Xyrichtys jacksonensis (Ramsay)

Novacula jacksonensis Ramsay, 1881: 198 (Manly Beach, Port Jackson, New South Wales, Australia).

DISTRIBUTION: Australia and Lord Howe Id..

Xyrichtys javanicus (Bleeker)

Novacula javanica Bleeker, 1862b: 305 (Java, Indonesia).

DISTRIBUTION: Red Sea and Indonesia.

Xyrichtys martinicensis Valenciennes

Xyrichtys martinicensis Val., 1840: 49 (Martinique Id).
Xyrichtys lineatus Val., 1840: 50 (Martinique Id).
Xyrichtys modestus Poey, 1867: 238 (Havana, Cuba).
Xyrichtys venustus Poey, 1876: 152 (Martinique Id).
Xyrichtys infirmus Bean, 1891: 199, pl. 29, fig. 2 (Cozumel, Yucatán, Mexico).
Xyrichtys niveilatus Jordan & Evermann, 1903: 194 (Cozumel, Yucatán, Mexico).

DISTRIBUTION: Bermuda, Florida, West Indies, Carribean, Yucatan to Venezuela.

REMARKS: synonymy from Randall (1965a).

Xyrichtys melanopus (Bleeker)

Novacula melanopus Bleeker, 1857c: 82 (Ambon Id, Moluccas Ids, Indonesia).
Novacula pilonotus Bleeker, 1857c: 83 (Ambon Id).

DISTRIBUTION: Red Sea and western Pacific.

Xyrichtys mundiceps Gill

Xyrichtys mundiceps Gill, 1862: 143 (Baja California).

DISTRIBUTION: Baja California, Mexico.

Xyrichtys niger (Steindachner)

Novacula (Iniistius) nigra Steindachner, 1900: 176 (Honolulu, Oahu Id, Hawaiian Ids).

Iniistius verater Jenkins, 1901: 55, fig. 12 (Honolulu).

DISTRIBUTION: Red Sea and Hawaiian Ids.

REMARKS: a probable synonym of *Xyrichtys pavo* Valenciennes (Randall & Earle, MS).

Xyrichtys novacula (Linnaeus)

Coryphaena novacula Linnaeus, 1758: 262 (Mediterranean).

Coryphaena psittacus Linnaeus, 1766: 448 (Carolina, U.S.A.).

Coryphaena lineata Gmelin, 1789: 1195 (Charleston, South Carolina, U.S.A.).

Coryphaena lineolata Rafinesque, 1810a: 33 (Sicily, Italy).

Novacula coryphaenoides Schinz in Cuvier, 1822: 430 *nomen novum* for *Coryphaena novacula* Linnaeus.

Amorphocephalus granulatus Bowdich, 1825: 238, fig. 36 (Bona Vista, Madeira).

Novacula coryphena Risso, 1827: 334 (Mediterranean; substitute name for *Coryphaena novacula* Linnaeus).

Xyrichtys uniozellatus Agassiz in Spix & Agassiz, 1829: 97, pl. 55 (Brazil).

Xyrichtys cultratus Val., 1840: 37, pl. 391 (Martigues, Montpellier, Ivica, Seide).

Xyrichtys vitta Val., 1840: 51 (no locality).

Xyrichtys vermiculatus Poey, 1860: 215 (Havana, Cuba).

Xyrichtys argentimaculata Steindachner, 1861: 134 (Cape of Good Hope, South Africa; [locality dubious]).

Xyrichtys rosipes Jordan & Gilbert, 1884: 27 (Key West, Florida, U.S.A.).

Xyrichtys jessiae Jordan, 1888: 698 (off Tampa Bay, Florida, U.S.A.).

Hemipteronotus copei Fowler, 1901: 508, pl. 20, fig. 1 ("Oahu, Hawaiian Ids" [locality questionable]).

Xyrichtys binghami Mowbray, 1925: 1, fig. 1 (Double-headed Shot Cat, Cay Sal Bank, Bahamas).

DISTRIBUTION: Western Atlantic: Bermuda, North Carolina to Brazil, including Gulf of Mexico, West Indies and Caribbean. Mediterranean and Eastern Atlantic from Spain to Gulf of Guinea, including Madeira and Canary Ids.

REMARKS: synonymy from Randall (1965a) and Gomon and Forsyth (1990). The status of *Novacula coryphaenoides* is discussed by Daget (1968).

Xyrichtys pavo (Valenciennes)

Xyrichtys pavo Val., 1840: 61, pl. 394 (Mauritius).

Xyrichtys pavoninus Val., 1840: 63 (Hawaiian Ids).

Novacula tessellata Val., 1840: 74 (Mauritius).

Novacula immaculata Val., 1840: 75 (Mauritius).

Xyrichtys puniceus Richardson, 1846b: 261 (China).

Novacula tetrazona Bleeker, 1859a: 169 (Bali, Indonesia).

Iniistius mundicorpus Gill, 1862: 145 (Baja California).

Novacula (Xyrichtys) carneoflava Peters, 1877: 843 (Dana Id).

Iniistius cacatua Waite, 1901: 41, pl. 7 (Lord Howe Id).

Iniistius leucozonus Jenkins, 1901: 54, fig. 11 (Honolulu).

Novacula temporalis Regan, 1905: 392, pl. 6, fig. 3 (Réunion).

Xyrichtys panamensis Fowler, 1944a: 267, fig. 234 (Perlas Ids, Panama, Eastern Pacific).

DISTRIBUTION: Indo-Pacific, Red Sea to eastern Pacific.

REMARKS: *Iniistius leucozonus* Jenkins is a new synonym.

***Xyrichtys pentadactylus* (Linnaeus)**

Coryphaena pentadactyla Linnaeus, 1758: 261 (India).

Xyrichtys cyanirostris Guerin-Meneville 1829-38: 27, pl. 43, fig. 3 (Pondicherry, India).

Novacula sexmaculata Val., 1840: 72 (Bombay, India).

DISTRIBUTION: Red Sea to western Pacific.

REMARKS: *Coryphaena pentadactyla* was redescribed by Valenciennes (1840: 69) as *Novacula pentadactyla*. *Xyrichtys cyanirostris* Guerin-Meneville and *Novacula sexmaculata* Valenciennes are synonyms according to Bleeker (1862f) and Bauchot (1963), respectively.

Xyrichtys rajagopalani

Venkataramanujam, Venkataramani & Ramanathan

Xyrichtys rajagopalani Venkataramanujam, Venkataramani & Ramanathan, 1987: 47, fig. 1 (Tamil Nadu, India).

DISTRIBUTION: southern India.

***Xyrichtys sanctaehelena* (Günther)**

Novacula sanctaehelena Günther, 1868: 228 (St. Helena).

DISTRIBUTION: St. Helena and Ascension Id.

***Xyrichtys splendens* Castelnau**

Xyrichtys splendens Castelnau, 1855: 28, pl. 5, fig. 2 (Bahia, Brazil).

Xyrichtys ventralis Bean, 1891: 198, pl. 29, fig. 1 (Cozumel, Yucatán, Mexico).

DISTRIBUTION: Bermuda, Florida, Yucatán, Caribbean and West Indies to Brazil.

***Xyrichtys trivittatus* Randall & Cornish**

Xyrichtys sp. 1 Shen & Yeh, 1987: 64, fig. 12 (Taiwan).

Xyrichtys pavo (nec Valenciennes): Shen, 1997: 469, pl. 156, fig. 5 (same photo used by Shen & Yeh (1987)).

Xyrichtys trivittatus Randall & Cornish, 2000: 19, fig. 1 (Hong Kong).

DISTRIBUTION: Hong Kong and Taiwan.

***Xyrichtys twistii* (Bleeker)**

Novacula twistii Bleeker, 1856c: 381 (Indonesia).

?*Novacula stockumii* Reuvenis, 1895: 131 (Indonesia).

Hemipteronotus nigromaculatus Herre, 1933: 20 (Jolo, Sulu Archipelago, Philippines).

Hemipteronotus sp. 1 Masuda et al., 1975: 305, pl.111 C.

DISTRIBUTION: Japan, Indonesia.

***Xyrichtys umbrilatus* (Jenkins)**

Hemipteronotus umbrilatus Jenkins, 1901: 53, fig. 10 (Honolulu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

***Xyrichtys verrens* (Jordan & Evermann)**

Hemipteronotus verrens Jordan & Evermann, 1902: 354, fig. 22 (Keerun, Taiwan).

Hemipteronotus caeruleopunctatus Yu, 1968: 129, fig. 54 (Koahsiung, Taiwan).

DISTRIBUTION: Japan, Taiwan.

REMARKS: Synonymy from Shen and Yeh (1987).

***Xyrichtys victori* Wellington**

Xyrichtys victori Wellington, 1992: 1054, figs. 1-2 (Punta Espejo, Marchena Id, Galápagos Ids).

DISTRIBUTION: Galápagos Ids.

***Xyrichtys wellingtoni* Allen & Robertson**

Xyrichtys wellingtoni Allen & Robertson, 1995: 80, fig. 1 (Clipperton Id, 10°18'N, 109°13'W).

DISTRIBUTION: Clipperton Id, Central Pacific.

***Xyrichtys* sp 1**

DISTRIBUTION: Galápagos Ids.

REMARKS: This species is under study by B.C. Victor and G.M. Wellington.

**Family SCARIDAE Rafinesque, 1810a
(Parrotfishes)**

The Family Scaridae (also known as the Callyodontidae) is represented in all shallow tropical seas. Most scarids (75%) occur in the Indo-Pacific Region. Some widely distributed tropical species (e.g. *Scarus ghobban*) may be found in subtropical waters, and one species (*Sparisoma cretense*) enters the temperate waters of the Eastern Atlantic and Mediterranean Sea.

Characters that define the Scaridae are as follows: Body oblong to moderately elongate, somewhat compressed. Mouth rather small, terminal, not protractile; teeth fused to form a pair of sharp-edged plates, resembling a parrot's beak, covered to a varying degree by lips; one or two small laterally projecting canine teeth may be present posteriorly on dental plates in adults. Pharyngeal dentition unique, the interlocking upper pharyngeal bone with 1-3 rows of molariform teeth on a convex surface which bears against the molar-studded concave surface of the single

lower pharyngeal bone. Dorsal fin continuous, with 9 spines and 10 soft rays, anal fin with 3 spines and 9 soft rays, caudal fin with 11 branched rays, and pelvic fin with one spine and 5 rays. Scales large, cycloid, with 22-24 in longitudinal series; those of lateral line with arborescent tubes; lateral line continuous or interrupted below rear of dorsal fin, usually with 18 scales in upper section and 6 scales in lower portion. Head naked, except for scales on cheek. Parrotfishes have a very long intestine and no true stomach, characters related to their herbivorous diet.

Generally found on coral reefs and rocky substrata with heavy algal cover, or seagrass beds. Parrotfishes feed mainly on seagrasses and algae (especially on dead coral substrates), but a few of the larger species feed in part on live coral. Sex reversal is associated with colour changes, as in the Labridae, and colour patterns of many species change greatly from juvenile to adult. Nevertheless, colour patterns of live fish are very important in classification.

TAXONOMY

Usually two subfamilies, Sparinae and Sparisomatinae, have been recognized. However, according to recent phylogenetic analysis, this distinction appears no longer justified (Bellwood, 1994). Ten genera and 90 species, 2 of which are undescribed are recognized here. Bellwood (1994) revised the generic classification; Randall & Bruce (1983) reviewed western Indian Ocean species (Hoover, 1995 added another species from Oman); and Choat and Randall (1986) reviewed the parrotfishes of the Great Barrier Reef. Although we believe the oldest available names are correct for the species of Scaridae, there are many later names not yet confidently placed with the correct senior synonym. Some of these were imperfectly described, thus requiring examination of the holotypes. Even when holotypes are available, the loss of colour pattern in preserved specimens makes identification difficult. A revision of all Indo-Pacific species will still be a difficult task.

Genus *Bolbometopon* Smith

Bolbometopon Smith, 1956b: 8 (type-species, *Scarus muricatus* Valenciennes, by original designation).

One species.

Bolbometopon muricatum (Valenciennes)

Scarus muricatus Val., 1840: 208 (Java, Indonesia).

Callyodon shimoniensis Smith, 1953: 622, pl. 15-16 (Shimoni, Kenya).

DISTRIBUTION: Indo-Pacific, Red Sea to Mozambique, Maldives, Samoa and Line Ids.

Genus *Calotomus* Gilbert

Calotomus Gilbert, 1890: 70 (type-species, *Calotomus xenodon* Gilbert, by original designation).

Scaridea Jenkins, 1903: 468 (type-species, *Scaridea zonarcha* Jenkins, by original designation).

Genus revised by Bruce & Randall (1985); 4-5 species (see remarks under *C. viridescens*). Red Sea to South Africa, Japan, Australia and eastern Pacific.

Calotomus carolinus (Valenciennes)

Callyodon carolinus Val., 1840: 291 (Caroline Ids).

Callyodon genistriatus Val., 1840: 293 (no locality).

Callyodon sandwicensis Val., 1840: 295 (Hawaiian Ids).

Callyodon brachysoma Bleeker, 1861b: 244 (Indonesia).

Calotomus xenodon Gilbert, 1890: 70 (Socorro Id, Revillagigedo Ids, off western Mexico).

Calotomus irradians Jenkins, 1901: 58, fig. 15 (Honolulu).

Calotomus snyderi Jenkins, 1903: 467, fig. 25 (Honolulu).

Scarichthys rarotongae Seale, 1906: 59, fig. 8 (Cook Ids).

Cryptotomus albimarginatus Fourmanoir & Guézé, 1961: 19, fig. 6 (Réunion Id).

DISTRIBUTION: Indo-Pacific, South Africa to Oman, Hawaiian Ids, and eastern tropical Pacific.

REMARKS: *Calotomus carolinus* may be a synonym of *C. viridescens* (Rüppell) (Randall & Anderson, 1993).

Calotomus japonicus (Valenciennes)

Callyodon japonicus Val., 1840: 294, pl. 406 (Japan).

Calotomus cyclurus Jenkins, 1903: 465, fig. 24 ("Hawaiian Islands"; error for Japan (Bruce & Randall, 1985)).

DISTRIBUTION: Japan, Korea and Hawaiian Ids.

Calotomus spinidens (Quoy & Gaimard)

Scarus spinidens Quoy & Gaimard, 1824: 289 (Waigeo [Waigiou], Indonesia).

Callyodon waigiensis Val., 1840: 296 (unneded replacement for *Scarus spinidens* Quoy & Gaimard).

Callyodon hypselosoma Bleeker, 1855c: 425 (Ambon Id, Moluccas Ids, Indonesia).

Callyodon moluccensis Bleeker, 1861b: 243 (Sulawesi [Celebes], Ternate, Batjan, Timor, Ambon, Ceram and Banda, Indonesia).

DISTRIBUTION: Indo-Pacific, South Africa, Chagos, Maldives, to Marshall Ids and Tonga.

Calotomus viridescens (Rüppell)

Scarus (Callyodon) viridescens Rüppell, 1835: 23, pl. 7, fig. 2 (Jidda [Jeddah], Saudi Arabia, Red Sea).

DISTRIBUTION: Red Sea, Chagos, Maldives; might be Indo-Pacific (see Remarks under *C. carolinus*).

Calotomus zonarchus (Jenkins)

Scaridea zonarcha Jenkins, 1903: 468, fig. 26 (Honolulu).

Scaridea balia Jenkins, 1903: 469, fig. 27 (Honolulu).

Scaridea aerosa Jordan & Snyder, 1907: 215, fig. 4 (Honolulu, Oahu Id, Hawaiian Ids).

Scaridea farrandi Jordan [E.K.], 1925: 28, pl. 1, fig. 4 (Honolulu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Ids.

Genus *Cetoscarus* Smith

Cetoscarus Smith, 1956b: 16 (type-species, *Scarus pulchellus* Rüppell, by original designation).

One species.

Cetoscarus bicolor (Rüppell)

Scarus bicolor Rüppell, 1829: 82, pl. 21, fig. 3 (Jeddah).

Scarus pulchellus Rüppell, 1835: 25, pl. 8, fig. 3 (Jidda [Jeddah], Saudi Arabia, Red Sea).

Scarus ocellatus Val., 1840: 278 (Caroline Ids).

Scarus roseiceps Val., 1840: 279 (Ulea, Caroline Ids).

Callyodon scriptus Gronow in Gray, 1854: 85 (Indian Ocean).

Pseudoscarus nigripinnis Playfair & Günther, 1867: 105, pl. 15, fig. 2 (Zanzibar).

Scarus ophthalmistius Herre, 1933: 21 (Philippines).

DISTRIBUTION: Indo-Pacific, Red Sea to Chagos, Maldives, and Caroline Ids.

Genus *Chlorurus* Swainson

Chlorurus Swainson, 1839: (173) 227 (type-species, *Scarus gibbus* Rüppell, by monotypy, proposed as a subgenus).

Pseudoscarus Bleeker, 1861b: 230 (type-species, *Scarus microrhinos* Bleeker, by subsequent designation).

Xanothon Smith, 1956b: 4 (type-species, *Callyodon bipallidus* Smith, by original designation).

Ypsiscarus Schultz, 1958: 33, 47 (type-species, *Callyodon oedema* Snyder, by original designation; proposed as a subgenus).

A valid genus (Bellwood, 1994); 17 species; Indo-Pacific.

Chlorurus atrilunula (Randall & Bruce)

Scarus atrilunula Randall & Bruce, 1983: 9, pl. 4, figs. A-B (Shimoni, Kenya).

DISTRIBUTION: Known only from Kenya to South Africa.

Chlorurus bleekeri (de Beaufort)

Scarus quoyi (*nec* Valenciennes) Bleeker, 1853e: 607 (Ternate, Moluccas, Indonesia).

?*Scarus cyanotaenia* Bleeker, 1854b: 197 (Jakarta).

Callyodon bleekeri de Beaufort, 1940: 318 (*nomen novum* for *Scarus quoyi* Bleeker).

DISTRIBUTION: Northwestern Australia to Fiji.

REMARKS: *Scarus cyanotaenia* Bleeker, 1854b is an initial phase of *Chlorurus*, most likely *C. bleekeri*.

Chlorurus bowersi (Snyder)

Callyodon bowersi Snyder, 1909: 602 (Okinawa, Japan).

DISTRIBUTION: Ryukyus, Philippines, Java and Palau.

Chlorurus capistratoides (Bleeker)

Scarus capistratoides Bleeker, 1847: 162 (Jakarta).

DISTRIBUTION: Indonesia to Maldives and Chagos Ids.

REMARKS: regarded as *Scarus japanensis* by Randall and Nelson (1979); corrected by Randall (1992b).

Chlorurus cyanescens (Valenciennes)

Scarus cyanescens Val., 1840: 254 (Mauritius).

Pseudoscarus chloromelas Playfair & Günther, 1867: 109, pl. 15, fig. 1 (Zanzibar).

DISTRIBUTION: Zanzibar to South Africa, Madagascar and Mauritius.

Chlorurus enneacanthus (Lacepède)

Scarus enneacanthus Lacepède, 1802: 2, 6 (Mauritius).

Scarus capitaneus Cuvier, 1829: 265 (Mauritius).

DISTRIBUTION: Mozambique, Mauritius, Chagos, Maldives.

Chlorurus frontalis (Valenciennes)

Scarus frontalis Val., 1840: 280 (Strong Id, Caroline Ids).

Pseudoscarus jonesi Street, 1877: 80 (Palmyra Id, Hawaiian Ids).

Scarus lupus Fowler, 1900: 491, pl. 18, fig. 1 ("Caroline Id" [Thornton] Id [Line Ids.], South Pacific).

Scarus brighami Bryan & Herre, 1903: 131 (Marcus Id, west Pacific).

Callyodon latax Jordan & Seale, 1906: 329, pl. 49 (Apia, Upolu Id, Western Samoa).

DISTRIBUTION: Great Barrier Reef and islands of Oceania.

REMARKS: synonymy from Wass (1984), Choat and Randall (1986) and Randall in Böhlke (1984).

Chlorurus genazonatus (Randall & Bruce)

Scarus genazonatus Randall & Bruce, 1983: 19, pl. 6, figs. E-F (Sinai Peninsula, Gulf of Aqaba, Red Sea).

DISTRIBUTION: Red Sea.

Chlorurus gibbus (Rüppell)

Scarus gibbus Rüppell, 1829: 81, pl. 20, fig. 2 (Red Sea).

DISTRIBUTION: Red Sea.

Chlorurus japanensis (Bloch)

Scarus japanensis Bloch, 1789: 244 (Japan or Java).

Scarus viridis Bloch, 1790: 29 (Japan or Java, Indonesia; preoccupied by *Scarus viridis* Bonnaterre 1788 [= *Sparisoma viride* (Bonnaterre, 1788)]).

Scarus blochii Val., 1840: 219 (*nomen novum* for *Scarus*

viridis Bloch 1790).

Callyodon pyrrhurus Jordan & Seale, 1906: 314, fig. 55 (Pago Pago, American Samoa).

Callyodon abacurus Jordan & Seale, 1906: 324, pl. 33 (Pago Pago, American Samoa).

Callyodon philippinus Fowler, 1918: 66, fig. 26 (Philippines).

DISTRIBUTION: western Pacific to Samoa.

REMARKS: synonymy from Randall and Nelson (1979); they erred however in listing *Scarus capistratoides* Bleeker as a junior synonym of *japanensis*.

***Chlorurus microrhinos* (Bleeker)**

Scarus microrhinos Bleeker, 1854b: 200 (Indonesia).

Callyodon ultramarinus Jordan & Seale in Seale, 1906: 63, fig. 16 (Mangareva Id, Tuamotu Ids).

DISTRIBUTION: western and central Pacific.

REMARKS: Synonymized with *Scarus gibbus* by Choat and Randall (1986); corrected by Randall (1992b).

***Chlorurus oedema* (Snyder)**

Callyodon oedema Snyder, 1909: 603 (Okinawa, Japan).

DISTRIBUTION: Japan to Indonesia.

***Chlorurus perspicillatus* (Steindachner)**

Scarus perspicillatus Steindachner, 1879: 32 (Hawaiian Ids).

Scarus ahula Jenkins, 1901: 61, fig. 19 (Honolulu).

Scarus miniatus Jenkins, 1901: 62, fig. 20 (Honolulu).

Scarus barborus Jordan & Evermann, 1903: 197 (Honolulu, Oahu Id, Hawaiian Ids).

Callyodon borborus Jordan & Evermann, 1905: 349, fig. 150 (unjustified emendation of *Scarus barborus*).

Scarus kraussi Jordan [E.K.], 1925: 30, pl. 2, fig. 1 (Honolulu, Oahu Id, Hawaiian Ids).

Scarus leucostigma Jordan, Evermann & Tanaka, 1927: 676, pl. 24, fig. 2 (Honolulu, Oahu Id, Hawaiian Ids).

DISTRIBUTION: Hawaiian Islands.

***Chlorurus rhakoura* Randall & Anderson**

Chlorurus sp. Anderson, 1996: 60.

Chlorurus rhakoura Randall & Anderson, 1997: 157 (off Trincomalee, Sri Lanka).

DISTRIBUTION: Sri Lanka.

***Chlorurus sordidus* (Forsskål)**

Scarus sordidus Forsskål, 1775: 30 (Red Sea).

Scarus nigricans Val., 1840: 213 (Red Sea).

Scarus erythrodon Val., 1840: 255 (Mauritius).

Scarus variegatus Val., 1840: 256 (Mauritius).

Scarus purpureus Val., 1840: 277 (Ulea, Caroline Ids; preoccupied by *Scarus purpureus* Forsskål, 1775 [=

Thalassoma purpureum (Forsskål)]).

Scarus spilurus Val., 1840: 279 (Caroline Ids).

?*Scarus sumbawensis* Bleeker, 1848: 638 (Indonesia).

Scarus gymnognathos Bleeker, 1853d: 498 (Jakarta).

Scarus celebicus Bleeker, 1854e: 253 (Indonesia)

Pseudoscarus margaritus Cartier, 1874: 105 (Cebu, Philippines).

Pseudoscarus goldiei Macleay, 1883a: 590 (New Guinea).

Pseudoscarus platodoni Seale, 1901a: 96 (Guam).

Callyodon cyanogrammus Jordan & Seale, 1906: 330, fig. 63 (Apia, Upolu Id, Western Samoa).

Pseudoscarus vitriolinus Bryan, 1906: 27, fig. 4 (Honolulu, Oahu Id, Hawaiian Ids).

Callyodon rostratus Seale, 1910: 524 (Philippines).

Callyodon albipunctatus Seale, 1910: 526 (Philippines).

Scaridea leucotaeniata Fowler, 1944b: 180, fig. 35 (Vanuatu [New Hebrides]).

Callyodon bipallidus Smith, 1955: 936 (Mozambique).

Xanophon bipallidus Smith, 1956b: 5, pl. 41, fig. D (Pinda, Mozambique).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Maldives, Oman, Hawaiian Ids and Pitcairn Group.

REMARKS: *Scarus sumbawensis* Bleeker is an initial phase of *Chlorurus*, possibly *C. sordidus*.

***Chlorurus strongylocephalus* (Bleeker)**

Scarus strongylocephalus Bleeker, 1854f: 439 (Jakarta).

Pseudoscarus microcheilos Bleeker, 1861b: 231 (Jakarta).

DISTRIBUTION: Kenya, Mozambique, Madagascar, Chagos, Seychelles, Maldives, Oman, and Indonesia.

REMARKS: Synonymized with *S. gibbus* by Randall & Bruce (1983), Choat & Randall (1986); corrected by Randall (1992b). Not known from Red Sea.

***Chlorurus troschelii* (Bleeker)**

Scarus troschelii Bleeker, 1853d: 498 (Jakarta, Indonesia).

?*Pseudoscarus rhoduropterus* Bleeker, 1861b: 233 (Makasar Sulawesi [Celebes], Indonesia).

DISTRIBUTION: Indonesia to Thailand.

REMARKS: *Pseudoscarus rhoduropterus* Bleeker is an initial phase of *Chlorurus*, possibly *C. troschelii*.

Genus *Cryptotomus* Cope

Cryptotomus Cope, 1871: 462 (type-species, *Cryptotomus roseus* Cope, by monotypy).

One species.

***Cryptotomus roseus* (Cope)**

Cryptotomus roseus Cope, 1871: 462, figs. 1, 1a (St. Martin Id, West Indies).

Cryptotomus crassiceps Bean, 1906: 32 (Bermuda).

DISTRIBUTION: Bermuda, South Carolina to Florida, West Indies and Caribbean to southern Brazil.

REMARKS: synonymy from Schultz (1958).

Genus *Hipposcarus* Smith

Hipposcarus Smith, 1956b: 17 (type-species, *Scarus harid* Forsskål, by original designation).

Two species; Indo-Pacific.

Hipposcarus harid (Forsskål)

Scarus harid Forsskål, 1775: 30 (Red Sea).
Scarus mastax Rüppell, 1829: 80, pl. 21, fig. 2 (Red Sea).
Petronason longicauda Swainson, 1839:226 (based on *Scarus mastax* Rüppell).
Scarus latus Val. (ex Ehrenberg) in Cuv. & Val., 1840: 245 (Red Sea).
Scarus ruppelii Val., 1840: 259 (Red Sea).
Scarus cyanurus Val., 1840: 261 (Jeddah, Saudi Arabia).
Hipposcarus harid vexillus Smith, 1959: 277, fig. 9 (Shimoni, Kenya).

DISTRIBUTION: Western Indian Ocean, Red Sea to Mozambique, Seychelles, Maldives, Mauritius, Chagos.
REMARKS: synonymy from Smith (1956a) and Dor (1984).

Hipposcarus longiceps (Valenciennes)

Scarus longiceps Val., 1840: 241 (Waigiou, Indonesia).
Scarus pinguistrostratus Fowler, 1904: 541, pl. 21, upper fig. (Padang, Sumatra, Indonesia).
Scarus macrocheilos Bleeker, 1854a: 60 (Indonesia).
Hipposcarus schultzi Smith, 1959: 277, fig. 8 (Murcielagos Bay, Philippines).

DISTRIBUTION: western Pacific to French Polynesia.

Genus *Leptoscarus* Swainson

Leptoscarus Swainson, 1839: 172, 226 (type-species, *Scarus vaigiensis* Quoy & Gaimard, by monotypy; proposed as a subgenus).
Scarichthys Bleeker, 1859c: xvii, 106 (type-species, *Scarus naevius* Valenciennes, by subsequent designation).

Genus revised by Bruce & Randall (1985). One species.

Leptoscarus vaigiensis (Quoy & Gaimard)

Scarus vaigiensis Quoy & Gaimard, 1824: 288 (Waigeo [Waigiou], Indonesia).
Scarus (Calliodon) coeruleopunctatus Rüppell, 1835: 24, pl. 7, fig. 3 (Jidda [Jeddah], Saudi Arabia, Red Sea).
Scarus rubronotatus Val. (ex Ehrenberg) in Cuv. & Val., 1840: 212 (Gulf of Aqaba, Red Sea).
Scarus auritus Val., 1840: 218 (Java, Indonesia).
Scarus naevius Val., 1840: 253 (Seychelles).
Scarus bottae Val., 1840: 262 (Jeddah, Red Sea).
Calliodon chlorolepis Richardson, 1845: 137, pl. 64, figs. 4-7 (Hong Kong, China).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa and

Easter Id.

Genus *Nicholsina* Fowler

Nicholsina Fowler, 1915a: 3 (type-species, *Cryptotomus beryllinus* Jordan & Swain, by original designation; proposed as a subgenus).
Xenoscarus Evermann & Radcliffe, 1917: 129 (type-species, *Xenoscarus denticulatus* Evermann & Radcliffe, by original designation).

Two species (Schultz, 1958). Atlantic and eastern Pacific.

Nicholsina usta (Valenciennes)

Callyodon ustus Val., 1840: 286, pl. 405 (Brazil).
Callyodon auropunctatus Val., 1840: 290 (Santo Domingo).
Scarus dentiens Poey, 1861: 422 (Cuba).
Calliodon retractus Poey, 1868: 345 (Cuba).
Cryptotomus beryllinus Jordan & Swain, 1884: 101 (Havana, Cuba; Key West, Florida, U.S.A.).
Nicholsina usta collettei Schultz, 1968: 2, pl. 1 (off Guinea, west Africa, 9°53'N, 15°56'W).

DISTRIBUTION: two subspecies, *N. usta usta* Valenciennes, from Bermuda, New Jersey to northern Gulf of Mexico to Brazil; and *N. usta collettei* from Senegal to at least Annobón Id off Gabon (Randall, 1990).

Nicholsina denticulata (Evermann & Radcliffe)

Xenoscarus denticulatus Evermann & Radcliffe, 1917: 129, pl. 12, fig. 1 (Lobos de Afuera Id, Peru).
Xenoscarus hubbsi Harry, 1950: 147, figs. 2-3 (Guaymas, Sonora, Gulf of California, Mexico).

DISTRIBUTION: Baja California to Peru and Galápagos Ids.

Genus *Scarus* Forsskål

Scarus Forsskål, 1775: x, 25 (type-species, *Scarus psittacus* Forsskål, by subsequent designation).
Callyodon Scopoli (ex Gronow), 1777: 449 (type-species *Scarus croicensis* Bloch, by subsequent designation).
Petronason Swainson, 1839: 172, 226 (type-species, *Scarus psittacus* of Rüppell, by subsequent designation).
Erychthys Swainson, 1839: 172, 226 (type-species, *Scarus croicensis* Bloch, by subsequent designation; proposed as a subgenus).
Hemistoma Swainson, 1839: 172, 226 (type-species, *Hemistoma reticulata* Swainson, by monotypy, proposed as a subgenus).
Loro Jordan & Evermann, 1896: 418 (type-species, *Scarus guacamaia* Cuvier, by original designation).
Margaritodon Smith, 1956b: 15 (type-species, *Callyodon verweyi* de Beaufort [= *Scarus festivus*], by original designation).
Scarops Schultz, 1958: 17, 18 (type-species, *Scarus rubroviolaceus* Bleeker, by original designation).
Xenoscarops Schultz, 1958: 16, 23 (type-species, *Scarus*

perrico Jordan & Gilbert, by original designation; proposed as a subgenus).

Fifty-one species, 2 of which are undescribed; circumtropical.

Scarus altipinnis (Steindachner)

Pseudoscarus altipinnis Steindachner, 1879: 18 (type localities, Gilbert [Kingsmill] Ids and Hawaiian Ids).
Callyodon waitei Seale, 1906: 60, fig. 15 (Tahiti).
Pseudoscarus brevifilis Günther, 1909: 327 (Tahiti and Apamana [Abemana], Gilbert Ids).

DISTRIBUTION: central and western Pacific.

Scarus arabicus (Steindachner)

Pseudoscarus arabicus Steindachner, 1902: 318 (Al Mukallā, Yemen, Gulf of Aden).

DISTRIBUTION: Arabian Sea; Gulf of Aden to Pakistan.

Scarus caudofasciatus (Günther)

Pseudoscarus caudofasciatus Günther, 1862: 238 (Mauritius).
Callyodon rubrofasciatus Smith, 1956b: 10, pl. 43, fig. 1 (Shimoni, Kenya).

DISTRIBUTION: Red Sea to South Africa and western Indian Ocean.

Scarus chameleon Choat & Randall

Scarus lunula (*non* Snyder): Choat & Robertson, 1975: 264.
Scarus chameleon Choat & Randall, 1986: 199, pl. 3, figs. C-D; pl. 9, figs. D-H (Sumilon Id, Cebu, Philippines).

DISTRIBUTION: western Australia to Philippines and Fiji.

Scarus chinensis (Steindachner)

Pseudoscarus chinensis Steindachner, 1867b: 585 (Ningbo [Ningpo], Zhejiang province, China).

DISTRIBUTION: coasts of China.

REMARKS: This species was recognized by Bleeker (1873), Reeves (1927), Chu (1931), and Fowler (1956); known only from the holotype. The colour description is unlike that of any known species of *Scarus*; therefore we regard the species as probably valid.

Scarus coelestinus Valenciennes

Scarus coelestinus Val., 1840: 180 (St. Thomas, Virgin Ids, West Indies).
Scarus rostratus Poey, 1860: 221 (Cuba; preoccupied by *Scarus rostratus* Shaw, 1803).
Pseudoscarus simplex Poey, 1865: 185 (Cuba).
Pseudoscarus plumbeus Bean, 1912: 125 (Bermuda).

DISTRIBUTION: Bermuda, South Florida, Caribbean, West Indies to Brazil.

Scarus coeruleus (Bloch)

Coryphaena coerulea Bloch, 1786: 148, pl. 176 (Bahamas and Antilles).
Callyodon gibbosus Bloch & Schneider, 1801: 313 (Carolina, U.S.A.).
Scarus loro Bloch & Schneider, 1801: 288 (South America).
Scarus trilobatus Lacepède, 1802: 5, 21 (Martinique).
Sparus holocyaneos Lacepède, 1802: 45, 141 (Martinique).
Scarus obtusus Poey, 1860: 217 (Cuba).
Scarus nuchalis Poey, 1860: 220 (Cuba).

DISTRIBUTION: Bermuda, Maryland to Florida, Caribbean, West Indies to Brazil; absent from Gulf of Mexico.

Scarus collana Rüppell

Scarus collana Rüppell, 1835: 25, pl. 8, fig. 2 (Massawa, Eritrea, Red Sea).
Scarus collaris Val., 1840: 265 (error for *collana*).
Pseudoscarus ismailius Kossmann & Rüuber, 1877: 410 (Red Sea).
Scarus ghardaqensis Bebars, 1978: 78, fig. 2 (Al-Ghardaqa, Egypt, Red Sea).

DISTRIBUTION: Red Sea.

Scarus compressus (Osburn & Nichols)

Callyodon compressus Osburn & Nichols, 1916: 171, fig. 13 (Concepción Bay, Baja California, Mexico).

DISTRIBUTION: Gulf of California to Ecuador including Galápagos Ids.

Scarus dimidiatus Bleeker

Scarus dimidiatus Bleeker, 1859b: 17 (Doreh, New Guinea).
Callyodon zonularis Jordan & Seale, 1906: 321, fig. 60 (Pago Pago, American Samoa).
Callyodon fumifrons Jordan & Seale, 1906: 326, pl. 34 (Pago Pago, American Samoa).

DISTRIBUTION: Indonesia to Ryukyus, and Samoa.

Scarus dubius Bennett

Scarus dubius Bennett, 1828b: 37 (Hawaiian Ids).
Scarus formosus Val., 1840: 283 (Hawaiian Ids).
Scarus bennetti Val., 1840: 270 (Hawaiian Ids).
Scarus lauia Jordan & Evermann, 1903: 196 (Hawaii Id).

DISTRIBUTION: Hawaiian Ids.

Scarus falcipinnis (Playfair)

Pseudoscarus falcipinnis Playfair, 1868: 865, fig. 3

(Seychelles).

Callyodon pinda Smith, 1956b: 11, pl. 45, fig. 1 (Pinda, Mozambique).

Callyodon improvisus Smith, 1956b: 12, pl. 41, fig. E (Mahé, Seychelles).

DISTRIBUTION: Seychelles, Oman, Mozambique, Mauritius.
The juvenile *Scarus falcipinnis* from Chagos (Winterbottom et al., 1989) may be *S. prasiognathos*.

Scarus ferrugineus Forsskål

Scarus ferrugineus Forsskål, 1775: 29 (Dahab, northwest coast of Gulf of Aqaba, Red Sea).

Scarus coerulescens Val., 1840: 230 (Red Sea).

Scarus aeruginosus Val., 1840: 257 (Red Sea).

Pseudoscarus augustinus Kossmann & Räuber, 1877: 409 (Red Sea).

Scarus marshalli Schultz, 1958: 88 (Mersa Sheikh Sa'ad, Red Sea).

DISTRIBUTION: Red Sea to Persian Gulf.

Scarus festivus Valenciennes

Scarus festivus Val., 1840: 282 (no locality).

Callyodon lunula Snyder, 1908: 99 (Okinawa, Japan).

Callyodon verweyi de Beaufort in Weber & de Beaufort, 1940: 298 (Jakarta [Batavia], Java, Indonesia).

DISTRIBUTION: South Africa, Maldives to Tuamotu Ids.

Scarus flavipectoralis Schultz

Scarus flavipectoralis Schultz, 1958: 52, pl. 9 (Pagapas Bay, Luzon Id, Philippines).

DISTRIBUTION: Philippines to Great Barrier Reef, Caroline and Marshall Ids.

Scarus forsteni (Bleeker)

Pseudoscarus forsteni Bleeker, 1861b: 238 (Indonesia).

Callyodon laxtoni Whitley, 1948: 94 (Ocean Id, Australia).

DISTRIBUTION: western Pacific to Pitcairn Group.

REMARKS: Regarded as a synonym of *Scarus tricolor* by Randall and Bruce (1983); further studies have shown that *S. forsteni* is valid (Choat & Randall, 1986). *C. laxtoni* is tentatively placed in the synonymy based on meristics, body shape and emarginate caudal fin.

Scarus frenatus Lacepède

Scarus frenatus Lacepède, 1802: 3, 13, pl. 1, fig. 2 (Indo-Pacific Ocean).

Scarus sexvittatus Rüppell, 1835: 26 (Jeddah, Red Sea).

Callyodon upolensis Jordan & Seale, 1906: 319, fig. 59 (Apia, Upolu Id, Western Samoa).

Callyodon vermiculatus Fowler & Bean, 1928: 472, pl. 49 (Tidore Id, south of Ternate Id, Indonesia).

Scarus randalli Schultz, 1958: 97, pls. 19c, 27a; fig. 20

(Onotoa Atoll, Gilbert Ids).

DISTRIBUTION: Indo-Pacific, including Red Sea.

Scarus fuscocaudalis Randall & Myers

Scarus sp. Myers, 1989: 198.

Scarus sp. Debelius & Kuitert, 1994: 238.

Scarus fuscocaudalis Randall, & Myers, 2000: 222, pl. 1 (Guam).

DISTRIBUTION: East Indies, Palau, Guam, Philippines, and Ryukyu Ids, Japan.

Scarus fuscopurpureus (Klunzinger)

Pseudoscarus forsskalii var. *fuscopurpureus* Klunzinger, 1871: 567 (Al-Quseir [Kosseir], Egypt, Red Sea).

Pseudoscarus collana var. *eques* Steindachner, 1903: 151 (Al Mukallā, Yemen, Gulf of Aden).

DISTRIBUTION: Red Sea to Persian Gulf.

Scarus ghobban Forsskål

Scarus ghobban Forsskål, 1775: 28 (Jeddah, Red Sea).

Scarus guttatus Bloch & Schneider (ex Sonnerat), 1801: 294 (Indian Seas).

Scarus maculosus Lacepède, 1802: 5, 21, pl. 1, fig. 3 (Mauritius).

Scarus pepo Bennett [J.W.], 1830: pl. 28 (Sri Lanka).

Hemistoma reticulata Swainson, 1839: 226, fig. 77 (*nomen novum* for *Scarus pepo* Bennett).

Scarus lacerta Val., 1840: 217 (Pondicherry, India).

Scarus dussumieri Val., 1840: 252 (Seychelles).

Scarus scabriusculus Val., 1840: 271 (Java, Indonesia).

Scarus magrathii Bennett, 1841: pl. 28 (Sri Lanka).

Scarus pyrostethus Richardson, 1846b: 262 (China).

Scarus haridoides Bleeker, 1855b: 344 (Indonesia).

Pseudoscarus cantori Bleeker, 1861b: 240 (Indonesia).

Pseudoscarus nudirostris Alleyne & Macleay, 1877: 346, pl. 17, fig. 1 (Cape Grenville, Queensland, Australia).

?*Pseudoscarus papuensis* Macleay, 1883: 590 (Papua New Guinea).

Pseudoscarus flavipinnis De Vis, 1885: 886 (Cape York, Queensland, Australia).

Pseudoscarus californiensis Pellegrin, 1901: 163 (La Paz Bay, Baja California, Mexico, Gulf of California).

Scarus noyesi Heller & Snodgrass, 1903: 206, pl. 9 (Isabela Id [Albemarle Id], Galápagos Ids).

Pseudoscarus garretti Günther, 1909: 306, pl. 153, fig. C (Gilbert [Kingsmill] Ids).

Pseudoscarus natalensis Gilchrist & Thompson, 1909: 259 (Natal, South Africa).

Scarus pyrostethus australianus Paradice in Paradice & Whitley, 1927: 103, pl. 14 (Northern Australia).

Scarus azureus Meek & Hildebrand, 1928: 742, pl. 72, fig. 1 (Panama City market, Panama).

Scarus toshi Whitley, 1933: 61 (Queensland, Australia).

Callyodon fuscocuneus Fowler, 1935: 158, fig. 128 (Bangkok, Thailand).

Callyodon apridentatus Smith, 1956b: 14, pl. 44, fig. F

(Malindi, Kenya).

Callyodon speigleri Smith, 1956b: 14 (Indo-Pacific).

Scarus fehlmanni Schultz, 1969: 24, fig. 2 (Strait of Jubal, 27°16'40"N, 33°46'50"E, Red Sea).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa and eastern Pacific.

REMARKS: No type of *Pseudoscarus papuensis* Macleay has been found. From the size of 16 inches, colour description, "crescent-shaped" caudal fin, 3 rows of scales on cheek, and noting that *Scarus ghobban* is not among the 14 scarids listed by Macleay, the best prospect would be *ghobban*. However, one would have to accept an error by Macleay for 13 instead of 15 pectoral rays, and the upper lip should cover more than half, not less than half, of the upper dental plate.

Scarus globiceps Valenciennes

Scarus globiceps Val., 1840: 242 (Tahiti, Society Ids).

Scarus lepidus Jenyns, 1842: 108 (Tahiti, Society Ids).

Pseudoscarus spilonotus Kner, 1868: 31 (Fiji Ids).

Pseudoscarus strigipinnis De Vis, 1885: 886 (Cardwell, Queensland, Australia).

Pseudoscarus fuscus De Vis, 1885: 887 (Queensland).

Scarus pronus Fowler, 1900: 490, pl. 18, fig. 3 (Caroline (Thornton) Id, [Line Ids]).

DISTRIBUTION: Indo-Pacific, South Africa to Fiji Ids.

REMARKS: synonymy from Randall and Choat (1980). The holotype of *P. strigipinnis* is in poor condition; it is considered *S. globiceps* based on the colour pattern described by De Vis and cheek scale counts.

Scarus gracilis (Steindachner)

Pseudoscarus gracilis Steindachner, 1869: 125 (China).

DISTRIBUTION: China.

REMARKS: Like *Scarus chinensis*, this species is also from China and known only from the type material. It was recognized as valid by Bleeker (1873), Reeves (1927), Chu (1931), and Fowler (1956). Steindachner mentioned a dark stripe from snout to caudal fin, bordered broadly above by yellowish green. No fish with this colour pattern is known to us, although it may prove to be the initial phase of *S. chinensis*.

Scarus guacamaia Cuvier

Scarus guacamaia Cuvier, 1829: 265 (Cuba).

Scarus turchesius Val., 1840: 181 (Puerto Rico).

Scarus pleianus Poey, 1861: 293 (St. Thomas, Virgin Ids).

DISTRIBUTION: Bermuda, South Florida, and Bahamas to Argentina; absent from Gulf of Mexico.

REMARKS: synonymy from Schultz (1969).

Scarus hoefleri (Steindachner)

Pseudoscarus hoefleri Steindachner, 1881: 159 (Gorée, Senegal).

DISTRIBUTION: Eastern tropical Atlantic.

REMARKS: this species was illustrated and described in more detail in Steindachner 1881b.

Scarus hypselopterus Bleeker

Scarus hypselopterus Bleeker, 1853d: 496 (Indonesia).

Scarus javanicus Bleeker, 1854b: 198 (Java, Indonesia).

Scarus moensi Bleeker, 1860c: 54 (Sulawesi, Indonesia).

Callyodon ogos Seale, 1910: 527 (Philippines).

DISTRIBUTION: Ryukyu Ids to Indonesia and Palau.

Scarus iseri (Bloch)

Callyodon iseri Bloch, 1789: 245 (St. Croix, Virgin Ids).

Scarus croicensis Bloch, 1790: 27, pl. 221 (St. Croix Id).

Scarus insulaesantaeacruis Bloch & Schneider, 1801: 285 (St. Croix Id, Virgin Ids, West Indies).

Calliodon lineatus Bloch & Schneider, 1801: 312, pl. 62, fig. 2 (no locality; plate apparently mislabeled as *Callyodon striatus*).

Scarus punctulatus Val., 1840: 195 (Martinique Id, W.I.).

Scarus diadema Val., 1840: 198 (Martinique Id, W.I.).

Scarus alternans Val., 1840: 200 (Martinique Id, W.I.).

Scarus flavomarginatus Val., 1840: 202 (Martinique Id).

Scarus aracanga Günther, 1862: 209 (Jamaica).

Callyodon margarita Fowler, 1917: 133, fig. 2 (Colón, (Atlantic) Panama).

DISTRIBUTION: Bermuda, North Carolina to Florida, northeast Gulf of Mexico, West Indies and Caribbean to northern South America.

REMARKS: The specific name *iseri* was regarded by Randall and Nelson (1979) as an inadvertent error for *iserti*. However, Bloch spelled *iseri* three times in Latinized form, so it can be argued that there was no inadvertent error. Later it was named *Scarus croicensis* by Bloch (1790). Many authors used *croicensis* as the valid name for this species. Valid as *iserti* in recent literature (Smith-Vaniz et al, 1999).

Scarus koputea Randall & Choat

Scarus koputea Randall & Choat, 1980: 409, figs. 29-31 (Fatu Hiva, Marquesas Ids).

DISTRIBUTION: Marquesas Ids.

Scarus longipinnis Randall & Choat

Scarus longipinnis Randall & Choat, 1980: 414, figs. 32-33 (Pitcairn Id, South Pacific).

DISTRIBUTION: Great Barrier Reef to Pitcairn Ids and Rapa.

Scarus niger Forsskål

Scarus niger Forsskål, 1775: 28 (Red Sea).

?*Scarus chadri* Lacepède, 1802: 2, 12 (Arabia).

Scarus muchipunctatus Val., 1840: 224 (Indian Seas).
Scarus limbatus Val., 1840: 271 (Macao).
? *Scarus makaravar* Montrouzier, 1857: 475 (Woodlark Id).
Pseudoscarus flavomarginatus Kner, 1865b: 262, pl. 10, fig. 2 (Java, Indonesia).
Pseudoscarus niger var. *viridis* Klunzinger, 1871: 570 (Al-Quseir [Kosseir], Egypt, Red Sea).
Pseudoscarus madagascariensis Steindachner, 1887a: 230 (Madagascar).
Callyodon maoricus Jordan & Seale, 1906: 328, pl. 48, fig. 3 (Pago Pago, American Samoa).
Pseudoscarus godeffroyi Günther, 1909: 326, pl. 159 (Society Ids).
Callyodon lineolabiatatus Fowler & Bean, 1928: 457, pl. 47 (Butauanan Id, Philippines).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa and Society Ids.

REMARKS: synonymy from Choat and Randall (1986). Lacepède (1802) described *Scarus chadri* as a new name for *Scarus niger* Forsskål; however, he described the fish as having no spinous rays. *Scarus makaravar* was doubtfully identified as a synonym of *S. niger* by Fowler (1928).

Scarus obishime Randall & Earle

Scarus obishime Randall & Earle, 1993: 288, figs. 1-2 (Tatsumi-wan, Chichi-jima, Ogasawara Ids).

DISTRIBUTION: Ogasawara Ids, Japan.

Scarus oviceps Valenciennes

Scarus oviceps Val., 1840: 244 (Tahiti, Society Ids).
Pseudoscarus zonatus Macleay, 1883: 591 (New Guinea).
Pseudoscarus knerii Steindachner, 1887a: 231 (Auckland [?], New Zealand).
Callyodon lazulinus Jordan & Seale, 1906: 333, fig. 65 (Apia, Upolu Id, Western Samoa).

DISTRIBUTION: Philippines to Great Barrier Reef, Marshall Ids and French Polynesia.

REMARKS: *Pseudoscarus knerii* was illustrated and described in more detail in Steindachner 1887b: 64, Pl. 4, figs. 1-1a. Steindachner described *knerii* from two specimens: a 30 cm fish from "Auckland" that Kner (1865b: 261) regarded as a variety of *Scarus aeruginosus* Valenciennes, and a 16 cm fish from ?Madagascar. The Madagascar locality is certainly in error because *S. oviceps* is a Pacific species. The Auckland locality is highly unlikely for an adult, as a few subtropical reef fishes are known from the north island of New Zealand, but most only as juveniles that do not survive their first winter. *Scarus oviceps* is a tropical species not known from any islands near New Zealand (Lord Howe, Norfolk, or the Kermadecs).

Scarus ovifrons Temminck & Schlegel

Scarus ovifrons Temminck & Schlegel, 1846: 173, pl. 88 (Tokyo Bay, Japan).

DISTRIBUTION: southern Japan and Taiwan.

Scarus perrico Jordan & Gilbert

Scarus perrico Jordan & Gilbert, 1882b: 357 (Mazatlán, Sinaloa, western Mexico).
Callyodon microps Osburn & Nichols, 1916: 170, fig. 12 (Santa Catalina Id, Gulf of California, Mexico).
Scarus dubius Hildebrand, 1946: 351, fig. 72 (Lobos de Afuera Bay, Peru; preoccupied by *Scarus dubius* Bennett, 1828).
Scarus hildebrandi Kanazawa, 1952: 203 *nomen novum* for *Scarus dubius* Hildebrand.

DISTRIBUTION: Gulf of California to Peru.

REMARKS: Synonymy from Schultz (1958).

Scarus persicus Randall & Bruce

Scarus persicus Randall & Bruce, 1983: 25, pl. 6, figs. G-H (Bahrain fish market, Persian Gulf).

DISTRIBUTION: Persian Gulf and south coast of Oman.

Scarus prasiognathos Valenciennes

Scarus prasiognathos Val., 1840: 272 (New Ireland Id, Bismarck Archipelago).
Scarus chlorodon Jenyns, 1842: 105, pl. 21 (Cocos-Keeling Ids, Indian Ocean).
Scarus singaporensis Bleeker, 1852a: 69 (Singapore).
Scarus janthochir Bleeker, 1853b: 139 (Ternate, Moluccas, Indonesia; Jakarta, Java, Indonesia).

DISTRIBUTION: Maldives and Chagos to Indonesia and Ryukyu Ids.

Scarus psittacus Forsskål

Scarus psittacus Forsskål, 1775: 29 (Jeddah, Red Sea).
Scarus venosus Val., 1840: 212 (Réunion Id).
Scarus hertit Ehrenberg in Cuvier & Valenciennes, 1840: 215 (Lohaja; Suez; Djedda [Jeddah], Red Sea).
Scarus taeniurus Val., 1840: 257 (Mauritius).
Scarus forsteri Val., 1840: 275 (Tahiti, Society Ids).
Pseudoscarus forskalii Klunzinger, 1871: 566 (*nomen novum* for *Scarus psittacus* Forsskål).
Scarus balinensis Bleeker, 1849b: 8 (Bali, Indonesia).
Scarus bataviensis Bleeker, 1857b: 342 (Indonesia).
? *Pseudocarus [sic] oktodon* Bleeker, 1861b: 235 (Butung [Buton], Indonesia).
Pseudoscarus filholi Sauvage, 1880: 225 (Fiji Ids).
Pseudoscarus labiosus Macleay, 1883a: 591 (Port Moresby, Papua New Guinea).
Scarus gilberti Jenkins, 1901: 59, fig. 17 (Hawaiian Ids).
Scarus brunneus Jenkins, 1901: 59, fig. 16 (Honolulu).
Scarus jenkinsi Jordan & Evermann, 1903: 195 (Honolulu).
Callyodon erythacus Jordan & Seale, 1906: 318, fig. 58 (Apia, Upolu Id, Western Samoa).
Callyodon hornbosteli Fowler, 1925: 16 (Guam).
Scarus galena Jordan [E.K.], 1925: 32 (Honolulu).
Xanophon carifanus Smith, 1956b: 6, pl. 42, fig. D (Kenya).

Xanothon parvidens Smith, 1956b: 7, pl. 45, fig. E (Bazaruto Id, Mozambique).

DISTRIBUTION: Indo-Pacific, Red Sea to South Africa, Oman, Maldives, Mauritius, Réunion, Chagos, Japan, Australia, Hawaiian Ids and Fiji.

REMARKS: synonymy from Randall and Ormond (1978) and Choat and Randall (1986).

***Scarus quoyi* Valenciennes**

Scarus quoyi Val., 1840: 273 (Bismarck Archipelago).
Callyodon mutabilis Gronow in Gray, 1854: 86 (Ambon Id, Moluccas Ids, Indonesia).
Scarus chrysopomus Bleeker, 1847: 163 (Indonesia).
Pseudoscarus moresbyensis Macleay, 1883a: 591 (Port Moresby, Papua New Guinea).
Callyodon hadji Seale, 1910: 525 (Philippines).

DISTRIBUTION: India and Moluccas to western Pacific.

***Scarus rivulatus* Valenciennes**

Scarus rivulatus Val., 1840: 223 (Java, Indonesia).
Scarus fasciatus Val., 1840: 222 (Moluccas, Indonesia).
Scarus arcuatus Val., 1840: 276 (Thailand).
Scarus micrognathos Bleeker, 1847: 164 (Indonesia).
Scarus rivulatoides Bleeker, 1847: 163 (Java, Indonesia).
Pseudoscarus flavolineatus Alleyne & Macleay, 1877: 346, pl. 16, fig. 3 (Queensland, Australia).

DISTRIBUTION: western Australia to Thailand, Ryukyu Ids; New Caledonia, Palau, Norfolk and Kermadec Ids..

REMARKS: synonymy from Randall and Choat (1980) and Choat and Randall (1986). Bleeker chose *Scarus rivulatus* as the valid name, with *Scarus rivulatoides* and *Scarus micrognathos* in the synonymy.

***Scarus rubroviolaceus* Bleeker**

Scarus rubroviolaceus Bleeker, 1847: 162 (Indonesia).
Pseudoscarus frontalis Macleay, 1883a: 590 (New Guinea; secondarily preoccupied by *Scarus frontalis* Val. 1840).
Pseudoscarus jordani Jenkins, 1901: 63, fig. 21 (Honolulu).
Scarus paluca Jenkins, 1901: 60, fig. 18 (Honolulu).
Scarus calus Fowler, 1904: 542, pl. 21 (Indonesia).
Callyodon macleayi Jordan & Seale in Seale, 1906: 331 (*nomen novum* for *Pseudoscarus frontalis* Macleay).
Callyodon ruberrimus Jordan & Seale, 1906: 316, fig. 56 (Pago Pago, American Samoa).
Pseudoscarus heliotropinus Bryan, 1906: 23, fig. 3 (Honolulu market, Oahu Id, Hawaiian Ids).
Pseudoscarus rostratus Günther, 1909: 315, pl. 154 (Society Ids).
Callyodon africanus Smith, 1955: 19, pl. 3, fig. 26 (Kenya).

DISTRIBUTION: South Africa to eastern Pacific.

***Scarus russelii* Valenciennes**

Scarus russelii Val., 1840: 234 (Vizagapatam, India).

Xanothon fowleri Smith, 1956b: 5, pl. 42, fig. G (East Africa [Pinda, Mozambique]).

DISTRIBUTION: India, Mozambique, South Africa, Chagos.
REMARKS: *Xanothon fowleri* Smith is a synonym according to Randall and Bruce (1983).

***Scarus scaber* Valenciennes**

Scarus scaber Val., 1840: 239 (Mauritius).
Scarus pectoralis Val., 1840: 269 (Jeddah, Red Sea).
Pseudoscarus flavomaculatus Bliss, 1883: 57 (Mauritius).

DISTRIBUTION: Red Sea to Oman, South Africa, Maldives, Mauritius and Chagos.

***Scarus schlegeli* (Bleeker)**

Pseudoscarus schlegeli Bleeker, 1861b: 242 (Indonesia).
Pseudoscarus pentazona Bleeker, 1861b: 241 (Indonesia).
Scarus cypho Seale, 1901a: 95 (Guam, Mariana Ids).

DISTRIBUTION: western and central Pacific.

***Scarus spinus* (Kner)**

Pseudoscarus spinus Kner, 1868: 31 (Kandavu, Fiji Ids).
Callyodon kelloggii Jordan & Seale, 1906: 327, fig. 62 (Apia, Upolu Id, Western Samoa).

DISTRIBUTION: western Pacific to Micronesia and Samoa.

***Scarus taeniopterus* Desmarest**

Scarus taeniopterus Desmarest in Bory de Saint-Vincent 1831: 244 (Cuba).
Pseudoscarus lineolatus Poey, 1867: 239 (Cuba).
Scarus virginalis Jordan & Swain, 1884: 88 (Cuba).
Scarus bollmani Jordan & Evermann, 1887: 470 (off Pensacola, Florida, Gulf of Mexico, U.S.A.).
Scarus emblematicus Jordan & Rutter, 1897: 122 (Kingston, Jamaica).

DISTRIBUTION: Bermuda, South Florida, West Indies and Caribbean to Brazil.

REMARKS: synonymy from Schultz (1958).

***Scarus tricolor* (Bleeker)**

Scarus tricolor Bleeker, 1847: 164 (Jakarta, Indonesia).
Scarus cyanognathus Bleeker, 1847: 164 (Indonesia).
Callyodon elerae Jordan & Seale, 1907: 31, fig. 11 (Cavite, Luzon Id, Philippines).
Callyodon latifasciatus Seale & Bean, 1907: 237, fig. 7 (Zamboanga, Philippines).
Callyodon viridibusius Fowler & Bean, 1928: 459, pl. 48 (Uki, Bouro Id, Moluccas Ids, Indonesia).
Scarus visayamus Herre, 1933: 22 (Philippines).
Callyodon mus Smith, 1956b: 13, pl. 41, fig. B (Kenya).
Callyodon urbanus Smith, 1959: 272, pl. 42, fig. J; fig. 3 (Shimoni, Kenya).

DISTRIBUTION: Kenya to South Africa, Maldives, Chagos, to western Pacific, Micronesia, Samoa, and Line Ids.

REMARKS: synonymy from Randall and Bruce (1983). *Scarus visayanus* Herre is a new synonym of *tricolor*.

Scarus vetula Bloch & Schneider

Scarus vetula Bloch & Schneider, 1801: 289 (no locality).

Scarus acutus Poey, 1860: 216 (Havana, Cuba).

Scarus superbis Poey, 1860: 218 (Cuba).

Pseudoscarus gnathodus Poey, 1867: 240 (Cuba).

Scarus cuzamilae Bean, 1891: 196, pl. 29, fig. 4 (Cozumel, Yucatán, Mexico).

Scarus nigrescens Meek & Hildebrand, 1928: 743, pl. 72, fig. 2 (Porto Bello, Atlantic coast of Panama).

Scarus roseiventer Fowler, 1944a: 116, pl. 16 (Courtown Key, Caribbean Sea).

DISTRIBUTION: Bermuda, Florida, Gulf of Mexico, West Indies, and Caribbean to Brazil.

REMARKS: synonymy from Schultz (1958) and Randall in Böhlke (1984).

Scarus viridifucatus (Smith)

Callyodon viridifucatus Smith, 1956b: 9, 12, pl. 42, figs. B, I (Shimoni, Kenya).

Callyodon malindiensis Smith, 1956b: 9, 13, pl. 45H (Malindi, Kenya).

DISTRIBUTION: Kenya to Maldives, Chagos, and Indonesia.

Scarus xanthopleura Bleeker

Scarus xanthopleura Bleeker, 1853d: 499 (Indonesia).

Scarus atropectoralis Schultz, 1958: 79, pl. 15, fig. A (Buka Id, Sulawesi [Celebes], Indonesia).

DISTRIBUTION: western Pacific to Palau and Marshall Ids.

REMARKS: synonymy from Randall (1997).

Scarus zufar Randall & Hoover

Scarus zufar Randall & Hoover, 1995: 684, pl. 1 (Oman).

DISTRIBUTION: southern Oman.

Scarus sp 1

Scarus sp. Winterbottom et al., 1989: 59, fig. 368.

DISTRIBUTION: Chagos Archipelago.

REMARKS: The 205 mm SL specimen from Peros Banhos was examined by the second author, but he was unable to identify it with any species presently known.

Scarus sp 2

DISTRIBUTION: Andaman Sea and Sumatra.

REMARKS: to be described by M. Westneat, U. Satapoomin, and J.E. Randall.

Genus *Sparisoma* Swainson

Sparisoma Swainson, 1839: 172, 227 (type-species, *Scarus abildgaardii* Bloch, [= *Sparisoma chrysopterum*] by monotypy; proposed as a subgenus).

Scarus Bleeker (*nec* Forsskål), 1849: 4, 9, 42, 44 (type-species, *Labrus cretensis* Linnaeus, by subsequent designation).

Callyodontichthys Bleeker, 1861b: 230 (type-species, *Scarus flavescens* Bleeker by subsequent designation).

Euscarus Jordan & Evermann, 1896: 416 (type-species, *Labrus cretensis* Linnaeus, by original designation; proposed as a subgenus).

Atlantic; 9 species (Randall, 1990; Cervigón et al., 1993).

Sparisoma atomarium (Poey)

Scarus atomarius Poey, 1861: 423 (Havana, Cuba).

DISTRIBUTION: Bermuda, Florida, Gulf of Mexico, West Indies, Honduras to northern South America.

REMARKS: Validity shown by Randall (1965b).

Sparisoma aurofrenatum Valenciennes

Scarus aurofrenatus Val., 1840: 191 (Santo Domingo).

Scarus miniofrenatus Poey, 1861: 379, 393 *nomen novum* for *Scarus aurofrenatus* Valenciennes.

Scarus distinctus Poey, 1861: 423 (Havana, Cuba).

Scarus erythrinoides Guichenot, 1865: 10 (Santo Domingo).

Scarus oxybrachius Poey, 1868: 342 (Havana, Cuba).

DISTRIBUTION: Bermuda, Florida, West Indies, Caribbean, Central America to Brazil.

Sparisoma chrysopterum (Bloch & Schneider)

Sparus abildgaardii Bloch, 1791: 22, pl. 259 (St. Croix Id, Virgin Ids, West Indies).

Scarus chrysopterus Bloch & Schneider, 1801: 286, pl. 57 (American Seas).

Scarus chloris Bloch & Schneider, 1801: 289 (Cuba).

Scarus flavescens Bloch & Schneider, 1801: 290 (Cuba).

?*Scarus virens* Val., 1840: 203 (Martinique Id).

Scarus squalidus Poey, 1860: 218 (Cuba).

Scarus lateralis Poey, 1860: 219 (Cuba).

Scarus brachialis Poey, 1861: 345 (Cuba).

Scarus maschalespilos Bleeker, 1862c: 127 (Suriname).

Sparisoma lorito Jordan & Swain, 1884: 95 (Cuba).

Sparisoma elongatum Meek & Hildebrand, 1928: 757, pl. 74, fig. 2 (market at Panama City, Panama; specimen probably caught on Atlantic side of Panama).

DISTRIBUTION: Bermuda, Florida, West Indies, Central America to Brazil.

REMARKS: Rodrigo L. Moura and J.E. Randall have prepared a petition to the International Commission of Zoological Nomenclature (Case 3051) to reject the name *Sparisoma abildgaardii* in order to conserve *Sparisoma chrysopterum*. They discovered that the true

abildgaardi is not the initial phase of *viride*, as generally accepted (Randall, 1990), but an older name for *chrysopterum*. *Scarus virens* is a probable synonym of *S. chrysopterum* (Randall, 1990).

Sparisoma cretense (Linnaeus)

Labrus cretensis Linnaeus, 1758: 282 (Crete).
Labrus xantherythrus Rafinesque 1810a: 40 (Sicily).
Scarus canariensis Valenciennes, 1838: pl. 17, fig. 2 (Canary Ids).
Scarus rubiginosus Val., 1840: 171 (Canary Ids; Madeira).
Scarus mutabilis Lowe, 1838: 187 (Madeira).
Scarus siculus Cocco, 1846: 748 (Sicily, Italy).
Scarus rubiginoides Guichenot, 1865: 8 (Canary Ids).

DISTRIBUTION: Mediterranean (sporadic) and eastern Atlantic from Portugal to Senegal.

REMARKS: the description of *Scarus canariensis* was published after the plate (Valenciennes, 1843: 68).

Sparisoma griseorubra Cervigón

Sparisoma griseorubra Cervigón, 1982: 5 (Coast of Sur de la isla de Cubagua, Venezuela).

DISTRIBUTION: apparently known only from the type locality (Cervigón et al., 1993).

Sparisoma radians (Valenciennes)

Scarus radians Val., 1840: 206 (Mexico).
Scarus lacrimosus Poey, 1861: 422 (Havana, Cuba).
Callyodontichthys bleekeri Steindachner, 1863a: 1111, pl. 24, figs 2-2b (Bahia, Brazil).
Sparisoma cyanolene Jordan & Swain, 1884: 98 (Key West, Florida, U.S.A.).
Sparisoma xystrodon Jordan & Swain, 1884: 99 (Key West, Florida, U.S.A.).
Scarus hoplomystax Cope, 1871: 462 (St. Martin, W.I.).
Sparisoma niphobles Jordan & Bollmann, 1889: 551 (Green Turtle Cay, Bahamas).
Sparisoma abbotti Fowler, 1915b: 258, fig. 2 (St. Vincent Id, West Indies).
?Scaridea octodon Fowler, 1928: 368, fig. 59 ("Hawaiian Ids"; type locality evidently erroneous).

DISTRIBUTION: Bermuda, North Carolina to Florida, Bahamas, Antilles, Central America to Venezuela.

Sparisoma rubripinne (Valenciennes)

Scarus rubripinnis Val., 1840: 199 (Santo Domingo).
?Scarus circumnotatus Poey, 1861: 423 (Cuba).
Scarus spinidens Guichenot, 1865: 15 (Bahia, Brazil; preoccupied by *Scarus spinidens* Quoy & Gaimard 1824 [= *Calotomus spinidens* (Quoy & Gaimard)]).
Scarus truncatus Poey, 1868: 339 (Havana, Cuba).
?Scarus emarginatus Poey, 1868: 340 (Havana, Cuba).
Scarus (Scarus) axillaris Steindachner, 1878: 384, pl. 3, fig. 1 ("probably coast of North Australia" [evidently an error]).

Sparisoma rhomaleum Meek & Hildebrand, 1928: 754, pl. 74, fig. 1 (Colón market, (Atlantic) Panama).

Sparisoma pachycephalum Longley in Longley & Hildebrand, 1941: 215, pl. 28, fig. 2 (Tortugas, Florida, U.S.A.; new name for *Sparisoma flavescens* (nec Bloch & Schneider) Jordan & Swain, 1884).

DISTRIBUTION: Bermuda, North Carolina to Florida, West Indies, Central America to Brazil; also eastern Atlantic from Senegal to Gulf of Guinea.

REMARKS: *Scarus circumnotatus* and *Scarus emarginatus* are doubtful synonyms (Randall, 1990).

Sparisoma strigatum (Günther)

Scarus strigatus Günther, 1862: 212 (no locality [probably St. Helena]).

DISTRIBUTION: St. Helena (eastern Atlantic).

Sparisoma viride (Bonnaterre)

Scarus viridis Bonnaterre, 1788: 96, pl. 50, fig. 193 (Bahamas).

Scarus coccineus Bloch & Schneider, 1801: 289 (Cuba).
Scarus catesby Lacepède, 1802: 4, 16 (Carolina, U.S.A.).
Sparus aureoruber Lacepède, 1802: 56 (Martinique Id).
Scarus frondosus Agassiz in Spix and Agassiz, 1829: 98, pl. 54 (Bahia, Brazil).
Scarus amplus Ranzani, 1842: 324, pl. 25 (Brazil).
Scarus melanotis Bleeker, 1862c: 126 (St. Croix Id, W.I.).

DISTRIBUTION: Bermuda, Florida, Gulf of Mexico, West Indies, and Central America to Brazil.

NON-LABROID FISHES ORIGINALLY DESCRIBED IN LABROID GENERA

Ctenolabrus ? knoxi Hutton, 1873 = *Girella tricuspidata* Quoy & Gaimard, Kyphosidae (B. Russell, 1996).

Julis horsfieldii Valenciennes, 1839 = *Labracinus cyclophthalmus* (Möller & Troschel), Pseudochromidae (Gill & Randall, 1999).

Labrus ciavolus Rafinesque 1810 = *Spicara maena* (Linnaeus), Centranchthidae.

Labrus loeflingii Walbaum, 1792 = unidentifiable serranid.

Labrus spinosus Mitchell, 1814 = *Trachinotus falcatus* (Linnaeus), Carangidae (C. L. Smith, pers. comm.).

Scarus maxillosus Zouiew (1782: 230 (Mediterranean and Red Sea; does not correspond with any known labrid or scarid species).

SPECIES INCERTAE SEDIS

LABRIDAE

- Coryphaena virens* Linnaeus, 1766: 448 (Asiatic Sea). Wheeler (1991) examined the probable holotype in the Zoological Museum of the University of Uppsala and regarded it as an undetermined *Hemipteronotus* (= *Xyrichtys*). If the locality indicated by Linnaeus is correct, then this fish is unlikely to be the Atlantic-Mediterranean species *Xyrichtys novacula* (Linnaeus) as proposed by some authors. This Linnean name should be regarded as a *nomen oblitum*.
- Crenilabrus chrysophrus* Risso, 1827: 319 (Nice); type lost (Bauchot, 1963). This species is an unidentifiable *Symphodus*; the synonymy with *Symphodus mediterraneus* (Linnaeus) proposed by Carus (1893) was not confirmed.
- Crenilabrus intermedius*, *C. serranoides*, & *C. serranus* described by Gulia, 1861: 14, 15 (Malta) are unidentifiable *Symphodus*.
- Julichthys inornata* De Vis, 1885: 884 (Great Barrier Reef, Australia). The dorsal-fin count of 11 spines and 11 soft-rays and the 2 anal-fin spines given for this species by De Vis do not match any labrid fish known from the Great Barrier Reef. The description of the colour, in particular the mention of dark brown dots posteriorly on the body, suggests that De Vis may have had a female *Halichoeres chloropterus* (Bloch). With no type extant to check the dorsal-fin count (as well as the count of 2 anal spines), we assume these counts were in error or aberrant.
- Julis (Julis) girardi* Bleeker, 1858-59a: 168 (Boleling, northern Bali, Indonesia). Bleeker described the genus *Pseudojulis* principally from the lack of a canine tooth at the corner of the mouth of *Julis girardi*. Randall (1978) redescribed the holotype of the type-species of the genus, *Pseudojulis girardi*, BMNH 1864.5.15.13, 67.5 mm SL. He noted that there is no canine tooth at the corner of the mouth of *Halichoeres bimaculatus* Rüppell, (type-species of *Halichoeres* and now a junior synonym of *H. zeylonicus*), at a length of 115 mm SL or less. Nor could he find any differences in external morphology of *P. girardi* and *H. zeylonicus*. The unusual striped pattern of Bleeker's illustration of *P. girardi* in Atlas Ichthyologique (1862), vol. 1, pl. 33, fig. 3, with a narrow dark mid-lateral stripe on the body curving dorsally on the head behind the eye would seem species specific. However, extensive collecting in Indonesia by the second author and colleagues has failed to yield any labrid fish with this colour pattern. Randall (1978) noted that no trace of the dark stripe remains on the holotype of *P. girardi*, but the triangular blackish spot still persists at the upper base of the pectoral fin. We now believe that *P. girardi* is the initial phase of *H. zeylonicus* or its Pacific counterpart, *H. hartzfeldii* (Bleeker), both of which occur in Indonesia (Rudie H. Kuitert, pers. comm.), that the stripe of the holotype of *P. girardi* was yellow or orange in life, hence did not persist in preservative, and that it was inaccurately portrayed as curving upward on the head. All of the meristic data of the holotype of *P. girardi* fit the modal data of *H. zeylonicus* and *H. hartzfeldii*.
- Julis pavoninus* Val., 1839: 483 (no locality [East Indies]; based on a drawing of Renard, this species is an unidentifiable *Halichoeres* [Pietsch, 1995]).
- Labrus citrinus* Walbaum 1792: 261 (Japan; based on *Labrus japonicus* Houttuyn (see below).
- Labrus coromandelicus* Bloch & Schneider 1801: 244 (Tranquebar, India). The fin counts of D IX,10 and A II,12 do not fit any known labrid species.
- Labrus ephippium* Val., 1839: 96 ("Java" [erroneous]). M. Boeseman examined the holotype at the Netherlands Royal Museum of Leyden. He wrote (Bauchot, 1963): "I believe that it represents a species from Atlantic or Mediterranean Sea, even though I am unable to identify it precisely. It appears very similar to *Labrus bergylta* Ascanius, but the lateral line is slightly different (39-40 tubules vs 41-47)".
- Labrus gouanii* Lacepède, 1801: 433, 480 (no locality); an unidentifiable species.
- Labrus japonicus* Houttuyn, 1782: 324 (Japan). The original description of *Labrus japonicus* agrees with no Japanese labrid fish (Mabuchi & Nakabo, 1997). The labrid fish formerly known as *Pseudolabrus japonicus* (Houttuyn) comprises two distinct species, *Pseudolabrus sieboldi* Mabuchi & Nakabo, 1997 and *Pseudolabrus eoethinus* (Richardson, 1846).
- Labrus javensis* Bloch & Schneider 1801: 243 (no locality given). Assuming (from the name) that this fish was from Java, it probably is a species of *Bodianus*. The description may pertain to any of a number of species, although "head scaled" may restrict it to species that have predorsal scales extending to in front of the eye. There are several species of *Bodianus* in the Indonesian region that have this characteristic.
- Labrus lineatus* Walbaum 1792: 247 (no locality; preoccupied by *Labrus lineatus* Bonnaterre, 1788 [= *Labrus mixtus* Linnaeus]). Species unidentifiable.
- Labrus macrolepidotus* Walbaum 1792: 266 (no locality; preoccupied by *Labrus macrolepidotus* Bloch, 1791 (= *Novaculichthys macrolepidotus*); an unidentifiable species based on Gronov. Mus. I n. 86.
- Labrus maculosus* Gronow in Gray 1854: 81 (Indian Ocean); species unidentifiable.
- Labrus malacopterus* Forster 1795: 15 (India); species unidentifiable. Reported by Bloch and Schneider (1801: 286).
- Labrus melanotus* Rafinesque 1810a: 40, pl. 12, fig. 4 (Sicily); regarded by Bonaparte (1846) as *Labrus coeruleus* Risso (= *Labrus merula* Linnaeus) and by Jordan (1890: 617) as a questionable synonym of *Symphodus melanocercus*. Species unidentifiable.
- Labrus perioides* Walbaum 1792: 260 (no locality); unidentifiable.
- Labrus pictus* Gronow in Gray 1854: 80 preoccupied by *Labrus pictus* Bloch & Schneider, 1801 (= *Coris picta*) (Indian Ocean). Günther (1862) placed this species in the genus *PlatyGLOSSUS* (= *Halichoeres*). Species unidentifiable.
- Labrus porcus* Rafinesque, 1810a: 37 (Sicily); regarded as a questionable synonym of *Symphodus melanocercus* by Cocco (Facciola, 1885: 231) or *Labrus viridis* by Jordan (1890: 610); this species remains unidentifiable.
- Labrus quinque maculatus* Bloch, 1792: 10, pl. 291, fig. 2 (Norway); unidentifiable (Quignard, 1966).
- Labrus reticulatus* Walbaum, 1792: 266 (no locality; preoccupied by *Labrus reticulatus* Bonnaterre, 1788 [= *Symphodus*

ocellatus]). Regarded by Jordan (1890: 617) as a questionable synonym of *Symphodus melops*. Species unidentifiable.

Labrus rubiginosus Risso 1827: 306 (Nice); no type; an unidentifiable species of *Symphodus* (Bauchot, 1963).

Labrus scarus Linnaeus, 1758: 282 (Greece; Sicily); unidentifiable (Monod, 1973: 444, footnote 3).

Labrus ?tagiselem Montrouzier, 1857: 469 (Woodlark Id, southwestern Pacific); Fowler (1928: 346) mentioned this imperfectly described species under the account of *Coris angulata* Lacepède (= *Coris aygula* Lacepède).

Labrus tetraodon Bloch & Schneider 1801: 263 (no locality); based on Seba; a species not identifiable as any labrid we know today. It could be a *Chromis* according to Cuvier and Valenciennes (1840: 4).

Labrus tineia Forsskål, 1775: xv (Istanbul, Turkey); species unidentifiable.

Labrus unicolor Bloch & Schneider 1801: 268 (no locality); an unidentifiable labrid with interrupted lateral line.

Labrus variegatus Nardo, 1824b: 253 (Adriatic Sea); preoccupied by *Labrus variegatus* Gmelin, 1789 [= *Labrus mixtus* Linnaeus]. Apparently described independently of Gmelin, 1789; replaced by *Lutjanus manis* Nardo, 1827. An unidentifiable *Symphodus* possibly *melops* or *roissali*.

Leptojulius bimaculatus Kner & Steindachner, 1867: 378 (Chile); possibly a synonym of *Halichoeres dispilus* (Günther).

Lutianus erythrophthalmus Rafinesque, 1810b: 67 (Sicily, Italy); the fin ray counts are consistent with *Ctenolabrus rupestris*, but the description is inadequate to identify this species.

Lutjanus notatus Bloch, 1790: 125, pl. 251, fig. 2 (East Indies); type locality probably erroneous. With 14 dorsal fin spines and 8 soft rays this species might belong to *Symphodus*, as suggested by Valenciennes (1839: 217), who tentatively placed it in *Crenilabrus*. As pointed out by Valenciennes, nothing in the description is diagnostic and the affinities of this species are uncertain.

Xyrichtys virens Val., 1840: 47 ("Tahiti" [?]). Randall (1973) listed this as a valid species from the literature. It was described from a drawing attributed by Valenciennes to Sydney Parkinson (labeled "*Coryphaena virens*") and associated with Captain James Cook's first voyage. The colour described by Valenciennes is similar to that of female *X. pentadactylus*; however this species is not known from oceanic islands of the Pacific, so it may have been collected before the expedition got to the Pacific. Valenciennes did not realize that *Coryphaena virens* was a Linnean taxon presently regarded as an unidentifiable *Xyrichtys* (see above in this section).

SCARIDAE

Callyodon cretensis Bloch, 1789: 246 (?Crete); probably represents *Scarus cretensis* Bloch, 1790: 23, renamed by Valenciennes as *Scarus striatus*, an unidentifiable species.

Pseudoscarus maculiceps Peters, 1876: 443 (Mauritius); unidentifiable species (Randall & Bruce, 1983).

Pseudoscarus obscurus Castelnau, 1875: 41 (Queensland, Australia); unidentifiable species (Choat & Randall, 1986).

Pseudoscarus richardsoni Castelnau, 1875: 42 (Queensland, Australia); unidentifiable species (Choat & Randall, 1986).

Pseudoscarus viridescens Castelnau, 1875: 42 (Queensland, Australia); unidentifiable species (Choat & Randall, 1986).

Scarus caninus Gronow in Gray, 1854: 63 (Mediterranean Sea); unidentifiable species.

Scarus capistratus Val. (ex Kuhl & van Hasselt) in Cuv. & Val., 1840: 239 (Java); unidentifiable species.

Scarus cruentatus Val., 1840: 277 (Ulea, Caroline Ids); unidentifiable species (Randall & Bruce, 1983).

Scarus evermanni Jordan in Jordan & Evermann, 1887: 469 (off Tampa Bay, Florida, U.S.A.; based on a fish from stomach of a predator); a synonym of *Scarus croicensis* according to Schultz (1958); we regard this species as unidentifiable.

Scarus denticulatus Lacepède, 1802: 3, pl. 1, fig. 1 (Indo-Pacific Ocean); unidentifiable species (Randall & Bruce, 1983).

Scarus humeralis Poey, 1861: 422 (Havana, Cuba); unidentifiable (Schultz, 1958).

Scarus kakatoe Lacepède, 1802: 3, 13 (Asiatic Sea, Crete, Syria, Egypt); unidentifiable species.

Scarus lunulatus Val., 1840: 268 (Red Sea); unidentifiable species (Randall & Bruce, 1983).

Scarus maculatus Gronow in Gray, 1854: 63 (no locality); unidentifiable species.

Scarus mentalis Val. (ex Ehrenberg) in Cuv. & Val., 1840: 233 (Red Sea); regarded as unidentifiable by Randall and Bruce (1983); synonymized with *Chlorurus sordidus* by Dor (1984).

Scarus mertensii Val., 1840: 281 (Ulea, Caroline Ids); based on a drawing; unidentifiable (Randall & Bruce, 1983).

Scarus quadrispinosus Val., 1840: 197 (Martinique Id, West Indies). Bauchot and Guibé (1960) considered this species a synonym of *Scarus vetula*. Mme Bauchot looked again at the dried, varnished, dark holotype. She corrected the count of pectoral rays from 11-13 to 14 or 15. She noted that there are only 2 rows of cheek scales. Valenciennes wrote that there was reason to suppose that the fish came from Brazil, but Bauchot (pers. comm.) added that it might also have come from the Pacific. If Brazil is the true locality, the total length given for the specimen, 28 pouces (= 760 mm), would apply to only two western Atlantic species, *Scarus coelestinus* and *Scarus guacamaia*; both of which have the same general morphology, 16 pectoral rays, 6 predorsal scales, and only rarely lack a third row of cheek scales. Lacking information on the colour pattern, and with some doubt of the true locality, this species is unidentifiable.

Scarus rostratus Shaw, 1803: 401 (no locality); unidentifiable species (Swain, 1883: 305).

Scarus striatus Val., 1840: 209 ("Les Indies"); a new name for the unidentifiable species figured and described by Bloch (1790) as *Scarus cretensis*.

Scarus trispinosus Val., 1840: 182 (Brazil); Bauchot and Guibé (1963) regarded the 760mm dried holotype, MNHN B.2041, believed to be from Brazil as unidentifiable.

UNAVAILABLE SPECIES NAMES

- Anarchicas fusellus* Nardo (ex Chierighini), 1847: col. 115 *nomen nudum*; in synonymy of *Labrus giofredi* Risso.
- Callyodon ikan* Montrouzier, 1857: 469 *nomen nudum*, in synonymy of *Labroides dimidiatus* (Valenciennes) (Fowler, 1928: 331).
- Cheilinus aspersus* Kittlitz, 1858: 113 *nomen nudum*, (Lagunor, Micronesia); mentioned by Fowler (1928: 359) under *C. bimaculatus*.
- Cheilinus macrocheilus* Kuhl & van Hasselt, in Cuvier & Valenciennes, 1839: 311 *nomen nudum*; in synonymy of *Tautoga melapterus*.
- Cheilinus reticulatus* Kittlitz, 1858: 113 *nomen nudum*, (Lagunor, Micronesia); mentioned by Fowler (1928: 359) under *C. bimaculatus*.
- Cheilinus signatus* Kittlitz, 1858: 113 *nomen nudum*, (Lagunor, Micronesia); mentioned by Fowler (1928: 359) under *C. bimaculatus*.
- Cheilinus taeniatus* Lacepède, 1802; not found in Lacepède; Smith (1957a: 110) stated: "recorded by Wuitner (1936) from Mauritius. Name that can not be traced."
- Chelinus cheilio* Commerson in Lacepède, 1802: 433; appeared in footnote in the account of *Cheilio auratus*; not available (Eschmeyer et al., 1996).
- Coricus rostratus* var. *punctulatus* Nardo, 1860: 801 *nomen nudum*.
- Coryphaena lineata* Linnaeus, 1758: 448 (Carolina, U.S.A.); Part of description, not a genus and species; it may date to Müller 1776 (Eschmeyer et al., 1997).
- Cossyphus albomaculatus* Gudger, 1929: 517, *nomen nudum*.
- Cossyphus cerulaeus* Johnston, 1891: 35 *nomen nudum*; in synonymy of *Notolabrus tetricus* (Richardson) (Russell, 1988).
- Cossyphus terophorus* Bleeker in Sauvage, 1891: 524 *nomen nudum*; listed in Fishes of Madagascar (Sauvage, 1891) but not treated; Smith (1957a) wrote "...a name that cannot be traced." Perhaps an error for *Cossyphus zosterophorus* Bleeker.
- Crenilabrus elegans* Kuhl & van Hasselt in Cuvier & Valenciennes, 1839: 130 *nomen nudum*; in synonymy of *Cossyphus mesothorax* (Bloch & Schneider, 1801).
- Crenilabrus elegans* DeKay, 1840: 11 (New York, U.S.A.) *nomen nudum*.
- Crenilabrus geoffroyi* var. *variegatus* Risso in Bonaparte, 1846: 84 *nomen nudum*; manuscript name in synonymy of *Crenilabrus roissali* Risso. In his Catalog of fishes, Bonaparte (1846) listed several varieties of labrid fishes from a Risso manuscript. Most of them correspond to the varieties described but not named in the "Histoire naturelle des principales productions de l'Europe meridionale..." (Risso, 1827). The name *variegatus* applies to the description of *Crenilabrus geoffroi* var. I Risso (1827: 315).
- Crenilabrus grassmultra* Nilsson in Bonaparte, 1846: 85 *nomen nudum*; name in synonymy of *Centrolabrus exoletus*.
- Crenilabrus hudsonicus* DeKay, 1840: 11 (New York, U.S.A.); *nomen nudum*.
- Crenilabrus lapina* var. *fasciatus* Risso in Bonaparte, 1846: 83 *nomen nudum*; manuscript name in synonymy of *Crenilabrus mediterraneus* Val.; based on *Crenilabrus lapina* var. I Risso (1827: 314).
- Crenilabrus lapina* var. *unicolor* Risso in Bonaparte, 1846: 83 *nomen nudum*; manuscript name in synonymy of *Crenilabrus mediterraneus* Val.; based on *Crenilabrus lapina* var. II Risso (1827: 314).
- Crenilabrus melops* var. *lugubris* Risso in Bonaparte, 1846: 83, *nomen nudum*; in synonymy of *Symphodus melops*; based on *Crenilabrus melops* var. I (Risso, 1827: 310).
- Crenilabrus melops* var. *superbus* Risso in Bonaparte, 1846: 83 *nomen nudum*; in synonymy of *Symphodus melops*; based on *Crenilabrus melops* var. II (Risso, 1827: 310).
- Crenilabrus massiliensis* var. *tricolor* Risso in Bonaparte, 1843: 85, *nomen nudum*; manuscript name in synonymy of *Acantholabrus palloni*. Name refers to *Crenilabrus massiliensis* var. I described by Risso (1827: 310).
- Crenilabrus tigrinus* var. *rubiginosus* Risso in Bonaparte, 1846: 84, *nomen nudum*; manuscript name in synonymy of *Crenilabrus roissali* Risso.
- Crenilabrus tigrinus* var. *semimaculatus* Risso in Bonaparte, 1846: 84 *nomen nudum*; manuscript name in synonymy of *Crenilabrus roissali* Risso.
- Crenilabrus xanthomelanus* Cocco in Bonaparte, 1846: 84, *nomen nudum*; in synonymy of *Crenilabrus melanocercus* Risso.
- Elops fuscus* Commerson in Cuv. & Val., 1840: 25, *nomen nudum*; name mentioned under *Gomphosus fuscus*.
- Epibulus aureus* Bleeker (ex Kuhl & van Hasselt), 1862f: 75, *nomen nudum*; in synonymy of *Epibulus insidiator*.
- Julis granatinus* Bleeker (ex Kuhl & van Hasselt), 1862f: 115 *nomen nudum*; in synonymy of *Halichoeres poecila*.
- Julis giofredi* var. *argentata* Risso in Bonaparte, 1846: 86, *nomen nudum*; in synonymy of *Julis giofredi* Risso and based on *Julis giofredi* var. I (Risso, 1827: 310).
- Julis giofredi* var. *fuscoviolacea* Risso in Bonaparte, 1846: 86, *nomen nudum*; in synonymy of *Julis giofredi* Risso and based on *Julis giofredi* var. II (Risso, 1827: 310).
- Julis leucostictus* Bleeker, 1862f: 134, *nomen nudum*; in synonymy of *Stethojulis phekadopleura*.
- Julis mediterranea* var. *pallidula* Risso in Bonaparte, 1846: 86, *nomen nudum*; in synonymy of *Julis mediterranea* Risso.
- Julis mediterranea* var. *viridula* Risso in Bonaparte, 1846: 86, *nomen nudum*; in synonymy of *Julis mediterranea* Risso and based on *Julis mediterranea* var. I (Risso, 1827: 310).
- Julis melanops* Reinwardt in Bleeker, 1862f: 145, *nomen nudum*; in synonymy of *Novaculichthys taeniurus*.
- Julis metager* Tickell in Day, 1888: 802, *nomen nudum*; mentioned under *PlatyGLOSSUS metager* Day 1888.
- Julis perlatus* Bleeker, 1862f: 124 *nomen nudum*; in synonymy of *Halichoeres guttatus*.
- Julis speciosus* var. *unicolor* Risso in Bonaparte, 1846: 86, *nomen nudum*, in synonymy of *Julis speciosa* Risso.
- Labrichthys affinis* Döderlein in Steindachner & Döderlein, 1887: 272, *nomen nudum*; in synonymy of *Labrus rubiginosus* Temminck & Schlegel.
- Labrichthys cerulieus* Saville-Kent, 1888: 47, *nomen nudum*; in synonymy of *Notolabrus tetricus* (Richardson) (Russell, 1988).
- Labroides asellinus* Richardson, 1843c: 426, *nomen nudum*.
- Labrus arilca* Richardson, 1848: 131, pl. 55, figs. 5-7 (Australia); not available (Eschmeyer et al., 1997: 139).
- Labrus choirodon* Kuhl & van Hasselt in Bleeker, 1862f: 162, *nomen nudum*; in synonymy of *Choerops macrodon*.
- Labrus coccineus* Forster in Bloch & Schneider, 1801: 264, *nomen nudum*; in synonymy of *Labrus miles* Forster.
- Labrus cyprinaceus* White, 1790: 264, pl.50, (Australia) *nomen nudum*; in synonymy of *Notolabrus gymnogenis* (Günther) Russell (1988).
- Labrus cyprinoides* Labillardière, 1800: 419, *nomen nudum*; in synonymy of *Notolabrus parilus* (Richardson) (Russell, 1988).
- Labrus erythrogaster* Solander in Cuvier & Valenciennes, 1839: 447, *nomen nudum*; name mentioned in the account of *Julis erythrogaster* Valenciennes.
- Labrus foetidus* Nardo (ex Chierighini) 1847: col. 123, *nomen nudum*; in synonymy of *Symphodus tinca* (Linnaeus).
- Labrus formosus* Solander in Lay & Bennett 1839: 66, *nomen nudum*.
- Labrus hemichrysus* Commerson in Lacepède, 1801: 473, *nomen nudum*; listed in synonymy of *Labrus semiruber* Lacepède.
- Labrus lorius* Parkinson in Cuvier & Valenciennes, 1839: 412, *nomen nudum*; mentioned under account of *Julis lunaris*.

Labrus lutescens Bennett, 1832c: 184, *nomen nudum*; in synonymy of *Julis porphyrocephala*.
Labrus lutescens Solander in Richardson, 1846: 260, *nomen nudum*; in synonymy of *Julis lunaris*.
Labrus lutiolus Nardo (ex Chiareghini) 1847: col. 123, *nomen nudum*; in synonymy of *Coricus rostratus* Günther, 1862: 193.
Labrus nasutus Günther, 1862: 193, *nomen nudum*; name on specimen from Tahiti mentioned under *Gomphosus varius*.
Labrus nellus Nardo (ex Chiareghini) 1847: col. 123, *nomen nudum*; in synonymy of *Acantholabrus palloni* Risso, 1810.
Labrus orientalis Hasselquist, 1762: 394; not available, published in a rejected work (International Commission Zoological Nomenclature, Opinion 57).
Labrus pavo var. *elegantissimus* Risso in Bonaparte, 1846: 82 *nomen nudum*; in synonymy of *Labrus mixtus*; name refers to *Labrus pavo* var. I (Risso, 1827:310).
Labrus ornatus Solander in Cuvier and Valenciennes, 1839: 412 *nomen nudum*; mentioned under account of *Julis lunaris*.
Labrus papagalus Nardo (ex Chiareghini) 1847: col. 123, *nomen nudum*; in synonymy of *Labrus viridis* Linnaeus.
Labrus radiatus Hemprich & Ehrenberg, 1899: 8, *nomen nudum*; name mentioned in synonymy of, and preoccupied by, *Labrus radiatus* Linnaeus 1758.
Labrus sachettus Forsskål, 1775: xix, *nomen nudum*.
Labrus saxatilis var. *immaculatus* Risso in Bonaparte, 1846: 82, *nomen nudum*; mentioned in synonymy of *Labrus viridis*.
Labrus scapularis Bleeker, 1862f: 142, *nomen nudum*; in synonymy of *Hemigymnus melapterus*.
Labrus scaruscretic Forsskål, 1775: xix, *nomen nudum*.
Labrus scarusvarius Forsskål, 1775: xix, *nomen nudum*.
Labrus verdutius Nardo (ex Chiareghini) 1847: col. 123, *nomen nudum*; listed as synonym of *Symphodus tinca* (Linnaeus).
Labrus vittatus Forster, in Cuvier and Valenciennes, 1840: 445 *nomen nudum*; mentioned in account of *Julis cyanogaster*.

Novacula plinii Risso in Bonaparte, 1846: 86, *nomen nudum*; in synonymy of *Xyrichtys novacula*.
Pseudoscarus schlegeli Steindachner, in Steindachner & Döderlein, 1887: 277 *nomen nudum*; mentioned in passing under *Pseudoscarus ovifrons*.
Scarus brachyvarius Longley in Longley & Hildebrand, 1941: 212, *nomen nudum*; manuscript name of Poey; in synonymy of *Sparisoma rubripinne* (Randall, 1990).
Scarus coerulescens Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus erythrogeus Bleeker (ex Kuhl & van Hasselt), 1862: 32 *nomen nudum*; in synonymy of *Pseudoscarus nuchipunctatus*.
Scarus gibbosus Kuhl & van Hasselt, in Cuvier & Valenciennes, 1840: 208 *nomen nudum*; in synonymy of *Scarus muricatus*.
Scarus harith Ehrenberg, in Rüppell, 1829: 77, *nomen nudum*.
Scarus lividus Bleeker (ex Kuhl & van Hasselt), 1862: 40, *nomen nudum*; in synonymy of *Pseudoscarus aeruginosus* 1.
Scarus nigricans Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus obscurus Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus ruber Bleeker (ex Kuhl & van Hasselt), 1862: 37, *nomen nudum*; in synonymy of *Pseudoscarus rubroviolaceus*.
Scarus rubronotatus Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus rurk Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus viridis Ehrenberg in Rüppell, 1829: 77, *nomen nudum*.
Scarus viridis Ehrenberg, in Cuvier & Valenciennes, 1839: 231, *nomen nudum*; mentioned in account of *Scarus gibbus*.
Scarus wurk Ehrenberg in Cuvier & Valenciennes, 1840: 246 *nomen nudum*; mentioned in account of *Scarus mastax*.
Sparus prasiophthalmus Richardson (ex Solander), 1843: 24 *nomen nudum*; mentioned in account of *Julis celidotus*.

Table. List of nominal species of Labridae and Scaridae and their present allocations. New synonyms are indicated by an asterisk (*).

Nominal Species: Present Allocation

LABRIDAE

- Julis abhortani* Val., 1839: *Thalassoma trilobatum*
Cheilinus abudjubbe Rüppell, 1835: *Cheilinus abudjubbe*
Labrus acatirostreus Nardo, 1824: *Symphodus rostratus*
Ctenolabrus acutus Val., 1839: *Ctenolabrus rupestris*
Julis adelaidensis Castelnau, 1875: *Ophthalmolepis lineolatus*
Cirrhilabrus adornatus Randall & Kunzmann, 1998: *C. adornatus*
Labrus adpersus Walbaum, 1792: *Tautogolabrus adpersus*
Pseudojulis adustus Gilbert, 1890: *Halichoeres adustus*
Julis aeruginosus Val., 1839: *Thalassoma purpureum*
Labrus aeruginosus Pallas, 1814: *Symphodus roissali*
Halichoeres aestuaricola Bussing, 1972: *H. aestuaricola*
Lachnolaimus aigula Val., 1839: *Lachnolaimus maximus*
Lutjanus alberti Risso, 1810: *Symphodus roissali*
Choerops albigena De Vis, 1885: *Choerodon cyanodus*
Wetmorella albofasciata Schultz & Marshall, 1954:
Wetmorella albofasciata
Thalassoma albolineum Nichols, 1941: *T. quinquevittatum*
Julis albolumbata Schmidt, 1931: *Pseudocoris bleekeri*
Lepidaplois albomaculatus Smith, 1957: *Bodianus axillaris*
Cossyphus albotaeniatus Val., 1839: *Bodianus bilunulatus*
Labrus albovittatus Bonnaterre, 1788: *Stethojulis albovittata*
Lepidaplois aldabrensis Smith, 1955: *Bodianus diana*
Dotalabrus alleni Russell, 1988: *Dotalabrus alleni*
Labropsis alleni Randall, 1981: *Labropsis alleni*
PlatyGLOSSUS alternans Cartier, 1874: *Halichoeres scapularis*
Xyrichtys altipinnis Rüppell, 1835: *Novaculichthys taeniourus*
* *PlatyGLOSSUS amabilis* De Vis, 1885: *Halichoeres nigrescens*
Choerodon ambiguus Ogilby, 1910: *Choerodon venustus*
Julis amblycephalus Bleeker, 1856: *Thalassoma amblycephalum*
Anampses amboinensis Bleeker, 1857: *A. meleagrides*
Duymaeria amboinensis Bleeker, 1856: *Pteragogus enneacanthus*
Julis amboinensis Bleeker, 1856: *Halichoeres solorensis*
Labrus americanus Bloch & Schneider, 1801: *Tautoga onitis*
Sparus anchorago Bloch, 1791: *Choerodon anchorago*
Julis aneitensis Günther, 1862: *Thalassoma lutescens*
Novacula aneitensis Günther, 1862: *Xyrichtys aneitensis*
Coris angulatus Lacepède, 1801: *Coris aygula*
Paracheilinus angulatus Randall & Lubbock, 1981: *P. angulatus*
Eupetrichthys angustipes Ramsay & Ogilby, 1888: *E. angustipes*
Julis annularis Val., 1839: *Halichoeres marginatus*
Halichoeres annulatus Fowler, 1904: *Halichoeres miniatus*
* *Julis annulatus* Val., 1839: *Hologymnosus doliatus*
Labrus annulatus Lacepède, 1801: *Hologymnosus annulatus*
Crenilabrus anthioides Bennett, 1832: *Bodianus anthioides*
Labrus aper Retzius, 1800: *Labrus bergylta*
Labrus aper Val., 1846: *Semicossyphus darwini*
Conniella apterygia Allen, 1983: *Conniella apterygia*
Macropharyngodon aquilolo Jenkins, 1901: *M. geoffroy*
Trichopus arabicus Shaw, 1803: *Thalassoma lunare*
Labrus arago Quoy & Gaimard, 1824: *N. macrolepidotus*
Julis aran Montrouzier, 1856: *Thalassoma trilobatum*
Crenilabrus arcuatus Risso, 1827: *Symphodus roissali*
Cheilinus arenatus Val., 1840: *Oxycheilinus arenatus*
Coris argenteostriata Steindachner, 1900: *Coris ballieui*
Crenilabrus argenteostriatus Nordmann, 1840:
Symphodus ocellatus
Xyrichtys argentimaculata Steindachner, 1861: *X. novacula*
Labrus argus Bloch & Schneider, 1801: *Halichoeres argus*
Pseudojulis argyreogaster Playfair & Günther, 1867:
Pseudojuloides argyreogaster
Suezichthys arquatus Russell, 1985: *Suezichthys arquatus*
- Labrus ascanii* Shaw, 1803: *Symphodus melops*
Julis ascensionis Quoy & Gaimard, 1834:
Thalassoma ascensionis
Pseudocheilinos ataenia Schultz, 1960: *P. ataenia*
Pseudojuloides atavai Randall & Randall, 1981: *P. atavai*
Coris atlantica Günther, 1862: *Coris atlantica*
Cossyphus atrolumbus Val., 1839: *Bodianus perditio*
Lepidaplois atrorubens Jordan [EK], 1925: *Bodianus bilunulatus*
Paracheilinus attenuatus Randall, 1999: *P. attenuatus*
Cheilinus aurantiacus Castelnau, 1872: *Dotalabrus aurantiacus*
Crenilabrus aurantiacus Cocco in Facciola, 1885?:
Symphodus ocellatus
Crenilabrus aurantiacus Facciola, 1888: *Lappanella fasciata*
Cirrhilabrus aurantidorsalis Allen & Kuitert, 1998:
Cirrhilabrus aurantidorsalis
Pseudocoris aurantiofasciatus Fourmanoir, 1971:
Pseudocoris aurantiofasciata
Cheilio auratus Lacepède, 1802: *Cheilio inermis*
Labrus aureomaculatus Bennett [JW], 1830: *Coris aygula*
Julis auricularis Val., 1839: *Coris auricularis*
Cossyphus aurifer De Vis, 1884: *Bodianus perditio*
Ctenolabrus aurigarius Richardson, 1845:
Pteragogus aurigarius
Coris aurilineata Randall & Kuitert, 1982: *Coris aurilineata*
* *Julis auritus* Val., 1839: *Halichoeres trimaculatus*
Labrichthys australis Steindachner, 1866:
Pseudolabrus guentheri
Labropsis australis Randall, 1981: *Labropsis australis*
Torresia australis Castelnau, 1875: *Choerodon schoenleinii*
Julis awayae Schmidt, 1931: *Pseudocoris yamashiroi*
Cossyphus axillaris Val., 1839: *Bodianus axillaris*
Julis axillaris Quoy & Gaimard, 1824: *Stethojulis balteata*
Labrus axillaris Bennett, 1832: *Bodianus axillaris*
Coris aygula Lacepède, 1801: *Coris aygula*
Suezichthys aylingi Russell, 1985: *Suezichthys aylingi*
Julis azorensis Fowler, 1919: *Coris julis*
Choerops azurio Jordan & Snyder, 1901: *Choerodon azurio*
* *Labrus baccatus* de Procé 1822: *Halichoeres nigrescens*
Labrus badius Walbaum 1792: *Labrus mixtus*
Platychoerops badius Ogilby, 1893: *Achoerodus gouldii*
Crenilabrus bailloni Val., 1839: *Symphodus bailloni*
Labrus balanus Fleming, 1828: *Labrus bergylta*
Hemipteronotus baldwini Jordan & Evermann, 1903:
Xyrichtys baldwini
Choerodon balerensis Herre, 1950: *Choerodon fasciatus*
Labrus ballan Bonnaterre, 1788: *Labrus bergylta*
Labrus ballan Walbaum 1792: *Labrus bergylta*
Labrus ballanus Shaw, 1803: *Labrus bergylta*
Coris ballieui Vaillant & Sauvage, 1875: *Coris ballieui*
Julis ballieui Vaillant & Sauvage, 1875: *Thalassoma ballieui*
Cirrhilabrus balteatus Randall, 1988: *Cirrhilabrus balteatus*
Julis balteatus Quoy & Gaimard, 1824: *Stethojulis balteata*
Julis bandanensis Bleeker, 1851: *Stethojulis bandanensis*
Iridio bathyphilus Beebe & Tee-Van, 1932: *Halichoeres bathyphilus*
Julis batuensis Bleeker, 1856: *Coris batuensis*
Sparus batus Perry, 1811: *Cheilinus fasciatus*
Paracheilinus bellae Randall, 1988: *Paracheilinus bellae*
Cossyphus bellis Ramsay & Ogilby, 1887: *Bodianus unimaculatus*
Julis beraber Montrouzier, 1857: *Hemigymnus melapterus*
Thalassoma berendti Seale, 1901: *Thalassoma purpureum*
Labrus bergsnyltruus Lacepède, 1801: *Ctenolabrus rupestris*
Labrus bergylta Ascanius, 1767: *Labrus bergylta*
Crenilabrus bertini Pras, 1961: *Symphodus ocellatus*
Julis bicatenatus Bennett, 1832: *Thalassoma trilobatum*

- Labroides bicincta* Saville-Kent, 1893: *Labroides dimidiatus*
Cheilio bicolor Bianconi, 1857: *Cheilio inermis*
Cossyphus bicolor Liénard in Sauvage, 1891: *Bodianus anthioides*
Julis bicolor Günther, 1862: *Thalassoma genivittatum*
- * *Labrichthys bicolor* Day, 1871: *Hemigymnus melapterus*
Labroides bicolor Fowler & Bean, 1928: *Labroides bicolor*
Labrus bicolor Bloch & Schneider, 1801: *Halichoeres bicolor*
Labrus bidens Nardo, 1924: *Symphodus mediterraneus*
Lutjanus bidens Bloch, 1790: *Symphodus mediterraneus*
Cheilinus bifasciatus Bleeker, 1871: *Oxycheilinus bimaculatus*
Labrus bifasciatus Bloch, 1791: *Thalassoma bifasciatum*
Labrus bifasciatus var *torquatus* Bloch & Schneider, 1801:
Thalassoma bifasciatum
PlatyGLOSSUS bifasciatus Steindachner, 1866: *Halichoeres bicolor*
Julis bifer Lay & Bennett, 1839: *Novaculichthys taeniourus*
Suezichthys bifurcatus Russell, 1986: *Suezichthys bifurcatus*
Thalassoma bilateralis von Bonde, 1934: *Hemigymnus fasciatus*
PlatyGLOSSUS bilineatus Karoli, 1882: *Halichoeres bicolor*
Labrus bilunulatus Lacepède, 1801: *Bodianus bilunulatus*
Iridio bimaculata Wilson, 1916: *Halichoeres aestuaricola*
Bodianus bimaculatus Allen, 1973: *Bodianus bimaculatus*
Cheilinus bimaculatus Val., 1840: *Oxycheilinus bimaculatus*
Halichoeres bimaculatus Rüppell, 1835: *H. zeylonicus*
LeptoJulis bimaculatus Kner & Steindachner, 1867:
nomen dubium
Xyrichtys bimaculatus Rüppell, 1829: *Xyrichtys bimaculatus*
Xyrichtys binghami Mowbray, 1925: *Xyrichtys novacula*
Julis binotopsis Bleeker, 1849: *Halichoeres binotopsis*
Halichoeres biocellatus Schultz, 1960: *H. biocellatus*
Macropharyngodon bipartitus Smith, 1957: *M. bipartitus*
Macropharyngodon bipartitus marisrubri Randall, 1978:
M. bipartitus
Labrichthys biserialis Klunzinger, 1880: *Pseudolabrus biserialis*
Cheiliopsis bivittatus Steindachner, 1863: *Bodianus opercularis*
Labrus bivittatus Bloch, 1791: *Halichoeres bivittatus*
Novaculichthys blanchardi Cadenat & Marchal, 1963:
Xyrichtys blanchardi
Cirrhilabrus blatteus Springer & Randall, 1974: *C. blatteus*
Hemigymnus bleasdalei Castelnau, 1875: *Pictilabrus laticlavus*
Coris bleekeri Hubrecht, 1876: *Pseudocoris bleekeri*
Halichoeres bleekeri Günther, 1861: *Halichoeres chloropterus*
Labrichthys bleekeri Castelnau, 1872: *Notolabrus tetricus*
PlatyGLOSSUS bleekeri Steindachner & Döderlein, 1887:
Halichoeres bleekeri
Bodianus blochii Lacepède, 1802: *Bodianus rufus*
- * *Cheilinus blochii* Val., 1840: *Cheilinus chlorourus*
Julis blochii Val., 1839: *Thalassoma hebraicum*
Thalliurus blochii Swainson, 1839: *Cheilinus chlorourus*
Bodianus bodianus Bloch, 1790: *Bodianus rufus*
Doratonotus boekei Metzelaar, 1919: *D. megalepis*
Odax borbonicus Val., 1840: *Pseudodax moluccanus*
Crenilabrus boryanus Risso, 1827: *Symphodus mediterraneus*
Julis boryii Lesson, 1831: *Hemigymnus melapterus*
Labrichthys bostockii Castelnau, 1873: *Notolabrus parilus*
Labrus botryocosmus Richardson, 1846: *Notolabrus celidotus*
Lepidaplois bourboni Fourmanoir & Guézé, 1961:
Bodianus leucosticticus
Cossyphus boutoni Liénard in Sauvage, 1891:
Bodianus anthioides
Sparus brachiatus Shaw, 1803: *Thalassoma trilobatum*
Sparus brachion Lacepède, 1802: *Novaculichthys taeniourus*
- * *Bodianus brachyrhynchus* Mira-Ribeiro, 1918: *Bodianus rufus*
Coricus brama Nordmann, 1840: *Symphodus rostratus*
Ctenolabrus brandaonis Steindachner, 1867:
Tautogolabrus brandaonis
Labrus brasiliensis Bloch, 1791: *Halichoeres radiatus*
Pictilabrus brauni Hutchins & Morrison, 1996: *P. brauni*
Choerops brenchleyi Günther, 1872: *Choerodon zosterophorus*
Choerophilus brownfieldi Whitley, 1945: *Halichoeres brownfieldi*
Lutjanus brunnichii Lacepède, 1802: *Symphodus mediterraneus*
Coris bulbifrons Randall & Kuitert, 1982: *Coris bulbifrons*
Labrus burgall Schöpf, 1788?: *Tautogolabrus adspersus*
Iniistius cacatua Waite, 1901: *Xyrichtys pavo*
Tautoga caerulea Mitchell, 1814: *Tautogolabrus adspersus*
Harpe caeruleoaurus Lacepède, 1802: *Bodianus rufus*
Julis caeruleocephalus Cuvier, 1829: *Thalassoma duperrey*
Labroides caeruleolineatus Fowler, 1945: *Labroides dimidiatus*
Duymaeria caeruleomaculata Günther, 1862:
Pteragogus flagellifer
Thalassoma caeruleomarginata Fowler, 1944: *T. lucasanum*
Anampses caeruleopunctatus Rüppell, 1829:
Anampses caeruleopunctatus
Hemipteronotus caeruleopunctatus Yu, 1968: *Xyrichtys verrens*
Halichoeres caeruleovittatus Rüppell, 1835: *H. scapularis*
Centrolabrus caeruleus Azevedo, 1999: *C. caeruleus*
Crenilabrus caeruleus Risso, 1827: *Symphodus melanocercus*
Frontilabrus caeruleus Randall & Condé, 1989: *F. caeruleus*
Gomphosus caeruleus klunzingeri Klausewitz, 1962:
Gomphosus caeruleus
Gomphosus caeruleus Lacepède, 1801: *G. caeruleus*
Halichoeres californicus Günther, 1861: *OxyJulis californica*
Labrus caliophthalmus Rafinesque 1810?: *Symphodus tinca*
- * *Cheilinus calophthalmus* Playfair & Günther, 1867:
Cheilinus oxycephalus
Crenilabrus caninus Lowe, 1839: *Bodianus scrofa*
Lachnolaimus caninus Cuvier, 1829: *Lachnolaimus maximus*
- * *Trochocopus canis* Philippi, 1887: *Semicossyphus darwini*
Julis cantori Bleeker, 1861: *Halichoeres bicolor*
Labrus capistratus Pallas, 1814: *Symphodus roissali*
Novacula carneoflava Peters, 1877: *Xyrichtys pavo*
Labrus carneus Ascanius, 1772: *Labrus mixtus*
Labrus carolinus Bonnaterre, 1788: *Tautoga onitis*
Paracheilinus carpenteri Randall & Lubbock, 1981:
Paracheilinus carpenteri
Sparus carudse Lacepède, 1802: *Ctenolabrus rupestris*
Chaerophilus castaneus Kner & Steindachner, 1867:
Labrichthys unilineatus
Julis casturi Bleeker, 1852: *Stethojulis trilineata*
Stethojulis casturi Günther, 1881: *Stethojulis trilineata*
Julis caudalis Poey, 1860: *Halichoeres caudalis*
Labrichthys caudavittatus Steindachner, 1898:
Suezichthys caudavittatus
Julis caudimacula Quoy & Gaimard, 1834: *Coris caudimacula*
Choerodon cauteroma Gomon & Allen, 1987: *C. cauteroma*
Novacula celebica Bleeker, 1856: *Xyrichtys celebicus*
Cheilinus celebicus Bleeker, 1853: *Oxycheilinus celebicus*
Julis (Julis) celebicus Bleeker, 1855: *Thalassoma lunare*
Labrus celidotus Bloch & Schneider, 1801: *Notolabrus celidotus*
Labrus centiquadrus Lacepède, 1801: *Halichoeres hortulanus*
Coris centralis Randall, 1999: *Coris centralis*
Gomphosus cepedianus Val., 1840: *Gomphosus varius*
Novacula cephalotaenia Bleeker, 1854:
Novaculichthys taeniourus
Chaerops cephalotes Castelnau, 1875: *Choerodon cephalotes*
Cheilinus ceramensis Bleeker, 1852: *Oxycheilinus bimaculatus*
Pseudojulis cerasina Snyder, 1904: *Pseudojuloides cerasinus*
Labrichthys ceruleus Saville-Kent, 1897: *Notolabrus tetricus*
Labrus cettii Rafinesque 1810: *Coris julis*
Crenilabrus chabrolii Lesson, 1830: *Bodianus macrourus*
Halichoeres chierchiae Caporiacco, 1947: *H. chierchiae*
Labrus chinensis Linnaeus 1758: *Centrolabrus exoletus*
Halichoeres chlorocephalus Kuitert & Randall, 1995:
Halichoeres chlorocephalus
Labrus chlorocephalus Bloch & Schneider 1801:
Stethojulis interrupta
Labrus chlorodus Gray, 1854: *Choerodon anchorago*
Labrus chlorophthalmus Rafinesque 1810?: *Symphodus tinca*
Labrus chloropterus Bloch, 1791: *Halichoeres chloropterus*
- * *Lutjanus chlorosochrus* Risso, 1810: *Symphodus mediterraneus*
Anampses chlorostigma Val., 1840: *A. caeruleopunctatus*

- Sparus chlorourus* Bloch, 1791: *Cheilinus chlorourus*
Macropharyngodon choati Randall, 1978: *M. choati*
Labrus chogset Mitchell, 1815: *Tautogolabrus adpersus*
Labrus chogset var *fulva* Mitchell, 1815: *Tautogolabrus adpersus*
Anampses chrysocephalus Randall, 1958: *A. chrysocephalus*
Crenilabrus chrysophrus Risso, 1827: *nomen dubium*
Labrus chrysostoma Rafinesque 1810?: *Symphodus tinca*
Julis chrysotaenia Bleeker, 1853: *Halichoeres melanurus*
Leptojulius chrysotaenia Randall & Ferraris, 1981:
Leptojulius chrysotaenia
Halichoeres chrysus Randall, 1981: *Halichoeres chrysus*
Labrichthys cincta Hutton, 1877: *Notolabrus cinctus*
Julis cinctus Poey, 1860: *Halichoeres garnoti*
Labrus cinereus Bonnaterre, 1788: *Symphodus cinereus*
Labrus cinereus Pallas, 1814: *Ctenolabrus rupestris*
Julis cingulata Quoy & Gaimard, 1834: *Thalassoma hebraicum*
Cheilinus cingulatus Weber, 1913: *Oxycheilinus unifasciatus*
Labrus cingulum Lacepède, 1801: *Coris aygula*
Labrus citrinus Walbaum 1792: *nomen dubium*
Pseudocheilinus citrinus Randall, 1999: *P. citrinus*
Sparus claviera Lacepède, 1802: *Labrus mixtus*
Julis clepsydralis Smith & Swain, 1882: *Thalassoma duperrey*
Cheilinus coccineus Rüppell, 1828: *Oxycheilinus digramma*
Labrus coeruleus Ascanius, 1772: *Labrus mixtus*
Halichoeres coeruleo-vittatus Rüppell, 1835: *H. scapularis*
Labrus coeruleovittatus Bonnaterre, 1788:
Symphodus mediterraneus
Labrus comber Bonnaterre, 1788: *Labrus bergylta*
Labrus comber Gmelin, 1789: *Labrus bergylta*
Labrus comber Walbaum, 1792: *Labrus bergylta*
Cheilinus commersoni Bennett, 1832: *Oxycheilinus digramma*
Julis commersoni Val., 1839: *Thalassoma genivittatum*
Choerops concolor De Vis, 1885?: *Choerodon cyanodus*
Cirrhilabrus condei Allen & Randall, 1996: *C. condei*
Labrichthys convexus Castelnau, 1875: *Notolabrus parilus*
Labrus cook Bloch & Schneider 1801: *Labrus mixtus*
Hemipteronotus copei Fowler, 1901: *Xyrichtys novacula*
Labrus coquus Gmelin, 1789: *Labrus mixtus*
Labrus coquus Walbaum, 1792: *Labrus mixtus*
Julis corbis Val., 1839: *Halichoeres hortulanus*
Labrus cordelicus Bloch & Schneider 1801: *nomen dubium*
Lutianus core Nardo, 1827?: *Symphodus cinereus*
Julis coris Lesson, 1828: *Thalassoma quinquevittatum*
Julis coris Val., 1839: *Coris aygula*
Lutjanus cornubicus Risso, 1810: *Symphodus cinereus*
Labrus cornubius Gmelin, 1789?: *Symphodus melops*
Coris coronata De Vis, 1885: *Coris batuensis*
Novacula coryphaenoides Schinz in Cuvier, 1822:
Xyrichtys novacula
Novacula coryphena Risso, 1827: *Xyrichtys novacula*
Halichoeres cosmetus Randall & Smith, 1982: *H. cosmetus*
Pseudolabrus cossyphoides Steindachner, 1900: *P. miles*
Lutjanus cotta Risso, 1810: *Symphodus cinereus*
Acantholabrus couchii Val., 1839: *Acantholabrus palloni*
Crenilabrus couchii Val., 1839: *Symphodus melops*
Labrichthys cousteau Estève, 1955: *Larabicus quadrilineatus*
Thalassoma cranei Herre, 1935: *Thalassoma lutescens*
Chaerops crassus Castelnau, 1875: *Choerodon cyanodus*
Labrus crassus Agassiz, 1831?: *Labrus merula*
Crenilabrus croceus Lesson, 1828: *Bodianus macrourus*
Choerophilus crotaphus Poey, 1860: *Halichoeres poeyi*
Julis crotaphus Cuvier, 1829: *Halichoeres radiatus*
Labrichthys cruentatus De Vis, 1885: *Pseudolabrus guentheri*
Polylepion cruentum Gomon, 1977: *Polylepion cruentum*
Pteragogus cryptus Randall, 1981: *Pteragogus cryptus*
Xyrichtys cultratus Val., 1840: *Xyrichtys novacula*
Julis cupido Tem. & Sch., 1845: *Thalassoma cupido*
* *Thalassoma cupido bipunctatum* Vasiliu, 1931: *T. lunare*
Anampses cuvier Quoy & Gaimard, 1824: *Anampses cuvier*
Julis cuvieri Bennett, 1831: *Coris cuvieri*
- Julis cuvieri* Bleeker, 1847: *Halichoeres chloropterus*
Labrichthys cuvieri Castelnau, 1873: *Notolabrus tetricus*
Coris cyanea Macleay, 1883: *Coris aygula*
Paracheilinus cyaneus Kuitert & Allen, 1999: *P. cyaneus*
Xyrichtys cyanifrons Val., 1840: *Xyrichtys cyanifrons*
Xirichthys cyanirostris Guerin-Meneville 1829-38:
Xyrichtys pentadactylus
Labrus cyanocephalus Bloch, 1791: *Halichoeres cyanocephalus*
Cheilio cyanochloris Val., 1839: *Cheilio inermis*
Labrus cyanodus Richardson, 1843: *Choerodon cyanodus*
Julis cyanogaster Val., 1839: *Thalassoma purpureum*
Labrichthys cyanogenys Ramsay & Ogilby, 1887:
Notolabrus tetricus
Julis cyanogramma Richardson, 1850: *Ophthalmolepis lineolatus*
Macropharyngodon cyanoguttatus Randall, 1978:
Macropharyngodon cyanoguttatus
Suezichthys cyanolaemus Russell, 1985: *S. cyanolaemus*
Cheilinoidea cyanopleura Bleeker, 1851: *C. cyanopleura*
Julis cyanopleura Bleeker, 1853: *Leptojulius cyanopleura*
Crenilabrus cyanospilatus Cocco, 1840:
Symphodus melanocercus
Julis cyanostigma Val., 1839: *Halichoeres radiatus*
Cossyphus cyanostolus Richardson, 1846:
Choerodon schoenleinii
Labrichthys cyanotaenia Bleeker, 1854: *Labrichthys unilineatus*
Julis cyanoventor Saville-Kent, 1893?: *Thalassoma lunare*
Verreo cylindriatus Tanaka, 1930: *Bodianus cylindriatus*
Halichoeres cymatogrammus Jordan & Seale, 1905:
Halichoeres scapularis
Halichoeres daedalma Jordan & Seale, 1906: *H. margaritaceus*
Cossyphus darwini Jenyns, 1842: *Semicossyphus darwini*
* *Platygllossus dayi* Steindachner, 1870: *Halichoeres nigrescens*
Xirichthys dea Tem. & Sch., 1845: *Xyrichtys dea*
Coris debueni Randall, 1999: *Coris debueni*
Cheilinus decacanthus Bleeker, 1851: *Cheilinus chlorourus*
Iridio decoratus Bean, 1906: *Halichoeres garnoti*
Doratonotus decoris Evermann & Marsh, 1899: *D. megalepis*
Sparus decussatus Bennett, 1829: *Halichoeres hortulanus*
Halichoeres desmogenys Fowler & Bean, 1928: *H. vrolikii*
Julis detersor Val., 1839: *Thalassoma bifasciatum*
Guntheria devisi Whitley, 1941: *Suezichthys devisi*
Anampses diadematus Rüppell, 1835: *A. caeruleopunctatus*
Labrus diana Lacepède, 1801: *Bodianus diana*
* *Halichoeres dianthus* Smith, 1947: *Halichoeres nigrescens*
Ammolabrus dicrus Randall & Carlson, 1997: *A. dicrus*
Julis dieschismenacanthoides Bleeker, 1853:
Halichoeres papilionaceus
Julis dieschismenacanthus Bleeker, 1852:
Halichoeres papilionaceus
Labrus digramma Lacepède, 1801: *Oxycheilinus digramma*
Cossyphus dimidiatus Val., 1839: *Labroides dimidiatus*
Julis dimidiatus Agassiz in Spix & Agassiz, 1831:
Halichoeres cyanocephalus
Tautoga dimidiatus Bleeker, 1849: *Hemigymnus melapterus*
Harpe diplotaenia Gill, 1862: *Bodianus diplotaenia*
Halichoeres discolor Bussing, 1983: *Halichoeres discolor*
Platygllossus dispilus Günther, 1864: *Halichoeres dispilus*
Pseudocheilinus dispilus Randall, 1999: *P. dispilus*
Chaerops dodecacanthus Bleeker, 1868: *Choerodon robustus*
Symphodus doderleini Jordan, 1890: *Symphodus doderleini*
Platygllossus doleschalli Steindachner, 1863:
Halichoeres papilionaceus
Labrus doliatus Lacepède, 1801: *Hologymnosus doliatus*
Crenilabrus donovani Val., 1839: *Symphodus bailloni*
Labrus donovani Val., 1839: *Labrus bergylta*
Labrus donzella Nardo, 1824?: *Symphodus cinereus*
Labrus donzella Rafinesque 1810?: *Thalassoma pavo*
Julis dorsalis Quoy & Gaimard, 1834: *Thalassoma hardwicke*
Labrichthys dorsalis Macleay, 1881: *Pseudolabrus guentheri*
Coris dorsomacula Fowler, 1908: *Coris dorsomacula*

- Labrus dubbius* Nardo, 1824: *Symphodus ocellatus*
- * *Crenilabrus dubius* Gulia, 1861: *Symphodus ocellatus*
- * *PlatyGLOSSUS dubius* Steindachner, 1866:
Halichoeres nigrescens
Julis duperrey Quoy & Gaimard, 1824: *Thalassoma duperrey*
- * *Julis dussumieri* Val., 1839: *Halichoeres nigrescens*
Labrichthys dux De Vis, 1883: *Pseudolabrus guentheri*
Lachnolaimus dux Val., 1839: *Lachnolaimus maximus*
Cossyphus echis Guichenot, 1869: *Pseudocheilinus hexataenia*
Cossyphus eclancheri Val., 1846: *Bodianus eclancheri*
Labrichthys edelensis Castelnau, 1873: *Notolabrus parilus*
Anampses elegans Ogilby, 1889: *Anampses elegans*
Iridio elegans Bean, 1906: *Halichoeres radiatus*
Julis elegans Val., 1839: *Halichoeres scapularis*
Labrichthys elegans Steindachner, 1883: *Dotalabrus aurantiacus*
Coris elongata Günther, 1862: *Hologymnosus annulatus*
Pseudojuloides elongatus Ayling & Russell, 1977: *P. elongatus*
Crenilabrus enneacanthus Bleeker, 1853:
Pteragogus enneacanthus
Labrus enneacanthus Lacepède, 1801: *Cheilinus fasciatus*
Novaculichthys entargyres Jenkins, 1901: *N. woodi*
Labrus eoethinus Richardson, 1846: *Pseudolabrus eoethinus*
Labrus ehippium Val., 1839: *nomen dubium*
Lutianus eques Nardo, 1827: *Symphodus ocellatus*
PlatyGLOSSUS equinus De Vis, 1885:
Halichoeres margaritaceus
- * *Labrus erithrophthalmus* Walbaum 1792:
Symphodus mediterraneus
Julis erythrogaster Val., 1839: *Thalassoma purpureum*
Labrus erythrogaster Solander in Val., 1839: *nomen nudum*
Lutianus erythrophthalmus Rafinesque, 1810: *nomen dubium*
Pseudojuloides erythropterus Randall & Randall, 1981: *P. erythropterus*
Julis erythropterus Val., 1839?: *Thalassoma hardwicke*
Pseudocheilinus evanidus Jordan & Evermann, 1903: *P. evanidus*
Anampses evermanni Jenkins, 1901: *Anampses cuvier*
Hemipteronotus evides Jordan & Richardson, 1909:
Xyrichtys baldwini
Halichoeres eximius Rüppell, 1835: *Halichoeres hortulanus*
Labrus exoletus Linnaeus, 1758: *Centrolabrus exoletus*
- * *Julis exornatus* Richardson, 1846: *Halichoeres nigrescens*
Cirrhilabrus exquisitus Smith, 1957: *Cirrhilabrus exquisitus*
Coris eydouxii Val., 1839: *Coris flavovittata*
Sparus falcatus Bloch, 1791: *Bodianus rufus*
Cheilinus fasciatopunctatus Steindachner, 1863: *C. trilobatus*
Coricus fasciatus Cocco, 1833: *Lappanella fasciata*
Hologymnosus fasciatus Lacepède, 1801: *H. doliatus*
Labrus fasciatus Bloch, 1792: *Hemigymnus fasciatus*
Sparus fasciatus Bloch, 1791: *Cheilinus fasciatus*
Xiphochilus fasciatus Günther, 1867: *Choerodon fasciatus*
Anampses femininus Randall, 1972: *Anampses femininus*
Neolabrus fenestratus Steindachner, 1875: *Malapterus reticulatus*
- * *Artisia festiva* de Beaufort, 1939: *Halichoeres tenuispinis*
Julis festiva Val., 1839: *Coris julis*
- * *Cheilinus festivus* Val., 1840: *Cheilinus trilobatus*
Labrus festivus Risso, 1827: *Labrus viridis*
Anampses fidjensis Sauvage, 1880: *Anampses neoguinaicus*
Halichoeres fijiensis Herre, 1935: *Halichoeres argus*
Cirrhilabrichthys filamentosus Klausewitz, 1976:
Cirrhilabrus filamentosus
Cossyphus filamentosus Peters, 1855: *Pteragogus flagellifer*
Paracheilinus filamentosus Allen, 1974: *P. filamentosus*
Stethojulis filholi Sauvage, 1880: *Stethojulis trilineata*
Julis finlaysoni Val., 1839: *LeptoJulis cyanopleura*
Ctenolabrus flagellifer Val., 1839: *Pteragogus flagellifer*
Labrus flavescens Bloch & Schneider 1801: *nomen dubium*
Paracheilinus flavianalis Kuitert & Allen, 1999:
Paracheilinus flavianalis
Cirrhilabrus flavidorsalis Randall & Carpenter, 1980:
Cirrhilabrus flavidorsalis
Julis flavovittatus Bennett, 1828: *Coris flavovittata*
- Lutianus flavus* Rafinesque, 1814?: *Symphodus ocellatus*
PlatyGLOSSUS florealis Jordan & Gilbert, 1882:
Halichoeres bivittatus
PlatyGLOSSUS floscorallis Jordan & Seale, 1906:
Halichoeres melanurus
Julis formosus Val., 1839: *Thalassoma trilobatum*
Labrus formosus Bennett [JW], 1830: *Coris formosa*
Cheilio forskalii Val., 1839: *Cheilio inermis*
Choerodon frenatus Ogilby, 1910: *Choerodon frenatus*
Crenilabrus fraenatus Bennett, 1835: *Symphodus cinereus*
Labrus fraenatus Pallas 1814: *Symphodus cinereus*
Iridio frenatus Nichols, 1920: *Halichoeres maculipinna*
Cossyphus frenchii Klunzinger, 1880: *Bodianus frenchii*
Coris frerei Playfair & Günther, 1867: *Coris formosa*
Labrus fucicola Richardson, 1840: *Notolabrus fucicola*
Labrichthys fucicolor Hutton, 1890: *Notolabrus fucicola*
Labrus fucii Rafinesque, 1810?: *Symphodus cinereus*
Labrichthys fuentesi Regan, 1913: *Pseudolabrus fuentesi*
Labrus fuliginosus Lacepède, 1801: *Hemigymnus fasciatus*
Symphodus fulvescens Rafinesque, 1810: *S. rostratus*
Stethojulis fulvoventris Seale, 1901: *Stethojulis bandanensis*
Cheilio fuscus Lacepède, 1802: *Cheilio inermis*
Gomphosus fuscus Val., 1840: *Gomphosus varius*
Gomphosus fuscus Bennett [JW], 1828: *G. caeruleus*
Labrus fuscus Gmelin 1789: *Symphodus mediterraneus*
Labrus fuscus Lacepède, 1801: *Thalassoma trilobatum*
Labrus fuscus Pallas, 1814: *Symphodus cinereus*
- * *Labrus fuscus* Walbaum 1792: *Symphodus mediterraneus*
Labrus fusiformis Rüppell, 1835: *Cheilio inermis*
Coris gaimard africana Smith, 1957: *Coris cuvieri*
Coris gaimard speciosa Fowler, 1946: *Coris gaimard*
Julis gaimard Quoy & Gaimard, 1824: *Coris gaimard*
Scarus gallus Forsskål, 1775: *Thalassoma lunare*
Julis ganymede Bennett [JW], 1830: *Coris gaimard*
Hiatula gardeniana Lacepède, 1800: *Tautoga onitis*
Julis garnoti Val., 1839: *Halichoeres garnoti*
Labrus gayi Val., 1839: *Pseudolabrus gayi*
Xyrichtys geisha Araga & Yoshino, 1986: *Xyrichtys geisha*
Julis genivittatus Val., 1839: *Thalassoma genivittatum*
Clepticus genizara Cuvier, 1829: *Clepticus parrae*
Crenilabrus geoffroi Risso, 1827: *Symphodus tinca*
Julis geoffroy Quoy & Gaimard, 1824:
Macropharyngodon geoffroy
Lutjanus geoffroyus Risso, 1810: *Symphodus tinca*
Anampses geographicus Val., 1840: *A. geographicus*
Scarus georgii Bennett [JW], 1830: *Thalassoma purpureum*
Scarus georgiiquarti Bennett [JW], 1841:
Thalassoma purpureum
Julis gibbifrons Quoy & Gaimard, 1834: *Coris aygula*
Labrus gibbosus Bonnaterre, 1788: *Symphodus melops*
Labrus gibbus Gmelin, 1789: *Symphodus melops*
Julis gillianus Poey, 1860: *Thalassoma bifasciatum*
Labrus giofredi Risso, 1810: *Coris julis*
Julis girardi Bleeker, 1859: *nomen dubium*
Eupetrichthys gloveri Scott, 1974: *Pictilabrus laticlavus*
Anampses godeffroyi Günther, 1881: *Anampses cuvier*
Chilinus godeffroyi Günther, 1872: *Cheilinus undulatus*
Labrus goldsinny Bonnaterre, 1788: *Symphodus melops*
Labrus gouanii Lacepède, 1801: *nomen dubium*
Labrus gouldii Richardson, 1843: *Achoerodus gouldii*
Julis gracilis Steindachner, 1863: *Thalassoma lunare*
Labrichthys gracilis Steindachner & Döderlein, 1887:
Suezichthys gracilis
Thalassoma grammaticum Gilbert, 1890: T.
- grammaticum*
Lepidaplois grandisquamis Smith, 1968:
Decodon grandisquamis
Amorphocephalus granulatus Bowdich, 1825: *Xyrichtys novacula*
Choerops graphicus De Vis, 1885: *Choerodon graphicus*
Chlorichthys grayii Swainson, 1839?: *Thalassoma lunare*

- Coris greenoughii* Günther, 1862: *Coris gaimard*
Julis greenovii Bennett, 1828: *Coris gaimard*
Labrus griseus Gmelin, 1789: *Symphodus cinereus*
Choerophilus grandisquamis Gill, 1863: *Halichoeres bivittatus*
Julis guentheri Bleeker, 1862: *Thalassoma quinquevittatum*
Pseudolabrus guentheri Bleeker, 1862: *Pseudolabrus guentheri*
Coris guineensis Bleeker, 1863: *Coris atlantica*
Lappanella guineensis Bauchot, 1969: *Lappanella guineensis*
Duymaeria guttata Fowler & Bean, 1928: *Pteragogus guttatus*
Cheilinus guttatus Bleeker, 1847: *Cheilinus chlorourus*
Labrus guttatus Bloch, 1791: *Halichoeres argus*
Labrus guttatus Bonnaterre 1788: *Symphodus ocellatus*
Labrus guttatus Gmelin, 1789: *Symphodus ocellatus*
* *Labrus guttatus* Walbaum, 1792: *Symphodus ocellatus*
Labrus guttulatus Lacepède, 1801: *Halichoeres argus*
PlatyGLOSSUS guttulatus Macleay, 1883: *Halichoeres chloropterus*
Labrus gymnocephalus Bloch & Schneider, 1801:
Halichoeres chloropterus
Labrichthys gymnogenis Günther, 1862: *Notolabrus gymnogenis*
Xiphochilus gymonogenys Playfair & Günther, 1867:
Choerodon gymnogenys
Coris halei Day, 1888: *Coris formosa*
Sparus hardwicke Bennett [JW], 1830: *Thalassoma hardwicke*
Julis hardwickii Gray, 1832: *Thalassoma lunare*
Julis harloffii Bleeker, 1847: *Halichoeres margaritaceus*
Julis hartzfeldii Bleeker, 1852: *Halichoeres hartzfeldii*
Labrus hassek Lacepède, 1801: *Cheilio inermis*
Labrus hebraicus Lacepède, 1801: *Thalassoma hebraicum*
Thalassoma heiseri Randall & Edwards, 1984: *T. heiseri*
Cheilio hemichrysos Val., 1839: *Cheilio inermis*
Sparus hemisphaericus Shaw, 1803: *Thalassoma trilobatum*
Sparus hemisphaerium Lacepède, 1802:
Novaculichthys taeniourus
Paracheilinus hemitaeniatus Randall & Harmelin-Vivien, 1977:
Paracheilinus hemitaeniatus
Labrus herbeus Walbaum 1792: *Labrus mixtus*
Thalassoma herrei Seale, 1935: *Thalassoma lunare*
Cirrhilabrus heterodon Bleeker, 1871: *C. cyanopleura*
Julis heteropterus Bleeker, 1857: *Pseudocoris heteroptera*
Coris hewetti Randall, 1999: *Coris hewetti*
Chilinus hexagonatus Günther, 1881: *Oxycheilinus unifasciatus*
Cheilinus hexataenia Bleeker, 1857: *Pseudocheilinus hexataenia*
Labrus hiatula Linnaeus, 1766: *Tautoga onitis*
Labrus hirsutus Lacepède, 1801: *Bodianus macrourus*
Choerops hodgkinsonii Saville-Kent, 1893:
Choerodon cephalotes
Novacula hoedtii Bleeker, 1856: *Novaculichthys taeniourus*
Cheilinus hoevenii Bleeker, 1862: *Oxycheilinus celebicus*
Julis hoevenii Bleeker, 1851: *Halichoeres melanurus*
Labrus hortulanus Lacepède, 1801: *Halichoeres hortulanus*
Julis humeralis Poey, 1860: *Halichoeres bivittatus*
Coris hupferi Fischer, 1885: *Coris atlantica*
Hemipteronotus hyospilus Schultz, 1960: *Xyrichtys bimaculatus*
* *Julis hyrtlíi* Bleeker, 1856: *Halichoeres bicolor*
Labrus iagonensis Bowdich, 1825: *Bodianus speciosus*
Halichoeres ianthinus Fourmanoir, 1955: *H. marginatus*
Anampses ikedai Tanaka 1908: *Anampses meleagrides*
Acantholabrus imbricatus Lowe, 1839: *Acantholabrus palloni*
Coris imbris Tanaka, 1918: *Coris aygula*
Novacula immaculata Val., 1840: *Xyrichtys pavo*
* *PlatyGLOSSUS immaculatus* Macleay, 1878: *Halichoeres nigrescens*
Thalassoma immanis Fowler, 1900: *Thalassoma purpureum*
Labrus imperialis Rafinesque 1810?: *Thalassoma pavo*
Xyrichtys incandescens Edwards & Lubbock, 1981:
Xyrichtys incandescens
Labrus inermis Forsskål, 1775: *Cheilio inermis*
Xyrichtys infirmus Bean, 1891: *Xyrichtys martinicensis*
Labrus infuscus Walbaum 1792: *Coris julis*
Julichthys inornata De Vis, 1885: *nomen dubium*
Pseudojulis inornatus Gilbert, 1890: *Pseudojuloides inornatus*
Labrus inscriptus Richardson, 1848: *Notolabrus inscriptus*
Epibulus insidiator var *flava* Bleeker, 1849: *Epibulus insidiator*
Sparus insidiator Pallas, 1770: *Epibulus insidiator*
Bodianus insularis Gomon & Lubbock, 1980: *B. insularis*
Halichoeres insularis Allen & Robertson, 1992: *H. insularis*
Crenilabrus intermedius Gulia, 1861: *nomen dubium*
Julis internasalis Poey, 1861: *Halichoeres cyanocephalus*
Julis interruptus Bleeker, 1851: *Stethojulis interrupta*
Halichoeres iridescens Jenkins, 1901: *H. ornatissimus*
Halichoeres irideus Starks, 1913: *Halichoeres radiatus*
Halichoeres irideus torquatus Parr, 1930: *H. radiatus*
Halichoeres iridis Randall & Smith, 1982: *H. iridis*
Ctenolabrus iris Val., 1839: *Lappanella fasciata*
Halichoeres iris Seale, 1910: *Thalassoma hardwicke*
Labrichthys isleanus Sauvage, 1875: *Nelabrichthys ornatus*
Bodianus izuensis Araga & Yoshino, 1975: *B. izuensis*
Novacula jacksonensis Ramsay, 1881: *X. jacksonensis*
Cossyphus jagonensis Troschel, 1866: *Bodianus speciosus*
Julis janseni Bleeker, 1856: *Thalassoma janseni*
Duymaeria japonica Bleeker, 1856: *Pteragogus aurigarius*
Choerodonoides japonicus Kamohara, 1958:
Choerodon gymnogenys
Labrus japonicus Houuttuyn, 1782: *nomen dubium*
Labrus japonicus Val., 1839: *Choerodon azurio*
Novacula javanica Bleeker, 1862: *Xyrichtys javanicus*
* *Julis javanicus* Bleeker, 1857: *Halichoeres nigrescens*
Labrus javensis Bloch & Schneider 1801: *nomen dubium*
Hemipteronotus jenkinsi Snyder, 1904: *Xyrichtys baldwini*
Xyrichtys jessiae Jordan, 1888: *Xyrichtys novacula*
Cirrhilabrus johnsoni Randall, 1988: *Cirrhilabrus johnsoni*
Choerops jordani Snyder, 1908: *Choerodon jordani*
Cirrhilabrus jordani Snyder, 1904: *Cirrhilabrus jordani*
Novacula julioides Bleeker, 1851:
Novaculichthys macrolepidotus
Labrus julis Linnaeus, 1758: *Coris julis*
Pseudojuloides kaleidos Kuitert & Randall, 1995: *P. kaleidos*
Julis kallochroma Bleeker, 1853: *Halichoeres kallochroma*
Julis kalloporis Bleeker, 1853: *Halichoeres leucurus*
Novacula kallosoma Bleeker, 1860: *Novaculichthys taeniourus*
Stethojulis kallosoma Bleeker, 1862: *Stethojulis interrupta*
Julis kalosoma Bleeker, 1852: *Stethojulis interrupta*
Cirrhilabrus katherinae Randall, 1992: *C. katherinae*
Cirrhilabrus katoi Senou & Hirata, 2000: *C. katoi*
Julis kawarin Bleeker, 1852: *Halichoeres timorensis*
Hemicoris keleipionis Jenkins, 1901: *Coris ballieui*
Labrus keslik Lacepède 1801: *Coris julis*
Cheilinus keltitzii Val., 1840: *Cheilinus oxycephalus*
Iridio kirschii Jordan & Evermann, 1898: *Halichoeres poeyi*
Thalassoma klunzingeri Fowler & Steinitz, 1956:
Thalassoma rueppellii
* *Halichoeres kneri* Bleeker, 1862: *Halichoeres nigrescens*
Labrus koelreuteri Walbaum, 1792: *Stethojulis albovittata*
Julis kuelkuel Montrouzier, 1857?: *Cymolutes praetextatus*
Macropharyngodon kuiteri Randall, 1978: *M. kuiteri*
Labrichthys labiosa Macleay, 1881: *Pictilabrus laticlavus*
Cirrhilabrus laboutei Randall & Lubbock, 1982: *C. laboutei*
Cheilinus lacrymans Val., 1840: *Oxycheilinus digramma*
Lutjanus lamarckii Risso, 1810: *Symphodus rostratus*
Julis lamarii Val., 1839: *Halichoeres marginatus*
LeptoJulis lambdastigma Randall & Ferraris, 1981:
LeptoJulis lambdastigma
Cirrhilabrus lanceolatus Randall & Masuda, 1991:
Cirrhilabrus lanceolatus
Labrichthys lantzii Sauvage, 1875: *Nelabrichthys ornatus*
Halichoeres lao Jenkins, 1901: *Halichoeres ornatissimus*
Halichoeres lapillus Smith, 1947: *Halichoeres lapillus*
Labrus lapina Forsskål, 1775: *Symphodus tinca*
* *Julis laportei* Liénard, 1845: *Hologymnosus doliatus*
Labrus lappanoides Rafinesque 1810?: *Symphodus tinca*
Labrus lappanus Rafinesque 1810?: *Symphodus tinca*

- Labrus larvatus* Lowe, 1852: *Labrus mixtus*
Labrus laticlavus Richardson, 1840: *Pictilabrus laticlavus*
Labrus latovittatus Lacepède in Rüppell, 1835:
Labroides dimidiatus
Cossyphus latro De Vis, 1885: *Bodianus perditio*
Xyrichtys lecluse Quoy & Gaimard, 1824: *Cymolutes lecluse*
Anampses lennardi Scott, 1959: *Anampses lennardi*
Labrus leo Rafinesque, 1810: *Thalassoma pavo*
Julis leparensis Bleeker, 1852: *Halichoeres argus*
Coris lepomis Jenkins, 1901: *Coris flavovittata*
Halichoeres leptotaenia Randall & Earle, 1994: *H. leptotaenia*
Julis leschenaulti Val., 1839: *Halichoeres scapularis*
Julis lessonii Val., 1839: *Thalassoma sanctaehelenae*
Tautoga leucomis Bleeker, 1858: *Hemigymnus*
Julis leucorhynchus Bleeker, 1856: *Coris gaimard*
Labrus leucosticticus Bennett, 1832: *Bodianus leucosticticus*
* *Halichoeres leucostigma* Fowler & Bean, 1928: *H. nigrescens*
Halichoeres leucoxanthus Randall & Smith, 1982:
Halichoeres leucoxanthus
Crenilabrus leucozona Bleeker, 1858: *Choerodon anchorago*
* *Iniistius leucozonus* Jenkins, 1901: *Xyrichtys pavo*
Labrus leucurus Walbaum, 1792: *Halichoeres leucurus*
Anampsoanax lienardi Bleeker, 1875: *A. geographicus*
Labrus limbatus Val., 1839: *Labrus merula*
Stethojulis linearis Schultz, 1960: *Stethojulis bandanensis*
Coryphaena lineata Gmelin, 1789: *Xyrichtys novacula*
Pseudojulis lineata Castelnau, 1873: *Ophthalmolepis lineolatus*
Torresia lineata De Vis, 1885: *Choerodon schoenleinii*
Cirrhilabrus lineatus Randall & Lubbock, 1982: *C. lineatus*
Labrus lineatus Bonnaterre, 1788: *Labrus mixtus*
Labrus lineatus Walbaum 1792: *nomen dubium*
Xyrichtys lineatus Val., 1840: *Xyrichtys martinicensis*
Coryphaena lineolata Rafinesque, 1810: *Xyrichtys novacula*
Anampses lineolatus Bennett, 1836: *A. caeruleopunctatus*
Julis lineolatus Val., 1839: *Ophthalmolepis lineolatus*
Labrus lineolatus Val., 1839: *Labrus merula*
Paracheilinus lineopunctatus Randall & Lubbock, 1981:
Paracheilinus lineopunctatus
Lutjanus linkii Bloch, 1790: *Symphodus tinca*
Hemipteronotus liogenys Fowler, 1904: *Xyrichtys aneitensis*
Crenilabrus littoralis Risso, 1827: *Symphodus ocellatus*
Labrus livens Linnaeus, 1758?: *Labrus merula*
Labrus lividus Val., 1839: *Labrus viridis*
Sparus lividus Lacepède, 1802?: *Labrus merula*
* *Crenilabrus locaninus* Gulia, 1861: *Symphodus melops*
Coris longipes Günther, 1862: *Hologymnosus longipes*
Acarauna longirostris Sevestianoff, 1802: *Gomphosus caeruleus*
Lepidaplois loxozonus Snyder, 1908: *Bodianus loxozonus*
Thalassoma loxum Randall & Mee, 1994: *T. loxum*
Cirrhilabrus lubbocki Randall & Carpenter, 1980: *C. lubbocki*
Julis lucasanus Gill, 1862: *Thalassoma lucasanum*
Labrus luculentus Richardson, 1848: *Pseudolabrus luculentus*
Crenilabrus melops lugubris Risso in Bonaparte, 1846:
nomen nudum
Labrus lunaris Linnaeus, 1758: *Thalassoma lunare*
Anampses lunatus Sauvage, 1891: *Anampses meleagrides*
Cirrhilabrus lunatus Randall & Masuda, 1991: *C. lunatus*
Cheilinus lunifer Nichols, 1923: *Cheilinus lunulatus*
Labrus lunulatus Forsskål, 1775: *Cheilinus lunulatus*
Labrus luscus Linnaeus, 1758: *Labrus viridis*
Lepidaplois luteopunctatus Smith, 1957: *Bodianus trilineatus*
Cirrhilabrus luteovittatus Randall, 1988: *C. luteovittatus*
Julis lutescens Lay & Bennett, 1839: *Thalassoma lutescens*
Labrus luteus Walbaum 1792: *Labrus viridis*
Labrus luvarus Rafinesque, 1810: *Labrus mixtus*
Cirrhilabrus lyukyuensis Ishikawa, 1904: *C. cyanopleura*
Halichoeres macgregori Gilbert & Starks, 1904: *H. nicholsi*
Choerops macleayi Ramsay & Ogilby, 1887:
Choerodon cephalotes
Halichoeres macleayi Jordan & Seale, 1906:
Xenajulis margaritaceus
Labrichthys macleayi Herzenstein, 1896: *Dotalabrus aurantiacus*
Cossyphus macrodon Bleeker, 1849: *Choerodon anchorago*
Labrus macrodon Lacepède, 1801: *Choerodon anchorago*
Lepidaplois macrognathos Morris, 1974: *Bodianus macrognathos*
Labrus macrolepidotus Bloch, 1791:
Novaculichthys macrolepidotus
Labrus macrolepidotus Walbaum 1792: *nomen dubium*
Labrus macrostomus Rafinesque 1810?: *Symphodus rostratus*
Labrus macrourus Lacepède, 1801: *Bodianus macrourus*
Cossyphus macrurus Günther, 1862: *Bodianus macrourus*
Julis maculata Lesson, 1828: *Thalassoma lunare*
Labrichthys maculata Macleay, 1881: *Austrolabrus maculatus*
* *Dentex maculatus* Perez Canto, 1886: *Semicossyphus darwini*
Labrichthys maculatus De Vis, 1885: *Pseudolabrus guentheri*
Labrus maculatus Bloch, 1792: *Labrus bergylta*
* *PlatyGLOSSUS maculatus* Jatzow & Lenz, 1898:
Halichoeres nigrescens
Scarus maculatus Gronow in Gray, 1854?: *Symphodus ocellatus*
Stethojulis maculatus Schmidt, 1931: *Stethojulis maculata*
Pseudojulis maculifer Castelnau, 1875: *Halichoeres nebulosus*
Julis maculipinna Müller & Troschel, 1848:
Halichoeres maculipinna
Perca maculosa Retzius, 1800: *Symphodus melops*
Cheilinus maculosus Val., 1840: *Cheilinus trilobatus*
* *Hemipteronotus maculosus* Fourmanoir, 1967:
Xyrichtys baldwini
* *Julidio maculosus* Clark, 1936: *Halichoeres nicholsi*
Labrus maculosus Gronow, 1854: *nomen dubium*
Choerops maeander Cartier, 1874: *Choerodon anchorago*
Cheilolabrus magnilabris Alleyne & Macleay, 1877:
Hemigymnus melapterus
Labrus malacopterus Forster 1795: *nomen dubium*
Labrus malapteronotus Lacepède, 1801: *Hemigymnus fasciatus*
Labrus malapterus Bloch 1792: *Hemigymnus melapterus*
Cossyphus maldat Val., 1839: *Bodianus macrourus*
Halichoeres malpelo Allen & Robertson, 1992: *H. malpelo*
Labropsis manabei Schmidt, 1931: *Labropsis manabei*
Lutjanus manis Nardo, 1827: *nomen dubium*
Pseudocheilinus margaretae Smith, 1956: *P. octotaenia*
Julis margaritaceus Val., 1839: *Halichoeres margaritaceus*
PlatyGLOSSUS margaritaceus Macleay, 1883:
Xenajulis margaritaceus
* *Xyrichtys margaritatus* Fourmanoir, 1967: *Xyrichtys dea*
Choerodon margaritifera Fowler & Bean, 1928:
Choerodon margaritifera
* *Labrus margaritifera*, Cuvier, 1829:
Macropharyngodon geoffroy
Julis margaritiphorus Bleeker, 1853: *Halichoeres bicolor*
Ctenolabrus marginatus Val., 1839: *Ctenolabrus rupestris*
Halichoeres marginatus Rüppell, 1835: *H. marginatus*
Labrus marmoratus Rafinesque 1810?: *Symphodus tinca*
Thalassoma marnae Schultz, 1943: *T. amblycephalum*
Coris marquesensis Randall, 1999: *Coris marquesensis*
Stethojulis marquesensis Randall, 2000: *S. marquesensis*
Xyrichtys martinicensis Val., 1840: *Xyrichtys martinicensis*
* *Thalassoma mascarenum* Fricke, 1999: *T. genivittatum*
Lutjanus massa Risso, 1810: *Symphodus cinereus*
Lutjanus massiliensis Lacepède, 1802: *Symphodus mediterraneus*
Bodianus masudai Araga & Yoshino, 1975: *B. masudai*
Julis matthoei Val., 1839: *Thalassoma genivittatum*
Cossyphus maxillosus Guichenot, 1865: *Choerodon robustus*
Labrus maximus Walbaum, 1792: *Lachnolaimus maximus*
Paracheilinus mccoskeri Randall & Harmelin-Vivien, 1977:
Paracheilinus mccoskeri
Sparus meaco Lacepède, 1802: *Hemigymnus fasciatus*
Julis mediterranea Risso, 1827: *Coris julis*
Perca mediterranea Linnaeus, 1758: *Symphodus mediterraneus*

- Labrus mediterraneus* Bloch & Schneider, 1801:
Symphodus mediterraneus
Doratonotus megalepis Günther, 1862: *D. megalepis*
Labrus melampertus Bloch & Schneider, 1801:
Hemigymnus melapterus
Lutjanus melanocercus Risso, 1810: *Symphodus melanocercus*
Halichoeres melanochir Fowler & Bean, 1928:
Halichoeres melanochir
Julis melanochir Bleeker, 1857: *Thalassoma amblycephalum*
Thalassoma melanochir Fowler, 1904: *T. amblycephalum*
Cirrhilabrus melanomarginatus Randall & Shen, 1978:
Cirrhilabrus melanomarginatus
Cheilinus melanopleura Bleeker, 1866: *Oxycheilinus bimaculatus*
* *Julis melanoptera* Günther, 1862: *Thalassoma lutescens*
Labrus melanopterus Forster 1795?: *Hemigymnus melapterus*
Novacula melanopus Bleeker, 1857: *Xyrichtys melanopus*
Choerodon melanostigma Fowler & Bean, 1928:
Choerodon melanostigma
Pseudojulis melanotis Gilbert, 1890: *Halichoeres melanotis*
Labrus melanotus Rafinesque 1810: *nomen dubium*
Gomphosus melanotus Bleeker, 1855: *Gomphosus caeruleus*
Crenilabrus melanoxanthurus Cocco, 1840:
Symphodus melanocercus
Julis melanura Lowe, 1839: *Coris julis*
Labrichthys melanura Macleay, 1881: *Pseudolabrus guentheri*
Anampses melanurus Bleeker, 1857: *Anampses melanurus*
Anampses melanurus lineatus Randall, 1972: *A. lineatus*
Julis melanurus Bleeker, 1851: *Halichoeres melanurus*
Labrus melapterus Bloch, 1791: *Hemigymnus melapterus*
Halichoeres melas Randall & Earle, 1994: *H. melas*
Decodon melasma Gomon, 1974: *Decodon melasma*
Halichoeres melasmapomus Randall, 1981: *H. melasmapomus*
Anampses meleagrides Val., 1840: *Anampses meleagrides*
Anampses meleagris Günther, 1862: *Anampses meleagrides*
Choerops meleagris Rüppell, 1852: *Choerodon anchorago*
Julis meleagris Val., 1839: *Macropharyngodon meleagris*
Labrus melops Linnaeus, 1758: *Symphodus melops*
Labrus mendovella Rafinesque 1810: *Symphodus ocellatus*
Julis meniscus Val., 1839: *Thalassoma lunare*
Cheilinus mentalis Rüppell, 1828: *Oxycheilinus mentalis*
Cheilinus mertensii Val., 1840: *Cheilinus undulatus*
Julis mertensii Val., 1839?: *Thalassoma lunare*
Tautoga mertensii Val., 1839: *Hemigymnus fasciatus*
Labrus merula Linnaeus, 1758: *Labrus merula*
Pseudojuloides mesostigma Randall & Randall, 1981:
Pseudojuloides mesostigma
Labrus mesothorax Bloch & Schneider, 1801:
Bodianus mesothorax
* *PlatyGLOSSUS metager* Day, 1888: *Halichoeres marginatus*
Iridio meyeri Bean, 1906: *Halichoeres maculipinna*
Labrus microlepidotus Bloch, 1792?: *Labrus mixtus*
Xyrichtys microlepidotus Val., 1840: *Cymolutes lecluse*
Novacula microlepis Vaillant & Sauvage, 1875: *Cymolutes lecluse*
Labropsis micronesica Randall, 1981: *L. micronesica*
Cheilio microstoma Val., 1839: *Cheilio inermis*
Crenilabrus microstoma Thompson, 1837: *Centrolabrus exoletus*
Iridio microstomus Bean, 1906: *Halichoeres maculipinna*
Labrus miles Forster in Bl. & Schn., 1801: *Pseudolabrus miles*
Julis miniatus Val., 1839: *Halichoeres miniatus*
Lepidaplois mirabilis Snyder, 1908: *Choerodon fasciatus*
Labrus mixtus Linnaeus, 1758: *Labrus mixtus*
Crenilabrus modestus Garrett, 1864: *Bodianus bilumulatus*
Julis modestus Bleeker, 1847: *Halichoeres chloropterus*
Julis modestus Girard, 1854: *Oxyjulis californica*
Xyrichtys modestus Poey, 1867: *Xyrichtys martinicensis*
* *Labrus mola* Cuvier 1829: *Halichoeres nigrescens*
Odax moluccanus Val., 1840: *Pseudodax moluccanus*
Pseudodax moluccensis Günther, 1862: *P. moluccanus*
* *Anampses moniliger* Cuvier, 1829: *Halichoeres leucurus*
Choerodon monostigma Ogilby, 1910: *C. monostigma*
Xenajulis montillai de Beaufort, 1939: *X. margaritaceus*
Scarus mordax Gronow in Gray, 1854: *Bodianus mesothorax*
Crenilabrus morelli Nordmann, 1840: *Symphodus ocellatus*
Cirrhilabrus morrisoni Allen, 1999: *Cirrhilabrus morrisoni*
Labrichthys mortonii Johnston, 1885: *Pseudolabrus rubicundus*
Cheilinus mossambicus Günther, 1862: *Oxycheilinus bimaculatus*
Macropharyngodon moyeri Shepard & Meyer, 1978: *M. moyeri*
Platychoerops muelleri Klunzinger, 1880: *Achoerodus gouldii*
Halichoeres multicolor Rüppell, 1835: *Coris caudimacula*
Labrus multicostatus Gronow in Gray, 1854:
Halichoeres bivittatus
Crenilabrus multidentatus Thompson, 1837: *Labrus bergylta*
Xyrichtys mundiceps Gill, 1862: *Xyrichtys mundiceps*
Iniistius mundicarpus Gill, 1862: *Xyrichtys pavo*
Pseudojulis murrayensis De Vis, 1885: *Halichoeres miniatus*
Julis musume Jordan & Snyder, 1904: *Coris picta*
Harpe naevius Eigenmann, 1894: *Bodianus pulchellus*
Halichoeres nafae Tanaka, 1908: *H. margaritaceus*
Anampses nagayoi Tanaka 1908: *Anampses meleagrides*
Labrus nardii Perugia 1866: *Labrus viridis*
Gomphosus nasutus Parkinson in Cuv. & Val., 1840:
Gomphosus varius
Labrus nasutus Günther, 1862: *nomen nudum*
Choerops natalensis Gilchrist & Thompson, 1909:
Anchichoerops natalensis
Thalassoma neanis Jordan & Evermann, 1907: *T. lutescens*
Cheilinus nebulosus Richardson, 1846: *Cheilinus trilobatus*
Julis nebulosus Val., 1839: *Halichoeres nebulosus*
Macropharyngodon negrosensis Herre, 1932: *M. negrosensis*
Cossyphus neilli Day, 1867: *Bodianus neilli*
Crenilabrus nematopterus Bleeker, 1851: *Pteragogus flagellifer*
Anampses neoguinaicus Bleeker, 1878: *A. neoguinaicus*
Labrus nereus Risso, 1810: *Labrus merula*
Labrus neustriiae Lacepède, 1801: *Labrus bergylta*
Julis newtoni Osorio, 1891?: *Thalassoma ascensionis*
PlatyGLOSSUS nicholsi Jordan & Gilbert, 1882:
Halichoeres nicholsi
* *Labrus niger* Nardo 1824: *Symphodus tinca*
Sparus niger Lacepède, 1802: *Hemigymnus melapterus*
Tautoga niger Mitchell, 1814: *Tautoga onitis*
Tautoga niger var *alius* Mitchell, 1814: *Tautoga onitis*
Tautoga niger var *fuscus* Mitchell, 1814: *Tautoga onitis*
Tautoga niger var *rubens* Mitchell, 1814: *Tautoga onitis*
Novacula nigra Steindachner, 1900: *Xyrichtys niger*
Crenilabrus nigrescens Risso, 1827: *Symphodus mediterraneus*
Labrus nigrescens Bloch & Schneider, 1801:
Halichoeres nigrescens
Cossyphus nigromaculatus Gilchrist & Thompson, 1908:
Bodianus perditio
Hemipteronotus nigromaculatus Herre, 1933: *Xyrichtys twistii*
PlatyGLOSSUS nigromaculatus Günther, 1872:
Macropharyngodon meleagris
Labrichthys nigromarginatus Macleay, 1878:
Notolabrus gymnogenis
Cheilinus nigropinnatus Seale, 1901: *Wetmorella nigropinnata*
Halichoeres nigropunctatus Seale, 1901:
Macropharyngodon meleagris
Coris nigrotaenia Mee & Hare, 1995: *Coris nigrotaenia*
Julis nitida Günther, 1862: *Thalassoma bifasciatum*
Julis nitidissima Goode, 1877: *Thalassoma bifasciatum*
Xyrichtys niveilatus Jordan & Evermann, 1903: *X. aneitensis*
Julis noronhana Boulenger, 1890: *Thalassoma noronhanum*
Lutjanus norwegicus Bloch, 1791: *Symphodus melops*
Chaerops notatus Alleyne & Macleay, 1877:
Choerodon schoenleinii
Julis notatus Richardson & Solander in Richardson, 1843:
Notolabrus celidotus
Lutjanus notatus Bloch, 1790: *nomen dubium*
Pseudolabrus notatus Kamohara, 1958: *Suezichthys notatus*
Stethojulis notialis Randall, 2000: *Stethojulis notialis*

- * *Cheilinus notophthalmus* Bleeker, 1853: *Oxycheilinus arenatus*
Julis notophthalmus Bleeker, 1847: *Halichoeres hortulanus*
Tautoga notophthalmus Bleeker, 1856: *Halichoeres hortulanus*
Julis notopsis Val., 1839: *Halichoeres marginatus*
Pseudojulis notospilus Günther, 1864: *Halichoeres notospilus*
Gomphosus notostigma Bleeker, 1862: *Gomphosus varius*
Coryphaena novacula Linnaeus, 1758: *Xyrichtys novacula*
Xyrichtys novaculoides Bleeker, 1853: *Cymolutes torquatus*
Labrus nubilus Val., 1843: *Labrus bergylta*
Labrichthys nudigena De Vis, 1885: *Halichoeres hartzfeldii*
Choerops nyctembla Jordan & Evermann, 1902?:
Choerodon schoenleinii
Julis obscura Günther, 1880: *Thalassoma ballieui*
Labrus ocellaris Linnaeus 1758?: *Symphodus ocellatus*
Wetmorella ocellata Schultz & Marshall, 1954: *W. nigropinnata*
Labrus ocellatus Forsskål, 1775: *Symphodus ocellatus*
PlatyGLOSSUS ocellatus Kner & Steindachner, 1867:
Labrichthys unilineatus
Pseudocheilinus ocellatus Randall, 1999: *P. ocellatus*
Pseudocoris ocellatus Chen & Shao, 1995: *P. ocellata*
Cossyphus octomaculatus Liénard in Sauvage, 1891:
Bodianus axillaris
Paracheilinus octotaenia Fourmanoir, 1955: *P. octotaenia*
Pseudocheilinus octotaenia Jenkins, 1901: *P. octotaenia*
Labrus oculusperdix Rafinesque 1810: *Symphodus roissali*
Crenilabrus oligacanthus Bleeker, 1851: *Choerodon oligacanthus*
* *Choerops olivaceus* De Vis, 1885: *Choerodon cyanodus*
Labrus olivaceus Bonnaterre, 1788: *Symphodus ocellatus*
* *Labrus olivaceus* Walbaum, 1792: *Symphodus ocellatus*
Cossyphus ommopterus Richardson, 1846:
Choerodon schoenleinii
Labrus onitis Linnaeus, 1758: *Tautoga onitis*
Julis opalina Val., 1839: *Halichoeres radiatus*
Cossyphus opercularis Guichenot, 1847: *Bodianus opercularis*
Cossyphus opercularis Peters, 1855: *Pteragogus pelycus*
PlatyGLOSSUS opercularis Günther, 1862:
Halichoeres margaritaceus
Trochocopus opercularis Günther, 1862: *Bodianus opercularis*
Cheilinus orientalis Günther, 1862: *Oxycheilinus orientalis*
Julis ornatissimus Garrett, 1863: *Halichoeres ornatissimus*
Gomphosus ornatus Bennett, 1830: *Gomphosus caeruleus*
Labrus ornatus Carmichael, 1819: *Nelabrichthys ornatus*
Labrus ornatus Gronow in Gray, 1854: *Thalassoma bifasciatum*
Macropharyngodon ornatus Randall, 1978: *M. ornatus*
Thysanocheilus ornatus Kner, 1865: *Labrichthys unilineatus*
Labrus ossifagus Linnaeus, 1758: *Labrus mixtus*
Cheilinus oxycephalus Bleeker, 1853: *C. oxycephalus*
Cossyphus oxycephalus Bleeker, 1862: *Bodianus oxycephalus*
Julis oxyrhynchus Bleeker, 1857: *Hologymnosus doliatus*
Cheilinus oxyrhynchus Bleeker, 1862: *Oxycheilinus celebicus*
Gomphosus pacificus Seale, 1901: *Gomphosus varius*
Verreo pacificus Kamohara, 1952: *Decodon pacificus*
PlatyGLOSSUS pagenstecheri Kossmann & Räuber, 1877:
Halichoeres scapularis
Choerops palawanensis Seale, 1910: *Choerodon oligacanthus*
Coris pallida MacLeay, 1881: *Coris batuensis*
Halichoeres pallidus Kuitert & Randall, 1995: *H. pallidus*
* *Labrus pallidus* Nardo, 1824: *Acantholabrus palloni*
Lutjanus palloni Risso, 1810: *Acantholabrus palloni*
Xyrichtys panamensis Fowler, 1944: *Xyrichtys pavo*
Julis papilionaceus Val., 1839: *Halichoeres papilionaceus*
Coris papuensis Macleay, 1883: *Coris batuensis*
Labroides paradiseus Bleeker, 1851: *Labroides dimidiatus*
Julis pardaleocephalus Bleeker, 1849:
Halichoeres pardaleocephalus
LeptoJULIS pardalis Kner, 1867: *Macropharyngodon meleagris*
Tautoga parila Richardson, 1850: *Notolabrus parilus*
Labrus paroticus Linnaeus, 1758: *Coris julis*
Brama parrae Bloch & Schneider 1801: *Clepticus parrae*
Julis patatus Val., 1839: *Halichoeres radiatus*
Labrus pavo Linnaeus, 1758: *Thalassoma pavo*
Xyrichtys pavo Val., 1840: *Xyrichtys pavo*
Julis pavoninus Val., 1839: *nomen dubium*
Xyrichtys pavoninus Val., 1840: *Xyrichtys pavo*
Choerodon paynei Whitley, 1945: *Choerodon paynei*
Gomphosus pectoralis Quoy & Gaimard, 1824: *G. varius*
Labroides pectoralis Randall & Springer, 1975: *L. pectoralis*
Harpe pectoralis Gill, 1862: *Bodianus diplotaenia*
Halichoeres pelicieri Randall & Smith, 1982: *H. pelicieri*
Pteragogus pelycus Randall, 1981: *Pteragogus pelycus*
Crenilabrus pennanti Val., 1839: *Symphodus melops*
Halichoeres penrosei Starks, 1913: *H. maculipinna*
Labrus pentacanthus Lacepède, 1801: *Centrolabrus exoletus*
Coryphaena pentadactyla Linnaeus, 1758:
Xyrichtys pentadactylus
Labrus perdica Forsskål 1775: *Coris julis*
Labrus perditio Quoy & Gaimard, 1834: *Bodianus perditio*
Labrus perioides Walbaum 1792: *nomen dubium*
Xyrichtys perlas Wellington, Allen & Robertson, 1994:
Novaculichthys perlas
Choerops perpulcher De Vis, 1885: *Choerodon cephalotes*
Labrus perspicillatus Pallas, 1814: *Symphodus ocellatus*
Choerodon pescadorensis Yu, 1968: *Choerodon robustus*
Pseudolepidaplois pfaffi Bauchot & Blanc, 1961:
Bodianus scrofa
Julis phaiopus Bleeker, 1853: *Halichoeres marginatus*
Julis phaiotaenia Bleeker, 1855: *Halichoeres scapularis*
Stethojulis phecadopleura Martens, 1876: *Stethojulis trilineata*
Julis phekadopleura Bleeker, 1849: *Stethojulis trilineata*
Coris philippina Fowler & Bean, 1928: *Pseudocoris bleekeri*
Wetmorella philippina bifasciata Schultz & Marshall, 1954:
Wetmorella nigropinnata
Wetmorella philippina Fowler & Bean, 1928: *W. albofasciata*
(in part)
Wetmorella philippina Fowler & Bean, 1928:
Wetmorella nigropinnata (in part)
Labroides phthirophagus Randall, 1958: *L. phthirophagus*
Coris pictoides Randall & Kuitert, 1982: *Coris pictoides*
Chaeropsodes pictus Gilchrist & Thompson, 1909:
Bodianus perditio
Crenilabrus pictus Lowe, 1838: *Symphodus mediterraneus*
Julis pictus Poey, 1860: *Halichoeres pictus*
Labrus pictus Bloch & Schneider 1801: *Coris picta*
Labrus pictus Gronow, 1854: *nomen dubium*
Labrus pincus Nardo, 1824: *Labrus viridis*
Labrus pirca Walbaum 1792?: *Symphodus bailloni*
Cirrhilabrus piscilineatus Cornic, 1987:
Paracheilinus piscilineatus
Labrus pitimoides Rafinesque 1810?: *Symphodus rostratus*
Pseudolabrus pittensis Waite, 1910: *Notolabrus fucicola*
Labrus pittima Rafinesque, 1810: *Symphodus mediterraneus*
Julis podostigma Bleeker, 1854: *Halichoeres podostigma*
Julis poecila Lay & Bennett, 1839: *Halichoeres margaritaceus*
Julis poecilepterus Temminck & Schlegel, 1845:
Parajulis poecilepterus
Labrus poecilopleura Val., 1839: *Notolabrus celidotus*
Julis poecilopterus Richardson, 1846: *Parajulis poecilepterus*
PlatyGLOSSUS poeyi Steindachner, 1867: *Halichoeres poeyi*
Labrus polychrous Pallas, 1814: *Symphodus tinca*
Cheilinus polygramma Val., 1840: *Oxycheilinus unifasciatus*
LeptoJULIS polylepis Randall, 1996: *LeptoJULIS polylepis*
Labropsis polynesica Randall, 1981: *Labropsis polynesica*
Labrus polyodon Bloch & Schneider 1801?: *Thalassoma lunare*
Labrus polyodon Walbaum 1792?: *Thalassoma lunare*
Julis polyophthalmus Bleeker, 1852: *Halichoeres argus*
Labrus porcus Rafinesque, 1810: *nomen dubium*
Julis porphyrocephala Bennett, 1832: *Thalassoma lunare*
Julis praetextata Quoy & Gaimard, 1834: *Cymolutes praetextatus*
Labrus prasostictes Pallas, 1814: *Labrus viridis*
Julis principis Val., 1839: *Halichoeres radiatus*

- Bodianus prognathus* Lobel, 1981: *Bodianus prognathus*
- * *Crenilabrus propinquus* Gulia, 1861: *Symphodus tinca*
- Julis prosopoeion* Bleeker, 1853: *Halichoeres prosopoeion*
- Julis prostigma* Kuhl & van Hasselt, 1839: *Thalassoma hardwicke*
- Steihojulis psacas* Jordan & Snyder, 1902: *S. strigiventer*
- PlatyGLOSSUS pseudogramma* Cartier, 1874: *Halichoeres bicolor*
- Julis pseudominiatus* Bleeker, 1856: *Halichoeres nebulosus*
- Labrus psittaculus* Lacepède, 1801: *Halichoeres bivittatus*
- Labrus psittaculus* Richardson 1840: *Pseudolabrus rubicundus*
- Pseudocheilinus psittaculus*, Kner & Steindachner 1867:
Pseudocheilinus hexataenia
- Coryphaena psittacus* Linnaeus, 1766: *Xyrichtys novacula*
- Labrus psittacus* Lacepède, 1801: *Labrus viridis*
- Labrus psittacus* Risso, 1827: *Labrus merula*
- Lachnolaimus psittacus* Val., 1839: *Lachnolaimus maximus*
- Anampses pterophthalmus* Bleeker, 1857: *A. geographicus*
- Cossyphus puellaris* Poey, 1860: *Decodon puellaris*
- Cheilinus pulchellus* Sauvage, 1880: *Cheilinus trilobatus*
- Cossyphus pulchellus* Poey, 1860: *Bodianus pulchellus*
- Anampses pulcher* Regan, 1913: *A. caeruleopunctatus*
- Labrus pulcher* Ayres, 1854: *Semicossyphus pulcher*
- Coris pulcherrima* Günther, 1862: *Coris gaimard*
- Labrus pulcherrimus* Forster, 1839: *Thalassoma hardwicke*
- Cheilinus punctatus* Bennett, 1832: *Cheilinus chlorourus*
- Cirrhilabrus punctatus* Randall & Kuitert, 1989: *C. punctatus*
- Julis punctatus* Seale, 1901: *Thalassoma purpureum*
- PlatyGLOSSUS punctatus* De Vis, 1885: *Coris batuensis*
- Labrichthys punctulata* Günther, 1862: *Notolabrus parilus*
- Novacula punctulata* Val., 1840: *Xyrichtys bimaculatus*
- Cheilinus punctulatus* Val., 1840: *Cheilinus chlorourus*
- Julis punctulatus* Val., 1839: *Halichoeres argus*
- Xyrichtys puniceus* Richardson, 1846: *Xyrichtys pavo*
- Scarus purpuratus* Shaw, 1803: *Thalassoma purpureum*
- Julis purpureolineatus* Val., 1839: *Leptojulis cyanopleura*
- Labrus purpureus* Bloch & Schneider 1801:
Halichoeres leucurus
- Julis purpureus* Rüppell, 1828: *Thalassoma rueppellii*
- Scarus purpureus* Forsskål, 1775: *Thalassoma purpureum*
- Crenilabrus pusillus* Nordmann, 1840: *Symphodus cinereus*
- Cirrhilabrus pylei* Allen & Randall, 1996: *Cirrhilabrus pylei*
- Pseudojuloides pyrius* Randall & Randall, 1981: *P. pyrius*
- Julis pyrrhogramma* Temminck & Schlegel, 1845:
Parajulis poecilepterus
- Julis pyrrhogrammatoides* Bleeker, 1853: *Leptojulis cyanopleura*
- Thalassoma pyrrhovinctum* Jenkins, 1901: *T. duperrey*
- Julis quadricolor* Lesson, 1828: *Thalassoma purpureum*
- Choerodon quadrifasciatus* Yu, 1968: *C. schoenleinii*
- Labrus quadrilineatus* Rüppell, 1835: *Larabicus quadrilineatus*
- Labrus quadrimaculatus* Risso, 1827: *Labrus mixtus*
- Xiphochilus quadrimaculatus* Günther, 1880: *Xiphochilus typus*
- Labrus quindecimaculeatus* Lacepède, 1801:
Thalassoma hardwicke
- Cheilinus quinquecinctus* Rüppell, 1835: *Cheilinus fasciatus*
- Scarus quinquefasciatus* Bennett [JW], 1830:
Hemigymnus fasciatus
- Crenilabrus quinqueaculatus* Risso, 1827: *Symphodus roissali*
- Labrus quinqueaculatus* Bloch, 1792: *nomen dubium*
- Scarus quinquevittatus* Lay & Bennett, 1839:
Thalassoma quinquevittatum
- Cheilinus radiatus* Val., 1840: *Oxycheilinus digramma*
- Labrus radiatus* Linnaeus, 1758: *Halichoeres radiatus*
- Sparus radiatus* Bloch & Schneider 1801: *Oxycheilinus digramma*
- Xyrichtys rajagopalani* Venkataramanujam et al., 1987:
Xyrichtys rajagopalani
- Labrus ramentosus* Forsskål, 1775: *Pteragogus flagellifer*
- Cheilio ramosus* Jenyns, 1842: *Cheilio inermis*
- Cirrhilabrus randalli* Allen, 1995: *Cirrhilabrus randalli*
- * *PlatyGLOSSUS ransonneti* Steindachner, 1870:
Halichoeres nigrescens
- Julis rapan* Montrouzier, 1857: *Thalassoma lunare*
- Julis reichei* Bleeker, 1858: *Halichoeres nebulosus*
- Hemicoris remedijs* Jenkins, 1901: *Coris venusta*
- Julis renardi* Bleeker, 1851: *Stethojulis strigiventer*
- Cossyphus reticulatus* Val., 1839: *Semicossyphus reticulatus*
- Labrus reticulatus* Bonnaterre, 1788: *Symphodus ocellatus*
- Labrus reticulatus* Lowe, 1839: *Labrus bergylta*
- Labrus reticulatus* Walbaum, 1792: *nomen dubium*
- Malapterus reticulatus* Val., 1839: *Malapterus reticulatus*
- * *PlatyGLOSSUS reticulatus* Cartier, 1874: *Halichoeres argus*
- Coris rex* Ramsay & Ogilby, 1886: *Coris sandageri*
- Labrichthys rex* De Vis, 1885: *Pseudolabrus guentheri*
- Cheilinus rhodochrous* Playfair & Günther, 1867:
Oxycheilinus rhodochrous
- Hologymnosus rhodonotus* Randall & Yamakawa, 1988:
Hologymnosus rhodonotus
- Cirrhilabrus rhomboidalis* Randall, 1988: *C. rhomboidalis*
- Labrichthys richardsoni* Castelnau, 1872: *Notolabrus tetricus*
- Lepidaplois richardsoni* Fowler, 1908: *Bodianus bilunulatus*
- Pseudolabrus richardsonii* Steindachner, 1867: *P. guentheri*
- Halichoeres richmondi* Fowler & Bean, 1928: *H. richmondi*
- Crenilabrus rissoi* Val., 1839: *Symphodus ocellatus*
- Cheilinus rivulatus* Val., 1840: *Cheilinus trilobatus*
- Semicossyphus robecchii* Steindachner & Bellotti, 1887:
Semicossyphus reticulatus
- Thalassoma robertsoni* Allen, 1995: *Thalassoma robertsoni*
- PlatyGLOSSUS robinsoni* Gilchrist & Thompson, 1914:
Nelabrichthys ornatus
- Xiphochilus robustus* Günther, 1862: *Choerodon robustus*
- Lutjanus roissali* Risso, 1810: *Symphodus roissali*
- Acantholabrus romeritus* Val., 1843: *Centrolabrus trutta*
- Labrus rone* Ascanius, 1772: *Symphodus melops*
- Coris rosea* Vaillant & Sauvage, 1875: *Coris ballieui*
- Julis rosea* Quoy & Gaimard, 1834: *Hologymnosus doliatus*
- Cirrhilabrus roseafascia* Randall & Lubbock, 1982:
Cirrhilabrus roseafascia
- Labrichthys roseipunctata* Hutton, 1880: *Pseudolabrus miles*
- Coris roseoviridis* Randall, 1999: *Coris roseoviridis*
- * *Cheilinus roseus* Val., 1840: *Oxycheilinus digramma*
- PlatyGLOSSUS roseus* Day, 1888: *Halichoeres nigrescens*
- Xyrichtys rosipes* Jordan & Gilbert, 1884: *X. novacula*
- * *Cheilinus rostratus* Cartier, 1874: *Cheilinus undulatus*
- Lutjanus rostratus* Bloch, 1791: *Symphodus rostratus*
- Julis rubecula* Richardson, 1843?: *Pseudolabrus miles*
- Ctenolabrus rubellio* Richardson, 1845: *Pteragogus aurigarius*
- Labrus rubellio* Walbaum 1792: *Symphodus cinereus*
- * *Labrus rubens* Bloch & Schneider, 1801: *Symphodus ocellatus*
- Lutjanus ruber* Rafinesque, 1810: *Symphodus ocellatus*
- Choerops rubescens* Günther, 1862: *Choerodon rubescens*
- Lutjanus rubescens* Risso, 1810: *Symphodus rostratus*
- Labrichthys rubicunda* Macleay, 1881: *Pseudolabrus rubicundus*
- Choerodon rubidus* Scott, 1959: *Choerodon schoenleinii*
- Julis rubiginosus* Richardson, 1843?: *Pseudolabrus miles*
- Labrus rubiginosus* Richardson, 1846: *Pseudolabrus sieboldi*
- Labrus rubiginosus* Risso 1827: *nomen dubium*
- Labrus rubiginosus* Temminck & Schlegel, 1846 (in part):
Pseudolabrus eoethinus
- Labrus rubiginosus* Temminck & Schlegel, 1846 (in part):
Pseudolabrus sieboldi
- Labrichthys rubra* Castelnau, 1875: *Notolabrus parilus*
- Halichoeres rubricephalus* Kuitert & Randall, 1995:
Halichoeres rubricephalus
- Cirrhilabrus rubrimarginatus* Randall, 1992: *C. rubrimarginatus*
- Cirrhilabrus rubripinnis* Randall & Carpenter, 1980:
Cirrhilabrus rubripinnis
- Cirrhilabrus rubrisquamis* Randall & Emery, 1983:
Cirrhilabrus rubrisquamis
- Cirrhilabrus rubriventralis* Springer & Randall, 1974:
Cirrhilabrus rubriventralis
- Anampses rubrocaudatus* Randall, 1958: *A. chrysocephalus*
- Labroides rubrolabiatus* Randall, 1958: *L. rubrolabiatus*

- Labrus rubrolineatus* Lacepède, 1801: *Bodianus macrourus*
Stethojulis rubromaculata Scott, 1959: *S. bandanensis*
Anampses rubroviridis Liénard in Sauvage, 1891: *A. viridis*
Terelabrus rubrovittatus Randall & Fourmanoir, 1998:
Terelabrus rubrovittatus
Julis rueppellii Klunzinger, 1871: *Thalassoma rueppellii*
Novacula rufa Day, 1873: *Xyrichtys cyanifrons*
Labrus rufus Linnaeus, 1758: *Bodianus rufus*
Labrus rufus Rathke, 1837: *Labrus viridis*
Trochocopus rufus Macleay, 1878: *Bodianus frenchii*
Labrus rupestris Linnaeus, 1758: *Ctenolabrus rupestris*
Julis ruppelii Bennett, 1831: *Coris aygula*
Julis ruptus Poey, 1860: *Halichoeres garnoti*
Bodianus russelli Gomon & Randall, 1975: *Polylepion russelli*
Suezichthys russelli Randall, 1981: *Suezichthys russelli*
Julis sanctaehelenae Val., 1839: *Thalassoma sanctaehelenae*
Novacula sanctaehelenae Günther, 1868:
Xyrichtys sanctaehelenae
Cymolutes sandeyeri Hector, 1884: *Coris sandageri* (Hector)
Gomphosus sandvicensis Günther, 1862: *Gomphosus varius*
Cheilinus sanguineus Val., 1840: *Cheilinus oxycephalus*
Cirrhilabrus sanguineus Cornic, 1987: *C. sanguineus*
* *Labrus sanguineus* Nardo 1824: *Symphodus tinca*
Verruculus sanguineus Jordan & Evermann, 1903:
Bodianus sanguineus
Trochocopus sanguinolentus De Vis, 1883: *Bodianus perditio*
Labrus saphyrinus Walbaum 1792: *Labrus viridis*
Labrus saxatilis Risso, 18: *Labrus viridis*
Labrus saxorum Val., 1839: *Labrus merula*
Julis scapularis Bennett, 1832: *Halichoeres scapularis*
Labrus scarus Linnaeus, 1758: *nomen dubium*
Coris schauinslandii Steindachner, 1900: *Coris ballieui*
* *Crenilabrus schemberianus* Gulia, 1861: *Symphodus ocellatus*
Cossyphus schoenleinii Val., 1839: *Choerodon schoenleinii*
Julis schroederii Bleeker, 1858: *Coris batuensis*
Julis schwanefeldii Bleeker, 1853: *Thalassoma hardwicke*
Julis schwarzii Bleeker, 1847: *Halichoeres papilionaceus*
* *Xyrichtys sciistius* Jordan & Thompson 1914:
Novaculichthys woodi
Labrus scina Forsskål, 1775?: *Symphodus rostratus*
Cirrhilabrus scottorum Randall & Pyle, 1989: *C. scottorum*
Labrus scrofa Val., 1839: *Bodianus scrofa*
Halichoeres sebae Kner, 1860: *Stethojulis trilineata*
Julis sebanus Val., 1839: *Stethojulis trilineata*
Halichoeres sellifer Gilbert, 1890: *Halichoeres nicholsi*
Coris semicincta Ramsay, 1883: *Coris picta*
Julis semicinctus Ayres, 1859: *Halichoeres semicinctus*
Julis semicoeruleus Rüppell, 1835: *Thalassoma purpureum*
Julis semidecorata Lesson, 1828: *Halichoeres hortulanus*
Labrus semidiscus Lacepède, 1801: *Hologymnosus annulatus*
Julis semifasciatus Val., 1839: *Thalassoma hardwicke*
Labrichthys semifasciatus Rendahl, 1921:
Pseudolabrus semifasciatus
Labrus semilunatus Lacepède 1804?: *Thalassoma lutescens*
Coris semipartita Günther, 1862: *Hologymnosus annulatus*
Julis semipunctatus Rüppell, 1835: *Coris aygula*
Labrus semiruber Lacepède, 1801: *Bodianus rufus*
Thalassoma septemfasciata Scott, 1959: *T. septemfasciatum*
Labrus serpentinus Bonnaterre, 1788: *Symphodus mediterraneus*
Crenilabrus serranoides Gulia, 1861: *nomen dubium*
Crenilabrus serranus Gulia, 1861: *nomen dubium*
Halichoeres sexfasciatus Rüppell, 1835: *Hemigymnus fasciatus*
Labrichthys sexlineatus De Vis, 1885: *Pseudolabrus guentheri*
Novacula sexmaculata Val. 1840: *Xyrichtys pentadactylus*
* *Halichoeres sexmaculatus* Fowler, 1946:
Xenajulis margaritaceus
Pseudolabrus sieboldi Mabuchi & Nakabo, 1997: *P. sieboldi*
Halichoeres signifer Randall & Earle, 1994: *H. signifer*
Iridio similis Nichols, 1920: *Halichoeres maculipinna*
Labrus simus Pallas 1814: *Symphodus cinereus*
Cheilinus sinuosus Quoy & Gaimard, 1824: *C. trilobatus*
Thalassoma socorroense Gilbert, 1890: *Thalassoma virens*
Suezichthys soelae Russell, 1985: *Suezichthys soelae*
Cirrhilabrus solorensis Bleeker, 1853: *C. solorensis*
Julis solorensis Bleeker, 1853: *Halichoeres solorensis*
Julis souleyetii Val., 1839: *Thalassoma trilobatum*
Julis speciosa Risso, 1827: *Coris julis*
Diastodon speciosus Bowdich, 1825: *Bodianus speciosus*
Crenilabrus spilogaster Bleeker, 1854: *Pteragogus aurigarius*
Labrus spilonotus Bennett, 1836: *Bodianus macrourus*
Novacula spilonotus Bleeker, 1857: *Xyrichtys melanopus*
Cossyphus spilotes Guichenot, 1865: *Bodianus diana*
Julis spilurus Bleeker, 1851: *Halichoeres trimaculatus*
Xyrichtys splendens Castelnau, 1855: *Xyrichtys splendens*
Julis squamismarginatus Bowdich, 1825: *Thalassoma pavo*
Crenilabrus staitii Nordmann, 1840: *Symphodus cinereus*
Thalassoma steindachneri Jordan, 1890: *T. lucasanum*
Crenilabrus stejneri Ishikawa, 1904: *Choerodon azurio*
Julis stellatus Val., 1839: *Coris cuvieri*
Halichoeres stictus Fowler, 1944: *Halichoeres nicholsi*
Halichoeres stigmasepia Fowler, 1944: *Halichoeres nicholsi*
Halichoeres stigmaticus Randall & Smith, 1982: *H. stigmaticus*
Novacula stockumii Reuvens, 1895?: *Xyrichtys twistii*
Epibulus striatus Day, 1871: *Epibulus insidiator*
Minilabrus striatus Randall & Dor, 1980: *M. striatus*
Julis strigiventer Bennett, 1832: *Stethojulis strigiventer*
Lepidaplois strophodes Jordan & Evermann, 1903:
Bodianus bilunulatus
Thalassoma stuckiae Whitley, 1959: *Gomphosus varius*
Bermudichthys subfurcatus Nichols, 1920:
Thalassoma bifasciatum
Labrus subfuscus Bloch & Schneider 1801: *Coris julis*
Labrus subfuscus Walbaum, 1792: *Tautoga onitis*
Choerodon sugillatum Gomon, 1987: *Choerodon sugillatum*
Labrus suillus Linnaeus, 1758?: *Ctenolabrus rupestris*
Lachnolaimus suillus Cuvier, 1829: *Lachnolaimus maximus*
Julis sukl Montrouzier, 1857: *Stethojulis trilineata*
Labrus syriacus Bloch & Schneider, 1801: *Thalassoma pavo*
Julis taenianotus Cuvier in Quoy & Gaimard, 1824:
Novaculichthys macrolepidotus
Anampses taeniatus Liénard in Sauvage, 1891:
Anampses caeruleopunctatus
Coris taeniatus Steindachner, 1863: *Coris julis*
Cossyphus taeniatus Val., 1839: *Larabicus quadrilineatus*
Cossyphus taeniops Peters, 1855: *Pteragogus taeniops*
Labrus taeniourus Lacepède, 1801: *Novaculichthys taeniourus*
Labrus ?tagislem Montrouzier, 1857: *nomen dubium*
Labrus tancoides Lacepède, 1801: *Symphodus tinca*
Bodianus tanyokidus Gomon & Madden, 1981: *B. tanyokidus*
* *Cymolutes tateyamaensis* Sakamoto, 1930: *C. torquatus*
Novaculichthys tattoo Seale, 1901: *Novaculichthys woodi*
Labrus tautoga Mitchill, 1815: *Tautoga onitis*
Julis temmincki Bleeker, 1853: *Halichoeres leucurus*
Cirrhilabrus temminckii Bleeker, 1853: *C. temminckii*
Novacula temporalis Regan, 1905: *Xyrichtys pavo*
PlatyGLOSSUS tenuispinis Günther, 1862: *Halichoeres tenuispinis*
Stethojulis terina Jordan & Snyder, 1902: *S. interrupta*
Labrus tessellatus Bloch, 1792: *Symphodus melops*
Novacula tessellata Val., 1840: *Xyrichtys pavo*
Labrus tetraodon Bloch & Schneider 1801: *nomen dubium*
Pseudocheilinus tetrataenia Schultz, 1960: *P. tetrataenia*
Cheilinus tetrazona Bleeker, 1853: *Cheilinus trilobatus*
Novacula tetrazona Bleeker, 1859: *Xyrichtys pavo*
Labrichthys tetrica var *fuscipinnis* Klunzinger, 1872:
Notolabrus tetricus
Labrichthys tetrica var *ocellata* Klunzinger, 1880?:
Notolabrus tetricus
Labrichthys tetrica var *tigripinnis* Klunzinger, 1872:
Notolabrus tetricus
Labrus tetricus Richardson, 1840: *Notolabrus tetricus*

- Doratonotus thalassinus* Jordan & Gilbert, 1884: *D. megalepis*
Julis thirsites Richardson, 1846: *Parajulis poecilepterus*
Bodianus thoracotaeniatus Yamamoto, 1982: *B. thoracotaeniatus*
Crenilabrus tigrinus Risso, 1827: *Symphodus roissali*
Julis timorensis Bleeker, 1852: *Halichoeres timorensis*
Crenilabrus tinca Val., 1839: *Symphodus dodereini*
Labrus tinca Linnaeus, 1758: *Symphodus tinca*
Labrus tineia Forsskål, 1775: *nomen dubium*
Anampses tinkhami Fowler, 1946: *A. caeruleopunctatus*
Paracheilinus togeanensis Kuitert & Allen, 1999:
Paracheilinus togeanensis
Cirrhilabrus tonozukai Allen & Kuitert, 1999:
Cirrhilabrus tonozukai
Pseudolabrus torotai Russell & Randall, 1981: *P. torotai*
* *Labrus torquatus* Walbaum, 1792: *Thalassoma bifasciatum*
Xyrichtys torquatus Val., 1840: *Cymolutes torquatus*
Choerodon transversalis Whitley, 1956: *C. graphicus*
Cossyphus tredecimspinosus Günther, 1862: *Bodianus speciosus*
* *Halichoeres tremebundus* Jordan & Snyder, 1902: *H. bleekeri*
Gomphosus tricolor Quoy & Gaimard, 1824: *G. varius*
Pseudojulis trifasciatus Weber, 1913:
Thalassoma amblycephalum
Labrus trilineatus Bloch & Schneider, 1801: *Stethojulis trilineata*
Lepidaplois trilineatus Fowler, 1934: *Bodianus trilineatus*
Julis trilobata var β Günther, 1862: *Thalassoma purpureum*
Cheilinus trilobatus Lacepède, 1801: *Cheilinus trilobatus*
Labrus trilobatus Lacepède, 1801: *Thalassoma trilobatum*
Cheilinus trilobus Schinz in Cuvier, 1822: *C. trilobatus*
Coris trimaculata Ogilby, 1888: *Coris sandageri*
Julis trimaculata Quoy & Gaimard, 1834:
Halichoeres trimaculatus
Julis trimaculata Val., 1839: *Novaculichthys macrolepidotus*
Julis trimaculatus Rüppell, 1835: *Thalassoma lunare*
Labrus trimaculatus Bonnaterre, 1788: *Labrus mixtus*
Labrus trimaculatus Gmelin 1789: *Labrus mixtus*
Wetmorella triocellata Schultz & Marshall, 1954:
Wetmorella nigropinnata
Suezichthys tripunctatus Randall & Kotthaus, 1977:
S. notatus (in part)
Suezichthys tripunctatus Randall & Kotthaus, 1977:
S. russelli (in part)
Halichoeres trispilus Randall & Smith, 1982: *H. trispilus*
Xyrichtys trivittatus Randall & Cornish, 2000: *X. trivittatus*
Stethojulis trossula Jordan & Snyder, 1902: *S. interrupta*
Lepidaplois trotteri Fowler & Bean, 1923: *Bodianus loxozonus*
Julis truncatus Cartier, 1874: *Thalassoma lunare*
Crenilabrus trutta Lowe, 1834: *Centrolabrus trutta*
Crenilabrus trutta var *unicolor* Lowe, 1838: *Centrolabrus trutta*
Julis turcica Risso, 1827: *Thalassoma pavo*
Julis turcica var *lemniscata* Lowe, 1843: *Thalassoma pavo*
Julis turcica var *torquata* Lowe, 1843: *Thalassoma pavo*
Labrus turdus Linnaeus, 1758: *Labrus viridis*
Anampses twistii Bleeker, 1856: *Anampses twistii*
Novacula twistii Bleeker, 1856: *Xyrichtys twistii*
Xiphocheilus typus Bleeker, 1856: *Xiphocheilus typus*
PlatyGLOSSUS ubayensis Cartier, 1874: *Halichoeres vrolikii*
Cheilio udanad Montrouzier, 1857: *Cheilio inermis*
Hemipteronotus umbrilatus Jenkins, 1901: *Xyrichtys umbrilatus*
Julis umbrostyigma Rüppell, 1835: *Thalassoma purpureum*
Cheilinus undulatus Rüppell, 1835: *Cheilinus undulatus*
Gomphosus undulatus Streets, 1877: *Gomphosus varius*
Labrichthys unicolor Castelnau, 1875: *Notolabrus parilus*
Labrus unicolor Bloch & Schneider 1801: *nomen dubium*
Trochocopus unicolor Günther, 1876: *Achoerodus gouldii*
Cheilinus unifasciatus Streets, 1877: *Oxycheilinus unifasciatus*
Cossyphus unilineatus Guichenot, 1847: *Labrichthys unilineatus*
Julis unimaculata Lowe, 1840: *Thalassoma pavo*
Julis unimaculata var *lineolata* Lowe, 1840: *Thalassoma pavo*
Julis unimaculata var *taeniata* Lowe, 1840: *Thalassoma pavo*
Choerops unimaculatus Cartier, 1874: *Choerodon schoenleinii*
* *Choerops unimaculatus* De Vis, 1885: *Choerodon cyanodus*
Cossyphus unimaculatus Günther, 1862: *Bodianus unimaculatus*
Labrus unimaculatus Gmelin, 1789: *Symphodus mediterraneus*
Ctenolabrus uninotatus Val., 1839: *Tautogolabrus adspersus*
Xyrichtys uniozellatus Agassiz in Spix & Agassiz, 1829:
Xyrichtys novacula
Julis urostigma Bleeker, 1853: *Thalassoma hardwicke*
LeptoJulis urostigma Randall, 1996: *LeptoJulis urostigma*
Julis vanikorensis Quoy & Gaimard, 1834:
Novaculichthys taeniourus
Labrus variabilis Thompson, 1837: *Labrus bergylta*
Macropharyngodon variavus Smith, 1957: *M. bipartitus*
Coris variegata Ramsay & Ogilby, 1887: *Coris aygula*
Halichoeres variegatus Rüppell, 1835: *Coris variegata*
Labrus variegatus Gmelin, 1789: *Labrus mixtus*
Labrus variegatus Nardo, 1824: *nomen dubium*
Anampses variolatus Ogilby, 1889: *Anampses elegans*
Gomphosus varius Lacepède, 1801: *Gomphosus varius*
Labrus varius Linnaeus 1758: *Labrus mixtus*
Odax varius Val., 1840: *Pseudodax moluccanus*
Cheilinus venosus Val., 1840: *Oxycheilinus mentalis*
Labrus venosus Gmelin, 1789: *Symphodus ocellatus*
Labrus venosus Walbaum, 1792: *Symphodus ocellatus*
* *Julis ventralis* De Vis, 1885: *Thalassoma lunare*
Xyrichtys ventralis Bean, 1891: *Xyrichtys splendens*
Coris venusta Vaillant & Sauvage, 1875: *Coris venusta*
Choerops venustus De Vis, 1884: *Choerodon venustus*
* *Pseudojulis venustus* Jenkins & Evermann, 1889:
Halichoeres semicinctus
Xyrichtys venustus Poey, 1876: *Xyrichtys martinicensis*
Iniistius verater Jenkins, 1901: *Xyrichtys niger*
Labrus verdolidus Rafinesque, 1810?: *Symphodus rostratus*
Xyrichtys vermiculatus Poey, 1860: *Xyrichtys novacula*
Hemipteronotus verrens Jordan & Evermann, 1902:
Xyrichtys verrens
Lutjanus verres Bloch, 1791: *Bodianus rufus*
Julis verticalis Smith & Swain, 1882: *Thalassoma ballieui*
Guntheria [sic] vestalis Whitley, 1958: *Halichoeres trimaculatus*
Labrichthys vestita Castelnau, 1872: *Notolabrus tetricus*
Labrus vetula Bloch, 1792: *Labrus mixtus*
* *PlatyGLOSSUS vicinus* Günther, 1909: *Halichoeres trimaculatus*
Xyrichtys victori Wellington, 1992: *Xyrichtys victori*
Labrus violaceus Bloch & Schneider 1801: *Symphodus tinca*
Coryphaena virens Linnaeus, 1766: *nomen oblitum*
Thalassoma virens Gilbert, 1890: *Thalassoma virens*
Xyrichtys virens Val., 1840: *nomen dubium*
Halichoeres virescens Fourmanoir & Guézé, 1961: *H. marginatus*
Lutjanus virescens Bloch, 1791: *Symphodus rostratus*
Acantholabrus viridis Val., 1839: *Centrolabrus trutta*
Anampses viridis Val., 1840: *Anampses viridis*
Cheilio viridis Val., 1839: *Cheilio inermis*
Gomphosus viridis Bennett [JW], 1830: *G. caeruleus*
Gomphosus viridis Cuvier, 1829: *Gomphosus varius*
Heterochoerops viridis Steindachner, 1866: *Achoerodus viridis*
Labrus viridis Bloch 1791: *Thalassoma lunare*
Labrus viridis Linnaeus, 1758: *Labrus viridis*
Pictilabrus viridis Russell, 1988: *Pictilabrus viridis*
Choerodon vitta Ogilby, 1910: *Choerodon vitta*
Xyrichtys vitta Val., 1840: *Xyrichtys novacula*
Labrus vittatus Walbaum, 1792: *Labrus mixtus*
Macropharyngodon vivienae Randall, 1978: *M. vivienae*
Julis vrolikii Bleeker, 1855: *Halichoeres vrolikii*
Julis vulgaris Fleming, 1828: *Coris julis*
Julis vulgaris Val., 1839: *Coris julis*
Julis vulgaris Val., 1843: *Thalassoma pavo*
Cossyphus vulpinus Richardson, 1850: *Bodianus vulpinus*
Cirrhilabrus walindi Allen & Randall, 1996: *C. walindi*
Choerodon weberi Ogilby, 1911: *Choerodon anchorago*
Xyrichtys wellingtoni Allen & Robertson, 1995: *X. wellingtoni*

- Antonichthys wetmorelloides* Bauchot & Blanc, 1961:
Doratonotus megalepis
- * *Julis whitmii* Günther, 1909: *Thalassoma lutescens*
Novaculichthys woodi Jenkins, 1901: *Novaculichthys woodi*
Pseudojuloides xanthomos Randall & Randall, 1981: *P. xanthomos*
Labropsis xanthonota Randall, 1981: *Labropsis xanthonota*
Labroides xanthurus Bleeker, 1856: *Diproctacanthus xanthurus*
PlatyGLOSSUS xanti Karoli, 1882?: *Halichoeres bicolor*
Novacula xyrichthyoides Bleeker, 1856: *Cymolutes praetextatus*
Julis yamashiroi Schmidt, 1931: *Pseudocoris yamashiroi*
Acantholabrus yarellii Val., 1839: *Labrus mixtus*
Choerops zamboangae Seale & Bean, 1907:
Choerodon zamboangae
Stethojulis zatima Jordan & Seale, 1905: *S. interrupta*
- * *Crenilabrus zeraphinus* Gulia, 1861: *Symphodus ocellatus*
Labrus zeylanicus Forster, 1781: *Thalassoma lunare*
Julis zeylonicus Bennett, 1832: *Halichoeres zeylonicus*
Pseudojulis ziczac De Vis, 1885: *Halichoeres scapularis*
Labrus zittoides Rafinesque, 1810: *Labrus viridis*
Labrus zittus Rafinesque, 1810: *Labrus viridis*
Sparus zonephorus Lacepède, 1802: *Hemigymnus fasciatus*
Cheilinus zonurus Jenkins, 1901: *Oxycheilinus unifasciatus*
Choerops zosterophorus Bleeker, 1868: *Choerodon zosterophorus*
Cossyphus zosterophorus Bleeker, 1857: *Bodianus anthioides*

SCARIDAE

- Callyodon abacurus* Jordan & Seale, 1906: *Chlorurus japonensis*
Sparisoma abbotti Fowler, 1915: *Sparisoma radians*
Sparus abildgaardii Bloch, 1791: *Sparisoma chrysopterum*
Scarus acutus Poey, 1860: *Scarus vetula*
Scaridea aerosa Jordan & Snyder, 1907: *Calotomus zonarchus*
Scarus aeruginosus Val., 1840: *Scarus ferrugineus*
Callyodon africanus Smith, 1955: *Scarus rubroviolaceus*
Scarus ahula Jenkins, 1901: *Chlorurus perspicillatus*
Cryptotomus albimarginatus Fourmanoir & Guézé, 1961:
Calotomus carolinus
Callyodon albipunctatus Seale, 1910: *Chlorurus sordidus*
Scarus alternans Val., 1840: *Scarus iseri*
Pseudoscarus altipinnis Steindachner, 1879: *Scarus altipinnis*
Scarus amplus Ranzani, 1842: *Sparisoma viride*
Callyodon apridentatus Smith, 1956: *Scarus ghobban*
Pseudoscarus arabicus Steindachner, 1902: *Scarus arabicus*
Scarus aracanga Günther, 1862: *Scarus iseri*
Scarus arcuatus Val., 1840: *Scarus rivulatus*
Scarus atomarius Poey, 1861: *Sparisoma atomarium*
Scarus atrilunula Randall & Bruce, 1983: *Chlorurus atrilunula*
Scarus atropeporalis Schultz, 1958: *Scarus xanthopleura*
Pseudoscarus augustinus Kossmann & Räuber, 1877:
Scarus ferrugineus
Sparus aureoruber Lacepède, 1802: *Sparisoma viride*
Scarus auritus Val., 1840: *Leptoscarus vaigiensis*
Scarus aurofrenatus Val., 1840: *Sparisoma aurofrenatum*
Callyodon auro-punctatus Val., 1840: *Nicholsina usta*
Scarus axillaris Steindachner, 1878: *Sparisoma rubripinne*
Scarus azureus Meek & Hildebrand, 1928: *Scarus ghobban*
Scaridea balia Jenkins, 1903: *Calotomus zonarchus*
Scarus balinensis Bleeker, 1849: *Scarus psittacus*
Scarus barborus Jordan & Evermann, 1903:
Chlorurus perspicillatus
Scarus bataviensis Bleeker, 1857: *Scarus psittacus*
Scarus bennetti Val., 1840: *Scarus dubius*
Cryptotomus beryllinus Jordan & Swain, 1884: *Nicholsina usta*
Scarus bicolor Rüppell, 1829: *Cetoscarus bicolor*
Callyodon bipallidus Smith, 1955: *Chlorurus sordidus*
Callyodon bleekeri de Beaufort, 1940: *Chlorurus bleekeri*
Callyodontichthys bleekeri Steindachner, 1863:
Sparisoma radians
Scarus blochii Val., 1840: *Chlorurus japonensis*
- Scarus bollmani* Jordan & Evermann, 1887: *Scarus taeniopterus*
Callyodon borborus Jordan & Evermann, 1905:
Chlorurus perspicillatus
Scarus bottae Val., 1840: *Leptoscarus vaigiensis*
Callyodon bowersi Snyder, 1909: *Chlorurus bowersi*
Scarus brachialis Poey, 1861: *Sparisoma chrysopterum*
Callyodon brachysoma Bleeker, 1861: *Calotomus carolinus*
Pseudoscarus brevifilis Günther, 1909: *Scarus altipinnis*
Scarus brighami Bryan & Herre, 1903: *Chlorurus frontalis*
Scarus brunneus Jenkins, 1901: *Scarus psittacus*
Scarus caeruleus Val., 1840: *Scarus ferrugineus*
Pseudoscarus californiensis Pellegrin, 1901: *Scarus ghobban*
Scarus calus Fowler, 1904: *Scarus rubroviolaceus*
Scarus canariensis Val., 1838: *Sparisoma cretense*
Scarus caninus Gronow in Gray, 1854: *nomen dubium*
Pseudoscarus cantori Bleeker, 1861: *Scarus ghobban*
Scarus capistratoides Bleeker, 1847: *Chlorurus capistratoides*
Scarus capistratus Val., 1840: *nomen dubium*
Scarus capitaneus Cuvier, 1829: *Chlorurus enneacanthus*
Xanothon carifanus Smith, 1956: *Scarus psittacus*
Callyodon carolinus Val., 1840: *Calotomus carolinus*
Scarus catesby Lacepède, 1802: *Sparisoma viride*
Pseudoscarus caudofasciatus Günther, 1862:
Scarus caudofasciatus
Scarus celebicus Bleeker, 1854: *Chlorurus sordidus*
Scarus chadri Lacepède, 1802?: *Scarus niger*
Scarus chameleon Choat & Randall, 1986: *S. chameleon*
Pseudoscarus chinensis Steindachner, 1867: *Scarus chinensis*
Scarus chloris Bloch & Schneider 1801: *Sparisoma chrysopterum*
Scarus chlorodon Jenyns, 1842: *Scarus prasiognathos*
Calliodon chlorolepis Richardson, 1845: *Leptoscarus vaigiensis*
Pseudoscarus chloromelas Playfair & Günther, 1867:
Chlorurus cyanescens
Scarus chrysopomus Bleeker, 1847: *Scarus quoyi*
Scarus chrysopterus Bloch & Schneider, 1801:
Sparisoma chrysopterum
Scarus circumnotatus Poey, 1861?: *Sparisoma rubripinne*
Scarus coccineus Bloch & Schneider 1801: *Sparisoma viride*
Scarus coelestinus Val., 1840: *Scarus coelestinus*
Coryphaena coerulea Bloch, 1786: *Scarus coeruleus*
Scarus coeruleopunctatus Rüppell, 1835: *Leptoscarus vaigiensis*
Pseudoscarus collana var *eques* Steindachner, 1903:
Scarus fuscopurpureus
Scarus collana Rüppell, 1835: *Scarus collana*
Scarus collaris Val., 1840: *Scarus collana*
Callyodon compressus Osburn & Nichols, 1916:
Scarus compressus
Cryptotomus crassiceps Bean, 1906: *Cryptotomus roseus*
Callyodon cretensis Bloch, 1789: *nomen dubium*
Labrus cretensis Linnaeus, 1758: *Sparisoma cretense*
Scarus croicensis Bloch, 1790: *Scarus iseri*
Scarus cruentatus Val., 1840: *nomen dubium*
Scarus cuzamilae Bean, 1891: *Scarus vetula*
Scarus cyanescens Val., 1840: *Chlorurus cyanescens*
Scarus cyanognathus Bleeker, 1847: *Scarus tricolor*
Callyodon cyanogrammus Jordan & Seale, 1906:
Chlorurus sordidus
Sparisoma cyanolene Jordan & Swain, 1884: *Sparisoma radians*
Scarus cyanotaenia Bleeker, 1854?: *Chlorurus bleekeri*
Scarus cyanurus Val., 1840: *Hipposcarus harid*
Calotomus cyclurus Jenkins, 1903: *Calotomus japonicus*
Scarus cypho Seale, 1901: *Scarus schlegeli*
Scarus denticulatus Lacepède, 1802: *nomen dubium*
Xenoscarus denticulatus Evermann & Radcliffe, 1917:
Nicholsina denticulata
Scarus dentiens Poey, 1861: *Nicholsina usta*
Scarus diadema Val., 1840: *Scarus iseri*
Scarus dimidiatus Bleeker, 1859: *Scarus dimidiatus*
Scarus distinctus Poey, 1861: *Sparisoma aurofrenatum*
Scarus dubius Bennett, 1828: *Scarus dubius*

Scarus dubius Hildebrand, 1946: *Scarus perrico*
Scarus dussumieri Val., 1840: *Scarus ghobban*
Callyodon elerae Jordan & Seale, 1907: *Scarus tricolor*
Sparisoma elongatum Meek & Hildebrand, 1928:
Sparisoma chrysopterum
Scarus emarginatus Poey, 1868?: *Sparisoma rubripinne*
Scarus emblematicus Jordan & Rutter, 1897: *Scarus taeniopterus*
Scarus enneacanthus Lacepède, 1802: *Chlorurus enneacanthus*
Callyodon erythacus Jordan & Seale, 1906: *Scarus psittacus*
Scarus erythrinoides Guichenot, 1865: *Sparisoma aurofrenatum*
Scarus erythrodon Val., 1840: *Chlorurus sordidus*
Scarus evermanni Jordan, 1887: *nomen dubium*
Pseudoscarus falcipinnis Playfair, 1868: *Scarus falcipinnis*
Scaridea farri Jordan [EK], 1925: *Calotomus zonarchus*
Scarus fasciatus Val., 1840: *Scarus rivulatus*
Scarus fehlmanni Schultz, 1969: *Scarus ghobban*
Scarus ferrugineus Forsskål, 1775: *Scarus ferrugineus*
Scarus festivus Val., 1840: *Scarus festivus*
Pseudoscarus filholi Sauvage, 1880: *Scarus psittacus*
Scarus flavescens Bloch & Schneider 1801:
Sparisoma chrysopterum
Scarus flavipectoralis Schultz, 1958: *Scarus flavipectoralis*
Pseudoscarus flavipinnis De Vis, 1885: *Scarus ghobban*
Pseudoscarus flavolineatus Alleyne & Macleay, 1877:
Scarus rivulatus
Pseudoscarus flavomaculatus Bliss, 1883: *Scarus scaber*
Pseudoscarus flavomarginatus Kner, 1865: *Scarus niger*
Scarus flavomarginatus Val., 1840: *Scarus iseri*
Scarus formosus Val., 1840: *Scarus dubius*
Pseudoscarus forskalii Klunzinger, 1871: *Scarus psittacus*
Pseudoscarus forsskalii fuscopurpureus Klunzinger, 1871:
Scarus fuscopurpureus
Pseudoscarus forsteni Bleeker, 1861: *Scarus forsteni*
Scarus forsteri Val., 1840: *Scarus psittacus*
Xanonthon fowleri Smith, 1956: *Scarus russelii*
Scarus frenatus Lacepède, 1802: *Scarus frenatus*
Scarus frondosus Agassiz, 1829: *Sparisoma viride*
Pseudoscarus frontalis Macleay, 1883: *Scarus rubroviolaceus*
Scarus frontalis Val., 1840: *Chlorurus frontalis*
Callyodon fumifrons Jordan & Seale, 1906: *Scarus dimidiatus*
Scarus fuscocaudalis Randall & Myers, 2000:
Scarus fuscocaudalis
Callyodon fuscocuneus Fowler, 1935: *Scarus ghobban*
Pseudoscarus fuscus De Vis, 1885: *Scarus globiceps*
Scarus galena Jordan [EK], 1925: *Scarus psittacus*
Pseudoscarus garretti Günther, 1909: *Scarus ghobban*
Scarus genazonatus Randall & Bruce, 1983:
Chlorurus genazonatus
Callyodon genistriatus Val., 1840: *Calotomus carolinus*
Scarus ghardagensis Bebars, 1978: *Scarus collana*
Scarus ghobban Forsskål, 1775: *Scarus ghobban*
Calliodon gibbosus Bloch & Schneider 1801: *Scarus coeruleus*
Scarus gibbosus Bleeker, 1862: *nomen nudum*
Scarus gibbus Rüppell, 1829: *Chlorurus gibbus*
Scarus gilberti Jenkins, 1901: *Scarus psittacus*
Scarus globiceps Val., 1840: *Scarus globiceps*
Pseudoscarus gnathodus Poey, 1867: *Scarus vetula*
Pseudoscarus godeffroyi Günther, 1909: *Scarus niger*
Pseudoscarus goldiei Macleay, 1883: *Chlorurus sordidus*
Pseudoscarus gracilis Steindachner, 1869: *Scarus gracilis*
Sparisoma griseorubra Cervigón, 1982: *S. griseorubra*
Scarus guacamaia Cuvier, 1829: *Scarus guacamaia*
Scarus guttatus Bloch & Schneider, 1801: *Scarus ghobban*
Scarus gymnognathos Bleeker, 1853: *Chlorurus sordidus*
Callyodon hadji Seale, 1910: *Scarus quoyi*
Scarus harid Forsskål, 1775: *Hipposcarus harid*
Hipposcarus harid vexillus Smith, 1959: *Hipposcarus harid*
Scarus haridoides Bleeker, 1855: *Scarus ghobban*
Pseudoscarus heliotropinus Bryan, 1906: *Scarus rubroviolaceus*
Scarus hertit Ehrenberg, 1840: *Scarus psittacus*
Scarus hildebrandi Kanazawa, 1952: *Scarus perrico*
Pseudoscarus hoefleri Steindachner, 1881: *Scarus hoefleri*
Sparus holocyaneus Lacepède, 1802: *Scarus coeruleus*
Scarus hoplomystax Cope, 1871: *Sparisoma radians*
Callyodon hornbosteli Fowler, 1925: *Scarus psittacus*
Xenoscarus hubbsi Harry, 1950: *Nicholsina denticulata*
Scarus humeralis Poey, 1861: *nomen dubium*
Scarus hypselopterus Bleeker, 1853: *Scarus hypselopterus*
Callyodon hypselosoma Bleeker, 1855: *Calotomus spinidens*
Pseudoscarus iensis Steindachner, 1887: *Scarus niger*
Callyodon ikan Montrouzier, 1857: *nomen nudum*
Callyodon improvisus Smith, 1956: *Scarus falcipinnis*
Scarus insulaesantae crucis Bloch & Schneider, 1801:
Scarus iseri
Calotomus irradians Jenkins, 1901: *Calotomus carolinus*
Callyodon iseri Bloch, 1789: *Scarus iseri*
Pseudoscarus ismailius Kossmann & Räuber, 1877:
Scarus collana
Scarus janthochir Bleeker, 1853: *Scarus prasiognathos*
Scarus japonensis Bloch, 1789: *Chlorurus japonensis*
Callyodon japonicus Val., 1840: *Calotomus japonicus*
Scarus javanicus Bleeker, 1854: *Scarus hypselopterus*
Scarus jenkinsi Jordan & Evermann, 1903: *Scarus psittacus*
Pseudoscarus jonesi Street, 1877: *Chlorurus frontalis*
Pseudoscarus jordani Jenkins, 1901: *Scarus rubroviolaceus*
Scarus kakatoe Lacepède, 1802: *nomen dubium*
Callyodon kelloggii Jordan & Seale, 1906: *Scarus spinus*
Pseudoscarus knerii Steindachner, 1887: *Scarus oviceps*
Scarus koputea Randall & Choat, 1980: *Scarus koputea*
Scarus kraussi Jordan [EK], 1925: *Chlorurus perspicillatus*
Pseudoscarus labiosus Macleay, 1883: *Scarus psittacus*
Scarus lacerta Val., 1840: *Scarus ghobban*
Scarus lacrimosus Poey, 1861: *Sparisoma radians*
Callyodon latax Jordan & Seale, 1906: *Chlorurus frontalis*
Scarus lateralis Poey, 1860: *Sparisoma chrysopterum*
Callyodon latifasciatus Seale & Bean, 1907: *Scarus tricolor*
Scarus latus Val., 1840: *Hipposcarus harid*
Scarus lauia Jordan & Evermann, 1903: *Scarus dubius*
Callyodon laxtoni Whitley, 1948: *Scarus forsteni*
Callyodon lazulinus Jordan & Seale, 1906: *Scarus oviceps*
Scarus lepidus Jenyns, 1842: *Scarus globiceps*
Scarus leucostigma Jordan, Evermann & Tanaka, 1927:
Chlorurus perspicillatus
Scaridea leucotaeniata Fowler, 1944: *Chlorurus sordidus*
Scarus limbatus Val., 1840: *Scarus niger*
Calliodon lineatus Bloch & Schneider, 1801: *Scarus iseri*
Callyodon lineolabiatum Fowler & Bean, 1928: *Scarus niger*
Pseudoscarus lineolatus Poey, 1867: *Scarus taeniopterus*
Petronason longicauda Swainson, 1839: *Hipposcarus harid*
Scarus longiceps Val., 1840: *Hipposcarus longiceps*
Scarus longipinnis Randall & Choat, 1980: *S. longipinnis*
Sparisoma lorito Jordan & Swain, 1884: *S. chrysopterum*
Scarus loro Bloch & Schneider, 1801: *Scarus coeruleus*
Callyodon lunula Snyder, 1908: *Scarus festivus*
Scarus lunulatus Val., 1840: *nomen dubium*
Scarus lupus Fowler, 1900: *Chlorurus frontalis*
Callyodon macleayi Jordan & Seale in Seale, 1906:
Scarus rubroviolaceus
Scarus macrocheilos Bleeker, 1854: *Hipposcarus longiceps*
Scarus maculatus Gronow in Gray, 1854: *nomen dubium*
Pseudoscarus maculiceps Peters, 1876: *omen dubium*
Scarus maculosus Lacepède, 1802: *Scarus ghobban*
Pseudoscarus madagascariensis Steindachner, 1887:
Scarus niger
Scarus magrathii Bennett, [JW], 1841: *Scarus ghobban*
Scarus makaravar Montrouzier, 1857?: *Scarus niger*
Callyodon malindiensis Smith, 1956: *Scarus virifucatus*
Callyodon maoricus Jordan & Seale, 1906: *Scarus niger*
Callyodon margarita Fowler, 1917: *Scarus iseri*
Pseudoscarus margaritus Cartier, 1874: *Chlorurus sordidus*

- Scarus marshalli* Schultz, 1958: *Scarus ferrugineus*
Scarus maschalespilos Bleeker, 1862: *Sparisoma chrysopterum*
Scarus mastax Rüppell, 1829: *Hipposcarus harid*
Scarus melanotis Bleeker, 1862: *Sparisoma viride*
Scarus mentalis Val., 1840: *nomen dubium*
Scarus mertensii Val., 1840: *nomen dubium*
* *Pseudoscarus microcheilos* Bleeker, 1861:
Chlorurus strongylocephalus
Scarus micrognathos Bleeker, 1847: *Scarus rivulatus*
Callyodon microps Osburn & Nichols, 1916: *Scarus perrico*
Scarus microrhinos Bleeker, 1854: *Chlorurus microrhinos*
Scarus miniatus Jenkins, 1901: *Chlorurus perspicillatus*
Scarus miniofrenatus Poey, 1861: *Sparisoma aurofrenatum*
Scarus moensi Bleeker, 1860: *Scarus hypselopterus*
Callyodon moluccensis Bleeker, 1861: *Calotomus spinidens*
Pseudoscarus moresbyensis Macleay, 1883: *Scarus quoyi*
Scarus muricatus Val., 1840: *Bolbometopon muricatum*
Callyodon mus Smith, 1956: *Scarus tricolor*
Callyodon mutabilis Gronow in Gray, 1854: *Scarus quoyi*
Scarus mutabilis Lowe, 1838: *Sparisoma cretense*
Scarus naevius Val., 1840: *Leptoscarus vaigiensis*
Pseudoscarus natalensis Gilchrist & Thompson, 1909:
Scarus ghobban
Scarus niger Forsskål, 1775: *Scarus niger*
Pseudoscarus niger var *viridis* Klunzinger, 1871: *Scarus niger*
Scarus nigrescens Meek & Hildebrand, 1928: *Scarus vetula*
Scarus nigricans Val., 1840: *Chlorurus sordidus*
Pseudoscarus nigripinnis Playfair & Günther, 1867:
Cetoscarus bicolor
Sparisoma niphobles Jordan & Bollmann, 1889:
Sparisoma radians
Scarus noyesi Heller & Snodgrass, 1903: *Scarus ghobban*
Scarus nuchalis Poey, 1860: *Scarus coeruleus*
Scarus nuchipunctatus Val., 1840: *Scarus niger*
Pseudoscarus nudirostris Alleyne & Macleay, 1877:
Scarus ghobban
Scarus obishime Randall & Earle, 1993: *Scarus obishime*
Scarus obscurus Ehrenberg in Rüppell, 1829: *nomen nudum*
Scarus obtusus Poey, 1860: *Scarus coeruleus*
Scarus ocellatus Val., 1840: *Cetoscarus bicolor*
Scaridea octodon Fowler, 1928: *Sparisoma radians*
Pseudoscarus oktodon Bleeker, 1861?: *Scarus psittacus*
Callyodon oedema Snyder, 1909: *Chlorurus oedema*
Callyodon ogos Seale, 1910: *Scarus hypselopterus*
Scarus ophthalmistius Herre, 1933: *Cetoscarus bicolor*
Scarus oviceps Val., 1840: *Scarus oviceps*
Scarus ovifrons Temminck & Schlegel, 1846: *Scarus ovifrons*
Scarus oxybrachius Poey, 1868: *Sparisoma aurofrenatum*
Sparisoma pachycephalum Longley, 1941: *S. rubripinne*
Scarus paluca Jenkins, 1901: *Scarus rubroviolaceus*
Pseudoscarus papuensis Macleay, 1883?: *Scarus ghobban*
Xanothon parvidens Smith, 1956: *Scarus psittacus*
Scarus pectoralis Val., 1840: *Scarus scaber*
Pseudoscarus pentazona Bleeker, 1861: *Scarus schlegeli*
Scarus pepo Bennett [JW], 1830: *Scarus ghobban*
Scarus perrico Jordan & Gilbert, 1882: *Scarus perrico*
Scarus persicus Randall & Bruce, 1983: *Scarus persicus*
Scarus perspicillatus Steindachner, 1879:
Chlorurus perspicillatus
Callyodon philippinus Fowler, 1918: *Chlorurus japonensis*
Callyodon pindae Smith, 1956: *Scarus falcipinnis*
Scarus pinguirostratus Fowler, 1904: *Hipposcarus longiceps*
Pseudoscarus platodoni Seale, 1901: *Chlorurus sordidus*
Scarus pleianus Poey, 1861: *Scarus guacamaia*
Pseudoscarus plumbeus Bean, 1912: *Scarus coelestinus*
Scarus prasiognathos Val., 1840: *Scarus prasiognathos*
Sparus prasiophthalmus Richardson, 1843: *nomen nudum*
Scarus pronus Fowler, 1900: *Scarus globiceps*
Scarus psittacus Forsskål, 1775: *Scarus psittacus*
Scarus pulchellus Rüppell, 1835: *Cetoscarus bicolor*
Scarus punctulatus Val., 1840: *Scarus iseri*
Scarus purpureus Val. 1840: *Chlorurus sordidus*
Callyodon pyrrhurus Jordan & Seale, 1906:
Chlorurus japonensis
Scarus pyrrosethous australianus Paradise, 1927:
Scarus ghobban
Scarus pyrrosethous Richardson, 1846: *Scarus ghobban*
Scarus quadrispinosus Val., 1840: *nomen dubium*
Scarus quoyi Bleeker, 1853: *Chlorurus bleekeri*
Scarus quoyi Val., 1840: *Scarus quoyi*
Scarus radians Val., 1840: *Sparisoma radians*
Scarus randalli Schultz, 1958: *Scarus frenatus*
Scarichthys rarotongae Seale, 1906: *Calotomus carolinus*
Hemistoma reticulata Swainson, 1839: *Scarus ghobban*
Calliodon retractus Poey, 1868: *Nicholsina usta*
Chlorurus rhakoura Randall & Anderson, 1997: *C. rhakoura*
Pseudoscarus rhoduropterus Bleeker, 1861?: *Chlorurus troschellii*
Sparisoma rhomaleum Meek & Hildebrand, 1928: *S. rubripinne*
Pseudoscarus richardsoni Castelnau, 1875: *nomen dubium*
Scarus rivulatooides Bleeker, 1847: *Scarus rivulatus*
Scarus rivulatus Val., 1840: *Scarus rivulatus*
Scarus roseiceps Val., 1840: *Cetoscarus bicolor*
Scarus roseiventer Fowler, 1944: *Scarus vetula*
Cryptotomus roseus Cope, 1871: *Cryptotomus roseus*
Callyodon rostratus Seale, 1910: *Chlorurus sordidus*
Pseudoscarus rostratus Günther, 1909: *Scarus rubroviolaceus*
Scarus rostratus Poey, 1860: *Scarus coelestinus*
Scarus rostratus Shaw, 1803: *nomen dubium*
Callyodon ruberrimus Jordan & Seale, 1906:
Scarus rubroviolaceus
Scarus rubiginoides Guichenot, 1865: *Sparisoma cretense*
Scarus rubiginosus Val., 1840: *Sparisoma cretense*
Scarus rubripinnis Val., 1840: *Sparisoma rubripinne*
Callyodon rubrofasciatus Smith, 1956: *Scarus caudofasciatus*
Scarus rubronotatus Val., 1840: *Leptoscarus vaigiensis*
Scarus rubroviolaceus Bleeker, 1847: *S. rubroviolaceus*
Scarus ruppelii Val., 1840: *Hipposcarus harid*
Scarus russelii Val., 1840: *Scarus russelii*
Scarus scaber Val., 1840: *Scarus scaber*
Scarus scabriusculus Val., 1840: *Scarus ghobban*
Pseudoscarus schlegeli Bleeker, 1861: *Scarus schlegeli*
Hipposcarus schultzi Smith, 1959: *Hipposcarus longiceps*
Callyodon scriptus Gronow in Gray, 1854: *Cetoscarus bicolor*
Scarus sexvittatus Rüppell, 1835: *Scarus frenatus*
Callyodon shimoniensis Smith, 1953: *Bolbometopon muricatum*
Scarus siculus Cocco, 1846: *Sparisoma cretense*
Pseudoscarus simplex Poey, 1865: *Scarus coelestinus*
Scarus singaporensis Bleeker, 1852: *Scarus prasiognathos*
Calotomus snyderi Jenkins, 1903: *Calotomus carolinus*
Scarus sordidus Forsskål, 1775: *Chlorurus sordidus*
Callyodon speigleri Smith, 1956: *Scarus ghobban*
Pseudoscarus spilonotus Kner, 1868: *Scarus globiceps*
Scarus spilurus Val., 1840: *Chlorurus sordidus*
Scarus spinidens Guichenot, 1865: *Sparisoma rubripinne*
Scarus spinidens Quoy & Gaimard, 1824: *Calotomus spinidens*
Pseudoscarus spinus Kner, 1868: *Scarus spinus*
Scarus squalidus Poey, 1860: *Sparisoma chrysopterum*
Scarus striatus Val., 1840: *nomen dubium*
Scarus strigatus Günther, 1862: *Sparisoma strigatum*
Pseudoscarus strigipinnis De Vis, 1885: *Scarus globiceps*
Scarus strongylocephalus Bleeker, 1854:
Chlorurus strongylocephalus
Scarus sumbawensis Bleeker, 1848?: *Chlorurus sordidus*
Scarus superbus Poey, 1860: *Scarus vetula*
Callyodon swicensis Val., 1840: *Calotomus carolinus*
Scarus taeniopterus Desmarest, 1831: *Scarus taeniopterus*
Scarus taeniurus Val., 1840: *Scarus psittacus*
Scarus toshi Whitley, 1933: *Scarus ghobban*
Scarus tricolor Bleeker, 1847: *Scarus tricolor*
Scarus trilobatus Lacepède, 1802: *Scarus coeruleus*

Scarus trispinosus Val., 1840: *nomen dubium*
Scarus troschelii Bleeker, 1853: *Chlorurus troschelii*
Scarus truncatus Poey, 1868: *Sparisoma rubripinne*
Scarus turchesius Val., 1840: *Scarus guacamaia*
Callyodon ultramarinus Jordan & Seale, 1906: *C. microrhinos*
Callyodon upolensis Jordan & Seale, 1906: *Scarus frenatus*
Callyodon urbanus Smith, 1959: *Scarus tricolor*
Nicholsina usta collettei Schultz, 1968: *Nicholsina usta*
Callyodon ustus Val., 1840: *Nicholsina usta*
Scarus vaigiensis Quoy & Gaimard, 1824: *Leptoscarus vaigiensis*
Scarus variegatus Val., 1840: *Chlorurus sordidus*
Scarus venosus Val., 1840: *Scarus psittacus*
Callyodon vermiculatus Fowler & Bean, 1928: *Scarus frenatus*
Callyodon verweyi de Beaufort, 1940: *Scarus festivus*
Scarus vetula Bloch & Schneider, 1801: *Scarus vetula*
Scarus virens Val., 1840?: *Sparisoma chrysopterum*
Scarus virginalis Jordan & Swain, 1884: *S. taeniopterus*
Pseudoscarus viridescens Castelnau, 1875: *nomen dubium*
Scarus viridescens Rüppell, 1835: *Calotomus viridescens*
Callyodon viridibusius Fowler & Bean, 1928: *Scarus tricolor*
Callyodon viridifucatus Smith, 1956: *Scarus viridifucatus*
Scarus viridis Bloch, 1790: *Chlorurus japonensis*
Scarus viridis Bonnaterre, 1788: *Sparisoma viride*
* *Scarus visayanus* Herre, 1933: *Scarus tricolor*
Pseudoscarus vitriolinus Bryan, 1906: *Chlorurus sordidus*
Callyodon waigiensis Val., 1840: *Calotomus spinidens*
Callyodon waitei Seale, 1906: *Scarus altipinnis*
Labrus xantherythrus Rafinesque 1810: *Sparisoma cretense*
Scarus xanthopleura Bleeker, 1853: *Scarus xanthopleura*
Calotomus xenodon Gilbert, 1890: *Calotomus carolinus*
Sparisoma xystrodon Jordan & Swain, 1884: *S. radians*
Scaridea zonarcha Jenkins, 1903: *Calotomus zonarchus*
Pseudoscarus zonatus Macleay, 1883: *Scarus oviceps*
Callyodon zonularis Jordan & Seale, 1906: *Scarus dimidiatus*
Scarus zufar Randall & Hoover, 1995: *Scarus zufar*

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REFERENCES

- AGASSIZ, L. 1846. *Nomenclatoris Zoologici. Index universalis, continens nomina systematica classium, ordinum, familiarum et generum animalium omnium, tam viventium quam fossilium, secundum ordinem alphabeticum unicum disposita...* Soloduri. Nomencl. Zool. Index; viii + 393 pp.
- ALLEN, G.R. 1973. *Bodianus bimaculatus*, a new species of wrasse (Pisces: Labridae) from the Palau Archipelago. *Proc. Biol. Soc. Wash.* 86 (32): 385-390.
- ALLEN, G.R. 1974. A review of the labrid genus *Paracheilinus*, with description of a new species from Melanesia. *Pac. Sci.* 28(4): 449-455.
- ALLEN, G. R. 1983. A new genus and species of wrasse (Pisces: Labridae) from Rowley Shoals, Western Australia. *Rev. fr. Aquariol.* 10(2): 43-46.
- ALLEN, G.R. 1985. Fishes of western Australia. In *Pacific marine fishes* (W.E. Burgess and H.R. Axelrod eds) Book 9: 2199-2534. T.F.H. Publications Inc., Neptune City, N.J.
- ALLEN, G.R. 1995a. A new species of wrasse (Labridae: *Cirrhilabrus*) from Western Australia. *Rev. fr. Aquariol.* 22(1-2): 14-18.
- ALLEN, G.R. 1995b. *Thalassoma robertsoni*, a new species of wrasse (Labridae) from Clipperton Id Tropical Eastern Pacific. *Rev. fr. Aquariol.* 22: 75-79.
- ALLEN, G.R. 1999. Description of a new wrasse (Pisces: Labridae: *Cirrhilabrus*) from North-western Australia. *Rev. fr. Aquariol.* 25(3-4) [1998]: 119-122.
- ALLEN, G.R. & R.H. KUITERT. 1999. Descriptions of two new wrasses of the genus *Cirrhilabrus* (Labridae) from Indonesia. *Aqau, J. Ichthyol. Aquat. Biol.* 3(4): 133-140.
- ALLEN, G.R. & J.E. RANDALL. 1996. Three new species of wrasses (Labridae: *Cirrhilabrus*) from Papua New Guinea and the Solomon Ids. *Rev. fr. Aquariol.* 23(3-4) 101-111.
- ALLEN, G.R. & D.R. ROBERTSON. 1992. Deux nouvelles espèces de Girelles (Labridae: *Halichoeres*) du Pacific oriental tropical. *Rev. fr. Aquariol.* 19 (1-2): 47-52.
- ALLEN, G.R. & D.R. ROBERTSON. 1994. Fishes of the Eastern Tropical Pacific. Crawford House Press, Bathurst; 332 pp.
- ALLEN, G.R. & D.R. ROBERTSON. 1995. *Xyrichtys wellingtoni*, a new species of wrasse (Labridae) from Clipperton Id, tropical eastern Pacific Ocean. *Rev. fr. Aquariol.* 22: 80-82.
- ALLEN, G.R. & R.C. STEENE. 1979. The fishes of Christmas Id, Indian Ocean. Special Publication of the Australian National Parks and Wildlife Service, Canberra, Australia. 81 pp.
- ALLEYNE, H.G. & W. MACLEAY. 1877. The Ichthyology of the Chevert Expedition. *Proc. Linn. Soc. N. S. W.* 1: 321-359.
- AMAOKA, K., K. NAKAYA, T. KANAYAMA, E. YAMAMOTO, H. IDA, F. MITANI et al. 1982. Fishes of the Kiushu-Palau Ridge and Tosa Bay. Japan Fisheries Resource Conservation Association, Tokyo; 435 pp.

- ANDERSON C. 1996. Common reef fishes of Sri Lanka. Wildlife Heritage Trust of Sri Lanka, Colombo; 80 pp.
- ARAGA, C. & T. YOSHINO. 1986. A new species of deep-dwelling razorfish from Japan. *Publ. Seto Mar. Biol. Lab.* 31: 75-79.
- ARTEDI, P. 1738. *Synonymia nominum piscium fere omnium*. Ichthyologie pars IV. Lugduni Batavorum apud Conradum Wishoff; iii + 140 pp.
- ASCANIUS, P. 1767. *Icones rerum naturalium*, ou figures enluminées d'histoire naturelle du Nord. Copenhague. Cahier 1: 22 pp., 9 pls.
- ASCANIUS, P. 1772. *Icones rerum naturalium*, ou figures enluminées d'histoire naturelle du Nord. Copenhague. Cahier 2: 8 pp., 9 pls.
- AYLING, A.M. & B.C. RUSSELL. 1977. The labrid fish genus *Pseudojuloides*, with description of a new species. *Austr. Zool.* 19(2): 169-178.
- AYRES, W.O. 1854. [Description of new fishes from California] The Pacific, vol. 3 and 4 (thru no. 6): Several articles. [Also in *Proc. Calif. Acad. Nat. Sci.* 1: 3-22].
- AYRES, W.O. 1859. [On new fishes of the California coast]. *Proc. Calif. Acad. Nat. Sci.* 2: 25-32.
- AZEVEDO, J.M.N. 1999. *Centrolabrus caeruleus* sp. nov., a long unrecognized species of marine fish (Teleostei, Labridae) from the Azores. *Bocagiana* 196: 1-11.
- BALDWIN, C.C. & J.E. McCOSKER. (In press). Wrasses of the Galapagos Islands, with the description of a new deepwater species of *Halichoeres* (Perciformes: Labridae). in Robertson, D.R. and P.A. Hastings (eds.). Systematics of tropical eastern Pacific fishes. *Rev. Biol. Trop.* (In press).
- BARNARD, K.H. 1927. A monograph of marine fishes of South Africa. Part II (Teleostei - Discocephali to end. Appendix) *Ann. S. Afr. Mus.* 21(2): 417-1065.
- BAUCHOT, M.-L. 1963. Catalogue des types de poissons du Muséum National d'Histoire Naturelle: Famille des Labridae. *Publ. div. Mus. natn. His. nat.*, Paris, 20: 1-113.
- BAUCHOT, M.-L. 1969. Etude d'une collection récoltée au cours des campagnes de chalutage dans le Golfe de Guinée (G.T.S. 1963-64) *Bull. Mus. natn. Hist. nat.* (Ser. 2) 41(2): 410-425.
- BAUCHOT, M.-L. & M. BLANC. 1961. Poissons marine de l'Est Atlantique tropical. I. Labroidei (Téléostéens Perciformes) *Atl. Rep.* 6: 1-64.
- BAUCHOT, M.-L. & J. GUIBÉ. 1960. Catalogue des types de poissons du Muséum national d'Histoire naturelle. Famille des Scaridae. *Bull. Mus. natn. His. nat.*, 32(4): 290-300.
- BAUCHOT, M.-L. & J. GUIBÉ. 1961. Addendum au catalogue des types de poissons du Muséum national d'Histoire naturelle. Famille des Scaridae. *Bull. Mus. natn. His. nat.*, 33(3): 259.
- BAUCHOT, M.-L. & J.P. QUIGNARD. 1973. Labridae, p. 426-443. In: J.C. Hureau & T. Monod (eds.) Check-list of the fishes of the north-eastern Atlantic and of the Mediterranean. Unesco, Paris. Vol. 1.
- BAILEY, R.M. 1997. Comments on the proposed conservation of the names *Labrus* Linnaeus, 1758, *Cichlasoma* Swainson, 1839 and *Polycentrus* Müller & Troschel, 1848 by the designation of neotypes for *Labrus bimaculatus* Linnaeus, 1758 and *L. punctatus* Linnaeus, 1758 (Osteichthyes, Perciformes). *Bull. Zool. Nom.* 54(2): 106-109.
- BEAN, T.H. 1891. Notes on fishes collected at Cozumel, Yucatan, by the U.S. fish Commission, with descriptions of new species. *Bull. U.S. Fish. Comm.* 8: 193-206.
- BEAN, T.H. 1906. Descriptions of new Bermudian fishes. *Proc. Biol. Soc. Wash.* 19: 29-34.
- BEAN, T.H. 1912. Description of new fishes from Bermuda. *Proc. Biol. Soc. Wash.* 25: 121-126.
- BEBARS, M.I. 1978. *Scarus ghardquensis*, n. sp., a new parrotfish (Pisces, Scaridae) from the Red Sea, with a note on a sexual dichromatism in the family. *Cybium* 3(3): 76-81.
- BEEBE, W. & J. TEE-VAN. 1932. New Bermuda fish, including six new species and forty-three species hitherto unrecorded from Bermuda. *Zoologica* 13(5): 109-120.
- BEEBE, W. & J. TEE-VAN. 1933. Nomenclatural notes on the shore fishes of Bermuda. *Zoologica* 13(7): 133-158.
- BELLWOOD, D.R. 1994. A phylogenetic study of the parrotfishes family Scaridae (Pisces: Labroidei), with a revision of the genera. *Rec. Austr. Mus. Suppl.* 20: 1-86.
- BELLWOOD, D.R. & J.E. RANDALL. 2000. *Pseudojuloides severnsi*, a new species of wrasse from Indonesia and Sri Lanka (Perciformes: Labridae). *J. South Asian Nat. Hist.* 5(1): 1-5.
- BENNETT, E.T. 1828a. Description of a new species of *Julis* Cuvier. *Zool. J. London* 3: 577-578.
- BENNETT, E.T. 1828b. Observations on the fishes contained in the collection of the Zoological Society. On some fishes from the Sandwich Islands. *Zool. J. London* 4: 31-43.
- BENNETT, E.T. 1830. Class Pisces. Pp. 686-694. In: Memoir of the Life and Public Services of Sir Thomas Stamford Raffles... By his Widow (Lady Stamford Raffles) London, 701 pp. [Most workers cite Bennett as author, but there is no internal evidence that he was the author].
- BENNETT, E.T. 1831. Observations on a collection of fishes from the Mauritius presented by Mr. Telfair with character of new genera and species. *Proc. Zool. Soc. London* 1831: 126-128.
- BENNETT, E.T. 1832a. Observations on a collection of fishes from the Mauritius presented by Mr. Telfair with character of new genera and species. *Proc. Zool. Soc. London* 1831: 165-169.
- BENNETT, E.T. 1832b. Characters of several new species of fishes from Ceylon presented by Dr. Sibbald. *Proc. Zool. Soc. London* 1832: 182-184.
- BENNETT, E.T. 1832c. Characters of two new species of fishes, from the Mauritius, presented by Mr. Telfair. *Proc. Zool. Soc. London* 1832: 184.
- BENNETT, E.T. 1835. Characters of several previously undescribed fishes from Trebizond. *Proc. Zool. Soc. London* 1835: 91-92.
- BENNETT, E.T. 1836. Characters of several fishes from the Isle of France. *Proc. Zool. Soc. London* 1836: 206-208.
- BENNETT, J.W. 1828. A selection from the most remarkable and interesting fishes found on the coast of Ceylon. London. First edition. Part 1: 1-10.
- BENNETT, J.W. 1829. A Selection from the Most Remarkable and Interesting Fishes Found on the Coast of Ceylon. London. First edition. Part 2: 11-15
- BENNETT, J.W. 1830. A Selection from the Most Remarkable and Interesting Fishes Found on the Coast of Ceylon. London. First edition. Part 3: 16-30.
- BENNETT, J.W. 1834. A selection from the most remarkable and interesting fishes found on the coast of Ceylon. London. Second edition; 30 pp.
- BENNETT, J.W. 1841. A selection from the most remarkable and interesting fishes found on the coast of Ceylon. London. Third edition; 30 pp.
- BIANCONI, G.G. 1857. *Specimena Zoologica Mosambicana quibus vel novae vel minus notae animalium species illustrantur*. Bononiae. *Rend. Acad. Sci. Ist. Bologna* 10: 215-230.
- BINI, G. 1968. Perciformi (Percoidei) Atlante dei pesci delle coste Italiane. Vol. 5. Mondo Sommerso Editrice, Milano, 175 pp. + 22 figs.
- BLEEKER, P. 1845. Bijdragen tot de geneeskundige Topographie van Batavia. Generisch overzicht der Fauna. *Natuur. Geneesk. Arch. Ned. Indië* 2: 505-528.
- BLEEKER, P. 1847. *Pharyngognathorum Siluroideorumque species noave javanenes*. *Natuur. Geneesk. Arch. Ned. Indië* 4 (2): 155-169.
- BLEEKER, P. 1849a. Overzicht der te Batavia voorkomende

- Gladschubbig Labroïden, met beschrijving van 11 nieuwe species. *Verh. Batav. Genootsch. Kunst. Wet.* 22: 1-64.
- BLEEKER, P. 1849b. Bijdrage tot de kennis der ichthyologische fauna van het eiland Bali, met beschrijving van eenige nieuwe species. *Verh. Batav. Genootsch. Kunst. Wet.* 22: 1-11.
- BLEEKER, P. 1851a. *Cheilinoïdes* een nieuw geslacht van gladschubbig Labroïden van Batavia. *Natuurkd. Tijdschr. Neder.-Indië* 2: 71-72.
- BLEEKER, P. 1851b. Bijdrage tot de kennis der ichthyologische fauna van de Banda-eilanden. *Natuurkd. Tijdschr. Neder.-Indië* 2: 225-261.
- BLEEKER, P. 1851c. Bijdrage tot de kennis der ichthyologische fauna van Riouw. *Natuurkd. Tijdschr. Neder.-Indië* 2: 469-497.
- BLEEKER, P. 1852a. Bijdrage tot de kennis der ichthyologische fauna van Singapore. *Natuurkd. Tijdschr. Neder.-Indië* 3: 51-86.
- BLEEKER, P. 1852b. Bijdrage tot de kennis der ichthyologische fauna van Timor. *Natuurkd. Tijdschr. Neder.-Indië* 3: 159-174.
- BLEEKER, P. 1852c. Bijdrage tot de kennis der ichthyologische fauna van de Moluksche Eilanden. Visschen van Amboina en Ceram. *Natuurkd. Tijdschr. Neder.-Indië* 3: 229-309.
- BLEEKER, P. 1852d. Nieuwe bijdrage tot de kennis der ichthyologische fauna van Amboina. *Natuurkd. Tijdschr. Neder.-Indië* 3: 545-568.
- BLEEKER, P. 1852e. Nieuwe vischen van Banda Neira. *Natuurkd. Tijdschr. Neder.-Indië* 3: 643-646.
- BLEEKER, P. 1852f. Nieuwe bijdrage tot de kennis der ichthyologische fauna van het eiland Banka. *Natuurkd. Tijdschr. Neder.-Indië* 3: 715-738.
- BLEEKER, P. 1852g. Derde bijdrage tot de kennis der ichthyologische fauna van Celebes. *Natuurkd. Tijdschr. Neder.-Indië* 3: 739-782.
- BLEEKER, P. 1853a. Derde bijdrage tot de kennis der ichthyologische fauna van Amboina. *Natuurkd. Tijdschr. Neder.-Indië* 4: 91-130.
- BLEEKER, P. 1853b. Bijdrage tot de kennis der ichthyologische fauna van Ternate. *Natuurkd. Tijdschr. Neder.-Indië* 4: 131-140.
- BLEEKER, P. 1853c. Diagnostische beschrijvingen van nieuwe of weinig bekende vischsoorten van Sumatra. Tiental V-X. *Natuurkd. Tijdschr. Neder.-Indië* 4: 243-302.
- BLEEKER, P. 1853d. Diagnostische beschrijvingen van nieuwe of weinig bekende vischsoorten van Batavia. Tiental I-IV. *Natuurkd. Tijdschr. Neder.-Indië* 4: 451-516.
- BLEEKER, P. 1853e. Nieuwe bijdrage tot de kennis der ichthyologische fauna van Ternate en Halmahera (Gilolo). *Natuurkd. Tijdschr. Neder.-Indië* 4: 595-610.
- BLEEKER, P. 1853f. Bijdrage tot de kennis der ichthyologische fauna van Solor. *Natuurkd. Tijdschr. Neder.-Indië* 5: 67-96.
- BLEEKER, P. 1853g. Vierde bijdrage tot de kennis der ichthyologische fauna van Celebes. *Natuurkd. Tijdschr. Neder.-Indië* 5: 153-174.
- BLEEKER, P. 1853h. Vierde bijdrage tot de kennis der ichthyologische fauna van Amboina. *Natuurkd. Tijdschr. Neder.-Indië* 5: 317-352.
- BLEEKER, P. 1853i. Nalezingen op de ichthyologie van Japan. *Verh. Batav. Genootsch. Kunst. Wet.* 25: 1-56.
- BLEEKER, P. 1854a. Bijdrage tot de kennis der ichthyologische fauna van Halmahera (Gilolo). *Natuurkd. Tijdschr. Neder.-Indië* 6: 49-62.
- BLEEKER, P. 1854b. *Species piscium bataviensium novae vel minus cognitae*. *Natuurkd. Tijdschr. Neder.-Indië* 6: 191-202.
- BLEEKER, P. 1854c. Bijdrage tot de kennis der ichthyologische fauna van het eiland Flores. *Natuurkd. Tijdschr. Neder.-Indië* 6: 311-338.
- BLEEKER, P. 1854d. Faunae ichthyologicae japonicae species novae. *Natuurkd. Tijdschr. Neder.-Indië* 6: 395-426.
- BLEEKER, P. 1854e. Vijfde bijdrage tot de kennis der ichthyologische fauna van Celebes. *Natuurkd. Tijdschr. Neder.-Indië* 7: 225-260.
- BLEEKER, P. 1854f. *Specierum piscium javanensium novarum vel minus cognitae diagnoses adumbratae*. *Natuurkd. Tijdschr. Neder.-Indië* 7: 415-488.
- BLEEKER, P. 1855a. Bijdrage tot de kennis der ichthyologische fauna van de Batoe-eilanden. *Natuurkd. Tijdschr. Neder.-Indië* 8: 305-328.
- BLEEKER, P. 1855b. Visschen van de Duizend-eilanden. *Natuurkd. Tijdschr. Neder.-Indië* 8: 344.
- BLEEKER, P. 1855c. Zesde bijdrage tot de kennis der ichthyologische fauna van Amboina. *Natuurkd. Tijdschr. Neder.-Indië* 8: 391-434.
- BLEEKER, P. 1855d. Vierde bijdrage tot de kennis der ichthyologische fauna van de Kokos-eilanden. *Natuurkd. Tijdschr. Neder.-Indië* 8: 445-460.
- BLEEKER, P. 1855e. Achtste bijdrage tot de kennis der ichthyologische fauna van Celebes. *Natuurkd. Tijdschr. Neder.-Indië* 9: 281-314.
- BLEEKER, P. 1856a. Beschrijvingen van nieuwe of weinig bekende vischsoorten van Amboina, verzameld op eene reis door den Molakschen Archipel, gedaan in het gevolg van den Gouverneur-Generaal Duymaer van Twist in September en October 1855. *Acta Soc. Sci. Indo-Neerl.* 1: 1-76.
- BLEEKER, P. 1856b. Beschrijvingen van nieuwe of weinig bekende vischsoorten van Manado en Makassar grootendeels verzameld op eene reis naar den Molakschen Archipel in het gevolg van den Gouverneur-Generaal Duymaer van Twist. *Acta Soc. Sci. Indo-Neerl.* 1: 1-80.
- BLEEKER, P. 1856c. Zevende bijdrage tot de kennis der ichthyologische fauna van Ternate. *Natuurkd. Tijdschr. Neder.-Indië* 10: 357-386.
- BLEEKER, P. 1856d. Verslag omtrent eenige vischsoorten gevangen aan de Zuidkust van Malang in Oost-Java. *Natuurkd. Tijdschr. Neder.-Indië* 11: 81-92.
- BLEEKER, P. 1856e. Bijdrage tot de kennis der ichthyologische fauna van Nias. *Natuurkd. Tijdschr. Neder.-Indië* 12: 211-228.
- BLEEKER, P. 1856f. Derde bijdrage tot de kennis der ichthyologische fauna van de Batoe-eilanden. *Natuurkd. Tijdschr. Neder.-Indië* 12: 229-242.
- BLEEKER, P. 1856g. *Index specierum piscium malayomoluccensium in voluminibus 1-10 Diarii Societatis Indo-Batavae descriptarum*. *Natuurkd. Tijdschr. Neder.-Indië* 10: 472-500.
- BLEEKER, P. 1857a. Tweede bijdrage tot de kennis der ichthyologische fauna van Boeroe. *Natuurkd. Tijdschr. Neder.-Indië* 13: 55-82.
- BLEEKER, P. 1857b. *Descriptiones specierum piscium javanensium novarum vel minus cognitae diagnosticae*. *Natuurkd. Tijdschr. Neder.-Indië* 13: 323-368.
- BLEEKER, P. 1857c. Achtste bijdrage tot de kennis der vischfauna van Amboina. *Acta Soc. Sci. Indo-Neerl.* 2: 1-102.
- BLEEKER, P. 1858a. Tiende bijdrage tot de kennis der vischfauna van Amboina. *Acta Soc. Sci. Indo-Neerl.* 3: 1-4.
- BLEEKER, P. 1858b. Zesde bijdrage tot de kennis der vischfauna van Sumatra (Visschen van Padang, Troessan, Priaman, Sibogha en Palembang). *Acta Soc. Sci. Indo-Neerl.* 3: 1-50.
- BLEEKER, P. 1858c. Vierde Bijdrage tot de kennis der vischfauna van Biliton. *Natuurkd. Tijdschr. Neder.-Indië* 15: 219-240.
- BLEEKER, P. 1859a. Derde bijdrage tot de kennis der ichthyologische fauna van Bali. *Natuurkd. Tijdschr. Neder.-Indië* 17: 141-175.
- BLEEKER, P. 1859b. Bijdrage tot de kennis der vischfauna van Nieuw-Guinea. *Acta Soc. Sci. Indo-Neerl.* 6: 1-24.

- BLEEKER, P. 1859c. Over eenige vischsoorten van de Zuidkust-wateren van Java. *Natuurkd. Tijdschr. Neder.-Indië* 19: 329-352.
- BLEEKER, P. 1859d. *Enumeratio specierum piscium hucusque in Archipelago Indico observatarum, adjectis habitationibus citationibusque ubi descriptiones earum recentiores reperiuntur, nec non speciebus Musei Bleekeriani Bengalensibus, Japonicis, Capensibus Tasmanicisque. Acta Soc. Sci. Indo-Neerl.* 6: i-xxvi, 1-276.
- BLEEKER, P. 1860a. Achtste bijdrage tot de kennis der vischfauna van Sumatra. Visschen van Benkoelen, Priaman, Tandjong, Palembang en Djambi. *Acta Soc. Sci. Indo-Neerl.* 8 (art. 2): 1-88.
- BLEEKER, P. 1860b. Elfde bijdrage tot de kennis der vischfauna van Amboina. *Acta Soc. Sci. Indo-Neerl.* 8(5): 1-14.
- BLEEKER, P. 1860c. Dertiende Bijdrage tot de kennis der vischfauna van Celebes. Visschen van Bonthain, Badjoa, Sindjai, Lagoesi en Pompenoea. *Acta Soc. Sci. Indo-Neerl.* 8: 1-60.
- BLEEKER, P. 1861a. Iets over de vischfauna van het eiland Pinang. *Versl. Akad. Amst.* 12: 64-80.
- BLEEKER, P. 1861b. Iets over de geslachten der Scaroiden en hunne Indisc-archipelagische soorten. *Versl. Akad. Amst.* 12: 228-244.
- BLEEKER, P. 1862a. *Conspectus generum Labroideorum analyticus. Proc. Zool. Soc. London* 1861 (pt 3): 408-418.
- BLEEKER, P. 1862b. *Synonyma Labroideorum Indo-archipelagicorum hucusque observatorum revisa, adjectis specierum novarum descriptionibus. Versl. Akad. Amst.* 13: 274-308.
- BLEEKER, P. 1862c. Notices ichthyologiques (III) Sur deux nouvelle espèce de *Scarus*. *Versl. Akad. Amst.* 14: 126-128.
- BLEEKER, P. 1862d. Notices ichthyologiques (IV) Sur une nouvelle espèce de *Cossyphus (oxycephalus)*. *Versl. Akad. Amst.* 14: 128-130.
- BLEEKER, P. 1862e. Notices ichthyologiques (V) Sur une nouvelle espèce de *Pseudolabre (Güntheri)* de la Nouvelle Hollande. *Versl. Akad. Amst.* 14: 130-133.
- BLEEKER, P. 1862f. Atlas Ichthyologique des Indes Orientales Néerlandaises, publié sous les auspices du Gouvernement colonial néerlandais. Frédéric Muller, Amsterdam. Vol. 1. Scaroides et Labroides: xxi + 168 pp, 48 pls.
- BLEEKER, P. 1863. Mémoire sur les poissons de la côte de Guinée. *Nat. Verh. Holland. Maatsch. Wet.* (2) 18: 1-136.
- BLEEKER, P. 1865. Description de quelques espèce de poissons du Japon, du Cap de Bonne Espérance et de Suriname, conservée au Musée de Leide. *Ned. Tijdschr. Dierk.* 2: 250-269.
- BLEEKER, P. 1866. Description d'une espèce inédite de *Cheilinus*. *Ned. Tijdschr. Dierk.* 3: 134-135.
- BLEEKER, P. 1868. Description de deux espèce inédites de *Choerops*. *Arch. Neerl. Sc. Nat.* 3: 273-277.
- BLEEKER, P. 1871. Description de deux espèce inédites de Labroides d'Amboine. *Arch. Neerl. Sc. Nat.* 6: 326-328.
- BLEEKER, P. 1873. Addition au mémoire sur la faune ichthyologique de Chine. *Ned. Tijdschr. Dierk.* 4: 233-234.
- BLEEKER, P. 1875. Poissons de Madagascar et de l'île de Réunion des collections de MM. Pollen et Van Dam. In: Recherches sur la faune de Madagascar et de ses dépendances d'après les découvertes de François P.L. Pollen et D.C. van Dam. Leide. Part 4: 1-104.
- BLEEKER, P. 1878. Quatrième mémoire sur la faune ichthyologique de la Nouvelle-Guinée. *Arch. Néerl. Sc. Nat.* 13: 35-66.
- BLISS, R. 1883. Descriptions of new species of Mauritian fishes. *Trans. R. Soc. Mauritius* [1879] 13: 45-63.
- BLOCH, M. E. 1786. Naturgeschichte der ausländischen Fische. Berlin, 2; viii + 160 pp., 36 pls.
- BLOCH, M.E. 1789. Charaktere und Beschreibung des Geschlechts der Papageyische, *Callyodon*. *Abh. Böhm. Ges. Wissen.* [1788] 4: 242-248.
- BLOCH, M.E. 1790. Naturgeschichte der ausländischen Fische. Berlin, 4; xii + 128 pp., 36 pls.
- BLOCH, M.E. 1791. Naturgeschichte der ausländischen Fische. Berlin, 5; viii + 152 pp., 36 pls.
- BLOCH, M.E. 1792. Naturgeschichte der ausländischen Fische. Berlin, 6; xii + 126 pp., 35 pls.
- BLOCH, M.E. & J. G. SCHNEIDER. 1801. *Blochii Systema Ichthyologiae iconibus CX illustratum. Post obitum auctoris opus inchoatum absolvit, correxit, interpolavit* Jo. Gottlob Schneider, Saxo. Berolini. *Sumtibus Austoris Impressum et Bibliopolio Sanderiano Commissum*; lx + 584 pp., 110 pls.
- BONAPARTE, C.L. Principe. 1831-32. Saggio di una distribuzione metodica degli animali vertebrati, (1831) 78 pp. Saggio d'una distribuzione vertebrati a sangue freddo, (1832) 86 pp.
- BONAPARTE, C.L. Principe. 1846. Catalogo metodico dei pesci Europei. Napoli; 97 pp.
- BONNATERRE, J.P. 1788. Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie. Paris; lvi + 215 pp., pls A,B + 100.
- BORY DE SAINT-VINCENT, J. B. G. M. 1831. Dictionnaire classique d'Histoire Naturelle. 17 Tomes / par Messieurs [J. V.] Audouin, I. Bourdon ... et Bory de Saint-Vincent. Ouvrage dirigé par ce dernier collaborateur, Paris, 1822-31.
- BOULENGER, G.A. 1890. Pisces, p. 483. In: H.N. Ridley, Notes on the zoology of Fernando Noronha. *J. Linn. Soc.* 20: 473-570.
- BOWDICH, S.L. 1825. Fishes of Madeira. In: T.E. Bowdich. Excursion in Madeira and Porto Santo during the autumn of 1823, while on his third voyage to Africa. London; 278 pp.
- BÖHLKE, E. B. 1984. Catalog of type specimens in the ichthyological collection of the Academy of Natural Sciences of Philadelphia. *Acad. Nat. Sci. Phila. Spec. Publ.* 14: 1-246.
- BREder, C. M. Jr. 1925. Notes on fishes from three Panama localities, Gatun Spillway, Rio Tapica and Caledonia Bay. *Zoologica* 4(4): 137-158.
- BROWNE, P. 1789. The civil and natural history of Jamaica. Second edition. Hist. Jamaica; viii + 490 pp.
- BRUCE, R. W. & J. E. RANDALL. 1985. Revision of the Indo-Pacific parrotfish genera *Calotomus* and *Leptoscarus* (Scaridae: Sparisomatinae) *Indo-Pac. Fishes* 5: 1-32.
- BRÜNNICH, M. T. 1768. *Ichthyologia Massiliensis, sistens piscinum descriptiones eorumque apud incolas nomina. Accedunt Spolia Maris Adriatici*. Hafnie et Lipsiae; 110 pp.
- BRYAN, W. A. 1906. Three new Hawaiian fishes. *Occas. Pap. Bernice P. Bishop Mus.* 2(4): 22-37.
- BRYAN, W. A. & A.C. HERRE. 1903. Annotated list of the Marcus Island fishes. *Occas. Pap. Bernice P. Bishop Mus.* 2(1): 125-139.
- BUSSING, W. A. 1972. *Halichoeres aestuaricola*, a replacement name for the tropical eastern Pacific labrid fish, *Iridio bimaiculata* Wilson, with a redescription based on new material. *Brenesia* 1: 3-8.
- BUSSING, W. A. 1983. A new tropical eastern Pacific labrid fish, *Halichoeres discolor* endemic to Isla del Coco, Costa Rica. *Rev. Biol. Trop.* 31(1): 19-23.
- BUSSING, W. A. 1987. Peces de las aguas continentales de Costa Rica. Editorial de la Universidad de Costa Rica, San Jose, Costa Rica: 1-271.
- CADENAT, J. & E. MARCHAL. 1963. Résultats des campagne océanographiques de la Reine-Pokou aux îles Sainte-Hélène et Ascension. Poissons. *Bull. Inst. Fr. Afr. Noire*, (A) 25(4): 1235-1315.
- CANESTRINI, G. 1866. Prospetto critico dei pesci d'acqua dolce d'Italia. *Arch. Zool. Anat. Fisiol.* 4: 47-187.
- CANESTRINI, G. 1872. Pesci d'Italia. Parte II. Pesci marini: 37-208. In: Fauna d'Italia, E. Cornalia, Milano 1870-1874, Vol. 3.
- CANTOR, T. E. 1849. Catalogue of Malayan fishes. *J. R. Asiat.*

- Soc. Bengal* 18(2): i-xii + 981-1143.
- CAPORIACCO, L. di. 1921. Revisione delle specie Mediterranee della famiglia "Labridae". *Atti Soc. It. Sc. Nat.* 60: 49-101.
- CAPORIACCO, L. di. 1947. Miscellanea ichthyologica. *Boll. Pesca Piscic. Idrobiol.* 23: 193-205.
- CARMICHAEL, D. 1819. Descriptions of four species of fishes found on the coast of Tristan de Cunha. *Trans. Linn. Soc. London* [1817] 12: 500-502.
- CARTIER, O. 1874. Beschreibungen neuer Pharyngognathen; ein Beitrag zur Kenntnis der Fische des philippinischen Archipels. *Verh. Phys. Med. Ges. Würzburg* 5: 96-105.
- CARUS, J.V. 1893. Vertebrata. 1. Class Pisces: pp 498-711. In: *Prodromus faunae Mediterraneae sive Descriptio Animalium Maris Mediterranei*. Stuttgart, 1893, 2: 854 pp.
- Case 2842. *Naucrates Rafinesque*, 1810 and *Xyrichtys Cuvier*, 1814 (Osteichthyes, Perciformes): proposed conservation. Proposed by Randall, J. E. & M.-L. Bauchot. 1993. *Bull. Zool. Nom.* 50(4): 277-281.
- Case 2905. *Labrus* Linnaeus, 1758, *Cichlasoma* Swainson, 1839 and *Polycentrus* Müller & Troschel, 1848 (Osteichthyes, Perciformes): proposed conservation of usage by the designation of neotypes for *Labrus bimaculatus* Linnaeus, 1758 and *L. punctatus* Linnaeus, 1758. Proposed by R. Fricke & C.J. Ferraris. 1996. *Bull. Zool. Nom.* 53(2): 106-111.
- Case 3051. *Scarus chrysopterus* Bloch & Schneider, 1801 (currently *Sparisoma chrysopterus*; Osteichthyes, Perciformes): proposed conservation of the specific name and designation as the type-species of *Sparisoma* Swainson, 1839. Proposed by R.L. Moura & J.E. Randall. 1998. *Bull. Zool. Nom.* 55(3): 151-154.
- CASTELNAU, F. L. de. 1855. Animaux nouveaux ou rares recueillis pendant l'expédition dans les parties centrales de l'Amérique du sud de Rio de Janeiro à Lima, et de Lima au Para. In: *Expédition dans les parties centrales de l'Amérique du sud pendant les années 1843 à 1847, 7e partie, Zoologie, Poissons*. P. Bertrand, Paris, Vol. 2; xiv + 112 pp.
- CASTELNAU, F. L. de. 1872a. Contributions to the ichthyology of Australia. I. The Melbourne fish market. *Proc. Zool. Acclim. Soc. Victoria* 1: 29-242.
- CASTELNAU, F. L. de. 1872b. Contributions to the ichthyology of Australia. II. Notes on some Australian fishes. *Proc. Zool. Acclim. Soc. Victoria* 1: 243-248.
- CASTELNAU, F. L. de. 1873. Contributions to the ichthyology of Australia. III through IX. *Proc. Zool. Acclim. Soc. Victoria* 2: 37-153.
- CASTELNAU, F. L. de. 1875. Researches on the fishes of Australia. Philadelphia Centennial Expedition of 1876. *Intercol. Exhib. Essays* 2: 1-52.
- CASTELNAU, F. L. de. 1879. Essay on the ichthyology of Port Jackson. *Proc. Linn. Soc. N. S. W.* 3: 347-402.
- CATESBY, M. 1771. The natural history of Carolina, Florida and the Bahama Islands; containing the figures of birds, beasts, fishes, serpents ... with their descriptions in English and French, etc. 3rd. ed. 2 vols. London. Nat. Hist. Carolina
- CERVIGÓN, F. 1982. Los peces marinos de Venezuela. Complemento V. Fundación Científica Los Roques, Caracas-Venezuela. *Peces Venezuela*. V: 1-15.
- CERVIGÓN, F., R. CIPRIANI, W. FISHER, L. GARIBALDI, M. HENDRICKX, A.J. LEMUS, R. MÁRQUEZ, J.M. POUTIERS, G. ROBAINA & B. RODRIGUEZ. 1993. FAO species identification sheets for fishery purposes. Field guide to the commercial marine and brackish-water resources of the northern coast of South America. Rome, FAO; 513 pp.
- CHEN, J. P. & K. T. SHAO. 1995. New species of wrasse, *Pseudocoris ocellatus* (Pisces: Labridae), from Taiwan. *Copeia* 1995 (3): 689-693.
- CHENG, C.-T. & C.-X. WANG. 1979. Description of a new genus and a new species of a labroid fish of China. *Oceanol. Limnol. Sin.* 10(1): 73-76 (In Chinese with English summary).
- CHOAT, J. H. & J. E. RANDALL. 1986. A review of the parrotfishes (Family Scaridae) of the Great Barrier Reef of Australia, with description of a new species. *Rec. Aust. Mus.* 38(4): 175-228.
- CHOAT, J.H. & D.R. ROBERTSON, 1975. Protogynous hermaphroditism in fishes of the family Scaridae, p. 263-283. In: R. Reinboth (ed.) *Intersexuality in the Animal Kingdom* Springer-Verlag, Heidelberg.
- CHU, Y.-T. 1931. *Index Piscium Sinensium*. Biol. Bull. St. John's Univ. Shanghai No. 1: i-iv + 1-290.
- CLARK, H.W. 1936. New and noteworthy fishes. The Templeton Crocker expedition of the California Academy of Sciences, 1932. *Proc. Calif. Acad. Sci.* (Ser. 4) 21: 383-396.
- COCCO, A. 1833. Su alcuni pesci de' mari di Messina. Lettera di Anastasio Cocco al sig. A. Risso membro dell'Accademia Imperiale di Torino, corrispondente della Società Filomatica di Parigi, ecc. *Giorn. Sci. Lett. Arti Sicilia* 42: 9-21.
- COCCO, A. 1840. Su di alcuni nuovi pesci del mare di Messina. Lettera del Professore Anastasio Cocco al Professore Stefano delle Chiaie da Napoli. *Maurolico Giorn. Sc. Lett. Art. Nuovo Periodo Anno Secondo (1839)*, Messina, 4 (5): 236-244.
- COCCO, A. 1846. Intorno ad uno Scaro nel Mare di Messina. *Atti VII Adunanza Scient. Ital.*, Napoli: 748 Also published in *Giorn. Gab. Lett. Messina* 3, Tome 5, fasc. 27 e 28, p. 254.
- COLLETTE, B. B. 1962. *Hemiramphus bermudensis*, a new halfbeak from Bermuda, with a survey of endemism in Bermudian shore fishes. *Bull. Mar. Sci. Gulf Caribb.* 12(3): 432-449.
- COPE, E. D. 1871. Contributions to the ichthyology of the Lesser Antilles. *Trans. Am. Phil. Soc.* 14: 445-483.
- CORNIC, A. 1987. Poissons de l'île de Maurice. Editions de l'Océan Indien. Stanley, Rose-Hill, Mauritius; 335 pp.
- CORSINI, M. & P.S. ECONOMIDIS. 1999. Distribution extension of two lesepian migrants found in the marine area of the island of Rhodes (Aegean Sea, Greece). *Cybius* 23(2): 195-199.
- COSTA, F. 1991. *Atlante dei pesci dei mari italiani*. Mursia Editore, Milano; 429 pp.
- COUCH, J. 1832. Fishes new to the British fauna, contained in Couch's 'History of the fishes of Cornwall'. *Mag. Nat. Hist.* 5: 15-24.
- CUVIER, G.L.F.C.D. 1814. Observations et recherches critiques sur les différentes poissons de la Méditerranée et, a leur occasion, sur des poissons des autres mers plus ou moins lié avec eux. *Bull. Soc. Philomath. Paris* 1814: 80-92.
- CUVIER, G.L.F.C.D. 1815a. Observations et recherches critiques sur différents poissons de la Méditerranée, et à leur occasion sur des poissons d'autres mers, plus ou moins liés avec eux. *Mem. Mus. natn. Hist. nat.* 1: 226-241, 312-330, 353-363, 451-466.
- CUVIER, G.L.F.C.D. 1815b. Mémoire sur la composition de la mâchoire supérieure des poissons, et sur la partie que l'on peut en tirer pour la distribution méthodique de ces animaux. *Mem. Mus natn. Hist. nat.* 1: 102-114.
- CUVIER, G.L.F.C.D. 1816. Le Règne Animal distribué d'après son organization, pour servir de base à l'histoire naturelle des animaux et d'introduction a l'anatomie comparée. Les reptiles, les poissons, les mollusques et les annélides. Paris, 4 Vols, Edition 1. Poissons, Vol. 2: 104-351.
- CUVIER, G.L.F.C.D. 1822. Das Tierreich eingetheilt nach dem Bau der Thiere als Grundlage ihrer Naturgeschichte und der vergleichenden Anatomie. I.G. Cotta'schen, Stuttgart et Tübingen 1821-25, 4 vols. Fishes vol. 2 (1822), pp. 189-153; translation, corrections and additions due to H.R. Schinz
- CUVIER, G.L.F.C.D. 1829. Le Règne Animal distribué d'après son organization, pour servir de base à l'histoire naturelle des animaux et d'introduction a l'anatomie comparée. Nouvelle édition, Paris, 5 Vols. Poissons, Vol. 2; xviii + 532 pp.

- CUVIER, G.L.F.C.D., A.G. DESMAREST, J. GEOFFROY SAINT-HILAIRE et al. 1827. Planches de Seaba. *Locuplentissimi rerum naturalium Thesauri Accurata Descriptio*. Accompagnées d'un text explicatif mis au courant de la Science et rédigé par un réunion de savants. 12ème livraison, F.G. Levrault, Paris.
- CUVIER, G.L.F.C.D. & A. M. VALENCIENNES. 1839. Histoire naturelle des poissons. Des Labroïdes. F.G. Levrault, Paris. Vol. 13; xix + 505 pp.
- CUVIER, G.L.F.C.D. & A. M. VALENCIENNES. 1840. Histoire naturelle des poissons. Suite du livre seizième. Des Labroïdes. Livre dix-septième. Des Malacoptérygiens. Pitois-Levrault, Paris. Vol. 14; xxii + 470 pp.
- DAGET, J. 1968. Les poissons de l'édition allemande du Règne animal de Cuvier. *Bull. Mus. natn. Hist. nat.* 2^e Série, 39(6) 1967: 1057-1059.
- DAY, F. 1867a. On the fishes of Neilgherry Hills and rivers around their bases. *Proc. Zool. Soc. London* 1867 (pt 2): 281-302.
- DAY, F. 1867b. On some new or imperfectly known fishes of Madras. *Proc. Zool. Soc. London* 1867: 558-565.
- DAY, F. 1870. On some of the fishes in the Calcutta museum. Part I, Part II and Part III. *Proc. Zool. Soc. London* (1869): 511-527; 548-560, 611-614.
- DAY, F. 1871. On the fishes of the Andaman Islands. *Proc. Zool. Soc. London* 1871: 677-705.
- DAY, F. 1873. On some new or imperfectly known fishes of India and Burmah. *Proc. Zool. Soc. London* 1873: 236-240.
- DAY, F. 1877. The fishes of India; being a natural history of the fishes known to inhabit the seas and the fresh waters of India, Burma, and Ceylon. Test and atlas in 4 parts. William Dawson & Sons, London. Part 3: 369-552, pls. 79-138.
- DAY, F. 1888. The fishes of India. Supplement, October, 1888. William Dawson, London: 779-816.
- DE BEAUFORT, L. F. 1939a. On some Indo-Pacific genera of Labroid fishes, with the description of a new genus and species. *Bijdr. Dierkd. Leiden* 27: 14-18.
- DE BEAUFORT, L. F. 1939b. *Xenojulis*, a new genus of labroid fishes. *Philip. J. Sci.* 69(4): 415-421.
- DE BEAUFORT, L. F. 1940. The Fishes of the Indo-Australian Archipelago. VIII. Percomorphi (continued) Cirrithoidea, Labriformes, Pomacentriformes. E.J. Brill Ltd., Leiden. Vol. 8; xv + 508 pp.
- DEBELIUS, H. & KUITER, R.H. 1994. Southeast Asia tropical fish guide. IKAN-Unterwasserarchiv, Frankfurt; 321 pp.
- DE PROCÉ, M. 1822. Note sur plusieurs espèces nouvelles des poissons et des crustacés observés dans un voyage de France a Manilla. *Bull. Soc. Philomath. Paris* 1822: 129-134.
- DE VIS, C. W. 1883. Descriptions of new genera and species of Australian fishes. *Proc. Linn. Soc. N. S. W.* 8: 283-289.
- DE VIS, C. W. 1884. On new fish from Moreton bay. *Proc. R. Soc. Queensland* (1884)1: 144-147.
- DE VIS, C. W. 1885. New Australian fishes in the Queensland Museum. *Proc. Linn. Soc. N. S. W.* 9: 869-887.
- DeKAY, J.E. 1842. Zoology of New-York; or the New-York fauna; comprising detailed descriptions of all the animals hitherto observed within the state of New-York, with brief notices of those occasionally found near its borders. In: *Natural History of New York. Part IV. Fishes*; 415 pp, 79 pls.
- DIEUZEIDE, R. & M. NOVELLA, 1955. Catalogue des Poissons des Côtes algériennes. *Bull. Stn Aquic. Pêch. Castiglione*, III, (6), 1955 [1954]: 1-384.
- DOR, M. 1984. Checklist of the fishes of the Red Sea. The Israel Academy of Sciences and Humanities, Jerusalem; 437 pp.
- EDWARDS, A. J. 1990. Fish and fisheries of Saint Helena Id. Centre for Tropical Coastal Management Studies, University of Newcastle upon Tyne, England.
- EDWARDS, A. J. and C. W. GLASS. 1987. The fishes of Saint Helena Id, South Atlantic Ocean. I. The shore fishes. *J. Nat. Hist.* 21: 617-686.
- EDWARDS, A. & R. LUBBOCK. 1981. A new wrasse (Teleostei: Labridae) of the genus *Xyrichtys* from the Fernando de Noronha Archipelago. *Rev. Suisse Zool.* 88(1): 233-237.
- EIGENMANN, C. H. 1894. Notes on some South American fishes. *Ann. N. Y. Acad. Sci.* 7: 625-637.
- ESCHMEYER W. N. 1990. Catalog of the genera of recent fishes. Calif. Acad. Sci., San Francisco; 697 pp.
- ESCHMEYER W. N., C. J. FERRARIS Jr., M. D. HOANG & D. J. LONG. 1997. Catalog of the fishes of the world, 3 vols. California Academy of Sciences, San Francisco.
- ESCHMEYER W. N. & R. PETHIYAGODA. 1996. A further note on the fish names of J.W. Bennett. *J. South Asian nat. Hist.* 2(1): 143-144.
- EVERMANN, B. W. & M. C. MARSH. 1899. Descriptions of new genera and species from Puerto Rico. *Rep. U. S. Fish Commun.* 24: 351-362.
- EVERMANN, B.W. & L. RADCLIFFE. 1917. The fishes of the west coast of Peru and Titicaca Basin. *Bull. U. S. Natl. Mus.* 95: xi + 166 pp.
- FACCIOLÀ, L. 1885. Indice Ittiologico del Mar di Messina del Prof. Anastasio Cocco per cura del dottor Luigi Facciola. *Famiglia 36^a. Labridi. Natur. Sicil.*, 4: 192-194; 228-232; 238.
- FACCIOLÀ, L. 1888. Su di un nuovo crenilabro del mar di Messina. *Natur. Sicil.* 8: 22-24
- FACCIOLÀ, L. 1916. Labroidi del mar di Messina. *Monit. Zool. It.* 27(7): 140-152.
- FISCHER, J. G. 1885. Über Fische von Süd-Georgien (pp. 49-65) Inn: Ichthyologische und herpetologische Bemerkungen. *Jahrb. Wiss. Anst. Hamburg* 2: 49-121.
- FLEMING, J. 1828. A history of British animals exhibiting the descriptive characters and systematical arrangements of the genera and species of quadrupeds, birds, reptiles, fishes, mollusca and radiata of the United Kingdom; including the indigeneous, extirpated and extinct kinds, together with periodical and occasional visitants. London; 565 pp.
- FORSSKÅL, P. 1775. *Descriptions Animalium avium, amphibiorum, piscium, insectorum, vermium; quae in itinere orientali observavit. Post mortem auctoris edidit Carsten Niebuhr.* Mölleri Hauniae; 20 + xxxiv + 164 pp., 43 pls.
- FORSTER, J. R. 1771. A catalogue of the animals of Nord America to which are added short directions for collecting, preserving, and trasporting all kinds of natural history curiosity..., London; 43 pp.
- FORSTER, J. R. 1795. Indische Zoologie...Nebst einer kurzen vorlauefingen Abhandlung ueber den Umfang von Indien und... Halle, 2nd edition; 42 pp., 15 pls..
- FORSTER, J. R. 1844. *Descriptiones Animalium quae in itinere ad maris Australis terras per annos 1772, 1773 et 1774 suscepto collegit observavit et delineavit...nunc demum editae...Henrico Lichenstein.* Berlin; xiii + 424 pp.
- FOURMANOIR, P. 1955. Ichthyologie et pêche aux Comores. *Mem. Inst. Sci. Madagascar*, Sér A, 9: 187-239.
- FOURMANOIR, P. 1967. Sur cinq nouvelles espèces de poissons du Vietnam. *Bull. Mus. natn. Hist. nat. Paris* (2^e Sér.) 39(2): 267-274.
- FOURMANOIR, P. 1971. Description de quatre poissons trouvés pour la première fois dans les Tuamotus et en Nouvelle-Caledonie. *Cah. Pac.* 15: 127-135.
- FOURMANOIR, P. & P. GUÉZÉ. 1961. Poissons de la Réunion. II. Familles des Labridae, Callyodontidae, Malacanthidae. *Publ. Inst. Rech. Sci. Madagascar*: 5-21.
- FOWLER, H. W. 1900. Observations of fishes from the Caroline Islands. *Proc. Acad. Nat. Sci. Phila.* 51: 482-496.
- FOWLER, H.W. 1901. Contributions to the ichthyology of the tropical Pacific. *Proc. Acad. Nat. Sci. Phila.* 52: 493-528.
- FOWLER, H. W. 1904. A collection of fishes from Sumatra. *J.*

- Acad. Nat. Sci. Phila.* (Ser. 2) 12: 495-560.
- FOWLER, H. W. 1908. A collection of fishes from Victoria, Australia. *Proc. Acad. Nat. Sci. Phila.* 59: 433-444.
- FOWLER, H. W. 1915a. The genus *Cryptotomus* Cope. *Copeia* 1915 (14): 3.
- FOWLER, H. W. 1915b. Cold blooded vertebrates from Florida, the West Indies, Costa Rica and eastern Brazil. *Proc. Acad. Nat. Sci. Phila.* 67: 244-269.
- FOWLER, H.W. 1917. A second collection of fishes from the Panama Canal Zone. *Proc. Acad. Nat. Sci. Phila.* 69: 127-136.
- FOWLER, H. W. 1918. New or little known fishes from the Philippine Islands. *Proc. Acad. Nat. Sci. Phila.* 70: 2-71.
- FOWLER, H.W. 1919. The fishes of the United States "Eclipse" Expedition to West Africa. *Proc. U. S. Natl. Mus.* 56: 195-292.
- FOWLER, H. W. 1925. Fishes of Guam, Hawaii, Samoa, and Tahiti. *Bull. Bishop Mus.* 22: 1-38.
- FOWLER, H. W. 1928. The fishes of Oceania. *Mem. Bishop Mus. Honolulu* 10: i-iii + 1-540.
- FOWLER, H.W. 1934. Fishes obtained by Mr. H.W. Bell-Marley chiefly in Natal and Zululand in 1929 to 1932. *Proc. Acad. Nat. Sci. Phila.* 86: 405-514.
- FOWLER, H. W. 1935. Zoological results of the Third de-Schauensee Siamese Expedition, Part VI. Fishes obtained in 1934. *Proc. Acad. Nat. Sci. Phila.* 87: 89-163.
- FOWLER, H. W. 1941. The George Vanderbilt Oahu survey - the fishes. *Proc. Acad. Nat. Sci. Phila.* 93:247-279.
- FOWLER, H. W. 1944a. Results of the Fifth George Vanderbilt Expedition (1941) (Bahamas, Caribbean Sea, Panama, Galapagos Archipelago and Mexican Pacific Islands) The Fishes. *Monogr. Acad. Nat. Sci. Phila.*, 6: 57-529.
- FOWLER, H.W. 1944. Fishes obtained in the New Hebrides by Dr. Edward L. Jackson. *Proc. Acad. Nat. Sci. Phila.* 96: 155-199.
- FOWLER, H. W. 1945. Fishes from Saipan Id, Micronesia. *Proc. Nat. Acad. Sci. Phila.* 97: 59-74.
- FOWLER, H. W. 1946. A collection of fishes obtained in the Riu Kiu Islands by Captain Ernest R. Tinkham A.U.S. *Proc. Acad. Nat. Sci. Phila.* 98: 123-218.
- FOWLER, H. W. 1949. The fishes of Oceania. Supplement 3. *Mem. Bishop Mus. Honolulu Mem.* 12 (2): 37-186.
- FOWLER, H.W. 1956. A synopsis of the fishes of China. Part VII. The perch like fishes (completed) *Q. J. Taiwan Mus.* 9: 161-354.
- FOWLER, H. W. & B. A. BEAN. 1923. Descriptions of eighteen new species of fishes from the Wilkes exploring expedition, preserved in the United State National Museum. *Proc. U. S. Natl. Mus.* 63: 1-27.
- FOWLER, H. W. & B. A. BEAN. 1928. Contributions to the biology of Philippine Archipelago and adjacent regions. The fishes of the Families Pomacentridae, Labridae, and Callyodontidae, collected by the...streamer "Albatross", chiefly in Philippine seas and adjacent waters. *Bull. U. S. Natl. Mus.* 100: i-viii + 1-525.
- FOWLER, H. W. & H. Steinitz. 1956. Fishes from Cyprus, Iran, Iraq, Israel, and Oman. *Bull. Res. Council. Isr.* 5B (3-4): 260-292.
- FRANCIS, M. P. 1993. Checklist of the coastal fishes of Lord Howe, Norfolk, and Kermadec Islands, Southwest Pacific Ocean. *Pac. Sci.* 47 (2), 136-170.
- FRICKE, R. 1999. *Fishes of the Mascarene Islands (Réunion, Mauritius, Rodriguez). An annotated checklist, with descriptions of new species.* Koeltz Scientific Books, Koenigstein, Germany; 759 pp.
- GARNAUD, J. 1970. *Symphodus (Crenilabrus) ocellatus bertini*, le Crénilabre rouge, sous espèce nouvelle. *Bull. Inst. Océanogr. Monaco* 69(1411): 1-12.
- GARRETT, A. 1863. Descriptions of new species of fishes. *Proc. Calif. Acad. Sci.* 3: 63-66
- GARRETT, A. 1864. Descriptions of new species of fishes. *Proc. Calif. Acad. Sci.* 3: 103-107.
- GILBERT, C. H. 1890. A preliminary report on the fishes collected by the steamer "Albatross" on the Pacific coast of North America during the year 1889, with descriptions of twelve new genera and ninety-two new species. *Proc. U. S. Natl. Mus.* 13: 49-126.
- GILBERT, C. H. and E. C. STARKS. 1904. The fishes of Panama Bay. *Mem. Calif. Acad. Sci.* 4: 1-304.
- GILCHRIST, J. D. F. & W. W. THOMPSON. 1908. Descriptions of fishes from the coast of Natal. *Ann. S. Afr. Mus.* 6(2): 145-206.
- GILCHRIST, J. D. F. & W. W. THOMPSON. 1909. Descriptions of fishes from the coast of Natal (Part II) *A.m. S. Afr. Mus.* 6(3): 213-279.
- GILCHRIST, J. D. F. & W. W. THOMPSON. 1914. Descriptions of fishes from the coast of Natal (Part IV) *Ann. S. Afr. Mus.* 13: 65-95.
- GILL, A. C. & J. E. RANDALL. 1999. *Julis horsfieldii* Val., 1839, an unused senior synonym of *Cychlops cyclophthalmus* Miller & Troschel, 1849 (Teleostei: Pseudochromidae). *Rev. fr. Aquariol.* 25 (3-4) [1998]: 95-97.
- GILL, T. N. 1862. Catalogue of the fishes of the Lower California in the Smithsonian Institution, collected by Mr. J. Xantus. *Proc. Acad. Nat. Sci. Phila.* 14(5): 140-151.
- GILL, T. N. 1863. Notes on the labroIslands of the western coast of North America. *Proc. Acad. Nat. Sci. Phila.* 15(5): 221-224.
- GILL, T. N. 1864. Description of a new labroid genus allied to *Trachocopus* Gthr. *Proc. Acad. Nat. Sci. Phila.* 1864 (16): 57-59.
- GILL, T.N. 1891. On the genera *Labrichthys* and *Pseudolabrus*. *Proc. U. S. Natl. Mus.* 14: 395-404.
- GIRARD, C. F. 1854. Observations upon a collection of fishes made on the Pacific coast of the United States, by Lieut. W. P. Trowbridge, U. S. A., for the Museum of the Smithsonian Institution. *Proc. Acad. Nat. Sci. Phila.* 7(4): 142-156.
- GISTEL, J. 1848. *Naturgeschichte des Thierreichs, für höhere Schulen.* Stuttgart; xvi + 216 pp., 32 pls.
- GMELIN, J. F. 1789. *Pisces.* pp. 1126-1516. In *Caroli a Linné, Systema Naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis.* Ed. XIII, 1(3).
- GOLANI, D. & O. SONIN. 1992. New records of the Red Sea fishes *Pterois miles* (Scorpaenidae) and *Pteragogus pelycus* (Labridae) from the eastern Mediterranean Sea. *Jpn. J. Ichthyol.* 39(2): 167-169.
- GOMON, M. F. 1974a. A revision of the genus *Bodianus* (family Labridae), with a phylogenetic hypothesis of related genera in tribe Hypsigenyini. Dissertation, Univ. of Miami, Florida; 653 pp.
- GOMON, M. F. 1974b. A new eastern Pacific labrid (Pisces), *Decodon melasma*, a geminate species of the western Atlantic *D. puellaris*. *Proc. Biol. Soc. Wash.* 87(19): 205-216.
- GOMON, M. F. 1977. A new genus and eastern Pacific species of Bodianine labrid fish. *Proc. Biol. Soc. Wash.* 89: 621-629.
- GOMON, M. F. 1987. New Australian fishes. Part 6. New species of *Lepidotrigla* (Triglidae), *Choerodon* (Labridae) and *Zebrias* (Soleidae) *Mem. Mus. Vict.* 48(1): 17-23.
- GOMON, M. F. 1997. Relationships of fishes of the labrid tribe Hypsigenyini. *Bull. Mar. Sci.* 60(3): 789-871.
- GOMON, M. F. & G. R. ALLEN. 1987. New Australian fishes. Part 7. A new species of *Choerodon* (Labridae) *Mem. Mus. Vict.* 48(1): 25-26.
- GOMON, M. F. & P. FORSYTH. 1990. Labridae, pp. 868-882. In: J. C. Quéro, J. C. Hureau, C. Karrer, A. Post & L. Saldanha (eds), *Check-list of the fishes of the eastern tropical Atlantic.* Vol. 2, UNESCO, Paris.
- GOMON, M. F. & J. C. M. GLOVER & R. H. KUITER. 1994. The fishes of Australia's South coast. State Print, Adelaide;

- 992 pp.
- GOMON, M. F. & R. LUBBOCK. 1980. A new hogfish of the genus *Bodianus* (Teleostei: labridae) from Islands of the Mid-Atlantic Ridge. *Northeast Gulf Sci.* 3(2): 104-111.
- GOMON, M. F. & W. D. MADDEN. 1981. Comments on the labrid fish subgenus *Bodianus* (*Trochocopus*) with description of a new species from the Indian and Pacific Oceans. *Rev. fr. Aquariol.* 7: 121-124.
- GOMON, M. F. & J. R. PAXTON. 1986. A review of the Odacidae, a temperate Australian-New Zealand labroid fish family. *Indo-Pac. Fishes* 8: 1-57.
- GOMON, M.F. & J. E. RANDALL. 1975. A new deepwater fish of the labrid genus *Bodianus* from Hawaii and the Ryukyu Islands. *Bull. Mar. Sci.* 25: 443-444.
- GOMON, M. F. & J. E. RANDALL. 1978. Review of the Hawaiian fishes of the labrid tribe Bodianini. *Bull. Mar. Sci.* 28(1): 32-48.
- GOMON, M. F. & B.C. RUSSELL. 1981. [Oral presentation] International Conference on the Systematics and Evolution of Indo-Pacific Fishes, Sydney, September 1981.
- GOODE, G. B. 1877. A preliminary catalogue of the reptiles, fishes, and lepto-cardians of the Bermudas, with descriptions of four species of fishes believed to be new. *Am. J. Sci.* 14: 289-298.
- GOREN, M. & M. DOR. 1994. An updated checklist of the fishes of the Red Sea. CLOFRES II. The Israel Academy of Sciences and Humanities, Jerusalem, Israel; xii + 120 pp..
- GOURRET, P. 1893. Ichthyologie Marseillaise. Famille des Labroïdes. *Ann. Mus. Hist. Nat. Marseille* 4(3): 1-84.
- GRAY, J. E. 1830-35. Illustrations of Indian Zoology; chiefly selected from the collection of Major-General Hardwicke. XX parts in 2 vols, pls 1-202 [for date of parts see F. C. Sawyer 1953, *J. Soc. Bibliogr. Nat. Hist.* 3: 48-55. Fishes on pls. 84-99 in vol. 1 and 88-102 in vol. 2].
- GRAY, J. E. 1854. Catalogue of fish collected and described by Laurence Theodore Gronow, now in the British Museum, London. vii + 196.
- GRIFFITH, E. 1834. The class Pisces, arranged by the Baron Cuvier, with supplementary additions by Edward Griffith... and Lieut. Col. Charles Hamilton Smith (and P.B. Lord) London, 680 pp, 62 pls.
- GRONOW, L. T. 1763. *Zoophylacii Gronoviani fasciculus primus exhibens animalia quadrupeda, amphibia atque pisces, quae in museo suo adservat, rite examinavit, systematice disposuit, descripsit atque iconibus illustravit* Laur. Theod. Gronovius, J.U.D.... Lugduni Batavorum. Zoophyl. Gronov.: 1-136.
- GROVE, J. S. & R. J. LAVENBERG. 1997. The fishes of the Galápagos Islands. Stanford University Press, Stanford, California; xlv + 863 pp.
- GUDGER, E. W. 1929. Nicolas Pike and his unpublished paintings of the fishes of Mauritius, Western Indian Ocean, with an index to the fishes. *Bull. Am. Mus. Nat. Hist.* 58 (part. 9): 489-530.
- GUÉRIN-MÉNEVILLE, F. E. 1829-38. *Iconographie du Règne Animal de G. Cuvier...* Vol IV. Poissons: 1-44, Pls. 1-70
- GUICHENOT, A. 1847. Description de deux nouvelles espèces de *Cossyphus*. *Rev. Mag. Zool.* 11: 14-15.
- GUICHENOT, A. 1860. Notice sur un nouveau poisson du groupe des *Cténolabres*. *Rev. Mag. Zool.* (Ser. 2) 12(4): 152-154.
- GUICHENOT, A. 1863. Faune ichthyologique. Notes sur l'île de la Réunion. Paris, 32 p.
- GUICHENOT, A. 1865. Catalogue des Scaridés de la collection du Muséum de Paris. *Mem. Soc. Sci. Nat. Cherbourg* 11: 1-75.
- GUICHENOT, A. 1869. Notice sur quelques poissons inédits de Madagascar et de la Chine. *Nouv. Arch. Mus. Hist. Nat. Paris* 5: 193-206.
- GULIA, G. 1861. *Tentamen ichthyologie Melitensis sistens methodo naturali stirpium objectis nonnullis observationibus genera ac species, a recentioribus de re zoologica scriptoribus admissas piscium insularum Melitae quos *Gavinus Gulia Medicinae et Chirurgiae doctor...* discriminare potuit.* Melitae, Ex Typographia Anglica; 71 pp.
- GÜNTHER, A. 1861. A preliminary synopsis of the labroid genera. *Ann. Mag. Nat. Hist.* (Ser. 3) 8: 382-389.
- GÜNTHER, A. 1862. Catalogue of the fishes in the British Museum. Catalogue of the Acanthopterygii Pharyngognathi and Anacanthini in the collection of the British Museum. British Museum (Natural History), London. Vol. 4; xxi + 534 pp.
- GÜNTHER, A. 1864. On some new species of Central American fishes. *Proc. Zool. Soc. London* 1864: 23-27.
- GÜNTHER, A. 1867. Description of some new or little known species of fishes in the collection of the British Museum. *Proc. Zool. Soc. London* 1867: 99-104.
- GÜNTHER, A. 1868. Report on a collection of fishes made at St. Helena by J. C. Melliss, Esq. *Proc. Zool. Soc. London* 1868: 225-228.
- GÜNTHER, A. 1872a. Report on several collections of fishes recently obtained for the British Museum. *Proc. Zool. Soc. London* 1871: 652-675.
- GÜNTHER, A. 1872b. On some new species of reptiles and fishes collected by J. Brenchley, Esq. *Ann. Mag. Nat. Hist.* (Ser. 4) 10: 418-426.
- GÜNTHER, A. 1876. Remarks on fishes, with descriptions of new species in the British Museum, chiefly from Southern Seas. *Ann. Mag. Nat. Hist.* (Ser. 4) 17: 389-402.
- GÜNTHER, A. 1880. Report on the shore fishes procured during the voyage of H.M.S. Challenger in the years 1873-1876. In: Report on the scientific results of the voyage of H.M.S. Challenger in the years 1873-1876. Zoology, vol. 1: 1-82.
- GÜNTHER, A. 1881. Andrew Garrett's Fische der Südsee beschreiben und redigirt von A. Günther. *J. Mus. Godeffroy* Fasc. XV (7): 217-256.
- GÜNTHER, A. 1909. Andrew Garrett's Fische der Südsee. *J. Mus. Godeffroy* Fasc. XVI (8): 261-388.
- HARDY G. S. 1990. Fish types in the national Museum of New Zealand. *Nat. Mus. N. Zeal.* Miscellaneous Series. 21, 17 pp.
- HARRY, R. R. 1950. A new parrot fish of the genus *Xenoscarus* from the Gulf of California. *Amer. Midl. Nat.* 43: 146-151.
- HASSELQUIST, F. 1762. D. F. Hasselquists ... Raiser nach Palästina. A German translation by T. H. Gadebusch of the *Iter Palestinum 1757*. [Rejected for nomenclatural purposes in Opinion 57 because the name therein were not reinforced by adoption or acceptance. Dir. 32.]
- HECTOR, J. 1884. Notes on New Zealand ichthyology. *Trans. Proc. N. Zeal. Inst.* 1883 16: 322-323.
- HEISER, J.B. 1981. Review of the labrid genus *Thalassoma* (Pisces: Teleostei) Dissertation, Cornell University; 252 pp.
- HELLER, E. & R. E. SNODGRASS. 1903. Papers from the Hopkins Stanford Galapagos expedition, 1898-1899. XV: New fishes. *Proc. Wash. Acad. Sci.* 5: 189-229.
- HEMPRICH, F. G. & C. G. EHRENBERG. 1899. *Symbolae physicae, seu icones adhuc ineditae ... ex itineribus per Libyam, Aegyptiam, Nubiam, Dongolam, Syriam, Arabiam et Habessiniam publico institutis sumptu ... studio annis MDCCCXXX - MDCCCXXV redierunt.* Zoologica. Berlin. Symbolae physicae: 1-17.
- HERRE, A. W. C. T. 1932. Five new philippine fishes. *Copeia* 1932(1): 139-142.
- HERRE, A. W. C. T. 1933. Twelve new philippine fishes. *Copeia* 1933(1): 17-25.
- HERRE, A. W. C. T. 1935. New fishes obtained by the Crane Pacific expedition. *Field Mus. Nat. Hist. Publ. Zool. Ser.* 18: 383-438.
- HERRE, A. W. C. T. 1950. A new labrid and other interesting Philippine fish records. *Philip. J. Sci.* 78(2): 149-153.

- HERRE, A. W. C. T. 1958. Check list of Philippine fishes. *U. S. Fish Wildl. Serv. Res.* 20: 1-977..
- HERZENSTEIN, S. 1896. Über einige neue und seltene Fische des Zoologischen Museums der Kaiserlichen Akademie der Wissenschaften. *Ann. Mus. Zool. Acad. Imp. Sci. St. Petersburg* 1-2: 1-14.
- HILDEBRAND, S. F. 1946. A descriptive catalog of the shore fishes of Peru. *Bull. U. S. Natl. Mus.* 189: i-xi + 1-530.
- HOUTTUYN, M. 1782. Beschrijving van eenige Japansche visschen, en andere zee-schepzelen. *Verh. Holl. Maatsch. Wet. Haarlem* 20: 311-350.
- HUBRECHT, A. A. W. 1876. On an new species of *Coris* from the Molucca Archipelago. *Ann. Mag. Nat. Hist.* 17: 214-215.
- HUTCHINS, J. B. & S. M. MORRISON. 1996. *Pictilabrus brauni*, a new species of labrid fish from South-western Australia. *Rev. fr. Aquariol.* 23 (1-2): 39-42.
- HUTTON, F. W. 1872. Catalogue with diagnoses of the species. In: F.W. Hutton & J. Hector, Fishes of New Zealand. Colonial Museum and Geological Survey Department, Wellington; xvi + 93 pp.
- HUTTON, F. W. 1873. Contributions to the ichthyology of New Zealand. *Trans. Proc. N. Zeal. Inst.* 1873(5): 259-272.
- HUTTON, F. W. 1877. Contributions to the ichthyology of New Zealand. *Trans. Proc. N. Zeal. Inst.* 9: 353-354.
- HUTTON, F. W. 1880. Description of a new fish. *Trans. Proc. N. Zeal. Inst.* 12: 455-456.
- HUTTON, F. W. 1890. List of New Zealand fishes. *Trans. Proc. N. Zeal. Inst.* 22: 275-285.
- International Commission of Zoological Nomenclature. 1995. Opinion 1799. *Naucrates Rafinesque*, 1810 and *Xyrichtys Cuvier*, 1814: conserved. *Bull. Zool. Nom.* 52(1): 109-110.
- ISHIKAWA, C. 1904. Notes on some new or little known fishes of Japan. *Proc. Nat. Hist. Tokyo Mus.* 1: 1-17.
- JATZOW, R. & H. LENZ. 1898. Fische von Oost-Africa, Madagaskar und Aldabra. *Abh. Senckenb. Naturforsch. Ges.* 21(3): 497-531.
- JENKINS, O. P. 1901. Descriptions of new species of fishes from the Hawaiian Islands belonging to the family of Labridae and Scaridae. *Bull. U. S. Fish. Comm.* 19: 45-65.
- JENKINS, O. P. 1903. Report on collections of fishes made in Hawaiian Islands, with descriptions of new species. *Bull. U.S. Fish. Comm.* 22: 415-511.
- JENKINS, O. P. & B. W. EVERMANN. 1889. Description of eighteen new species of fishes from the Gulf of California. *Proc. U. S. Natl. Mus.* 11: 137-158.
- JENYNS, L. J. 1842. Pisces. In: The zoology of the voyage of H.M. S. Beagle, under the command of the captain Fitzroy, during the years 1832-1836. London. Part 4: 97-172.
- JOHNSTON, R. M. 1884. Notice of recent additions to the list of Tasmanian fishes. *Pap. Proc. R. Soc. Tasmania* for 1883: 193-195.
- JOHNSTON, R. M. 1891. Further observations upon the fishes and fishing industries of Tasmania, together with a revised list of indigenous species. *Pap. Proc. R. Soc. Tasmania* for 1890: 22-46.
- JORDAN, D. S. 1885. Supplementary notes of North American Fishes. *Proc. U. S. Natl. Mus.* 7: 545-548.
- JORDAN, D. S. 1888. Description of a new species of *Xyrichtys* (*X. jessiae*) from the Gulf of Mexico. *Proc. U. S. Natl. Mus.* 10: 698.
- JORDAN, D.S. 1890. A review of the labroid fishes of America and Europe. *Rep. U. S. Fish. Commun.* 15 [1887]: 559-699.
- JORDAN, D. S. & C.H. BOLLMANN. 1889. List of fishes collected at Green Turtle Cay, in the Bahamas, by Charles L. Edwards, with descriptions of three new species. *Proc. U. S. Nat. Mus.* 11: 549-553.
- JORDAN, D. S. & B. W. EVERMANN. 1886. Description of six new species of fishes from the Gulf of Mexico, with notes on other species. *Proc. U. S. Nat. Mus.* 9: 466-476.
- JORDAN, D. S. & B. W. EVERMANN. 1896. A check-list of the fishes and fish-like vertebrates of North and Middle America. *Rep. U. S. Fish. Comm.* 21: 207-584.
- JORDAN, D. S. & B. W. EVERMANN. 1898. The fishes of North and Middle America: a descriptive catalog of the fish-like vertebrate found in water of North America, north of the isthmus of Panama. Part II. *Bull. U. S. Natl. Mus.* 47: i-xxx + 1241-2183.
- JORDAN, D.S. & B.W. EVERMANN. 1902. Notes on a collection of fishes from the Id of Formosa. *Proc. U. S. Natl. Mus.* 25: 315-368.
- JORDAN, D. S. & B. W. EVERMANN. 1903. Descriptions of new genera and species of fishes from the Hawaiian Islands. *Bull. U. S. Fish. Comm.* 22: 161-208.
- JORDAN, D. S., B. W. EVERMANN & H. W. CLARK. 1930. Check-list of the fishes and fishlike vertebrates of North and Middle America north of the northern boundary of Venezuela and Colombia. *Rep. U. S. Comm. Fish.* for 1928 (Pt. 2): 1-670.
- JORDAN, D. S., B. W. EVERMANN & S. TANAKA. 1927. Notes on new or rare fishes from Hawaii. *Proc. Calif. Acad. Sci.* (Ser. 4) 16: 649-680.
- JORDAN, D. S. & C. H. GILBERT. 1879. Notes on the fishes of Beaufort Harbor, North Carolina. *Proc. U. S. Natl. Mus.* 1(55): 365-388.
- JORDAN, D. S. & C. H. GILBERT. 1882a. Notes on a collection of fishes, made by Lieut. H.E. Nichols, U.S.N., on the west coast of Mexico, with descriptions of five new species. *Proc. U. S. Natl. Mus.* 4: 225-233.
- JORDAN, D. S. & C. H. GILBERT. 1882b. Descriptions of thirty-three new species of fishes from Mazatlan, Mexico. *Proc. U. S. Natl. Mus.* 4: 338-365.
- JORDAN, D. S. & C. H. GILBERT. 1882c. Notes on fishes observed about Pensacola, Florida and Galveston, Texas, with description of new species. *Proc. U. S. Natl. Mus.* 5: 241-307.
- JORDAN, D. S. & C. H. GILBERT. 1884. Description of ten new species of fishes from Key West, Florida. *Proc. U. S. Natl. Mus.* 7: 24-32.
- JORDAN, D. S. & E. K. JORDAN. 1922. A list of the fishes of Hawaii, with notes and descriptions of new species. *Mem. Carnegie Mus.* 10: 1-92.
- JORDAN, D. S. & R. E. RICHARDSON. 1909. A collection of the fishes of the Id of Formosa or Taiwan, based on the collection of Dr. Hans Sauter. *Mem. Carnegie Mus.* 4: 159-204.
- JORDAN, D. S. & C. M. RUTTER, 1897. A collection of fishes made by Joseph Seed Roberts in Kingston, Jamaica. *Proc. Acad. Nat. Sci. Phila.* 49: 91-133.
- JORDAN, D. S. & A. SEALE, 1905. List of the fishes collected by Dr. Bashford Dean on the Id of Negros, Philippines. *Proc. U. S. Natl. Mus.* 28: 769-803.
- JORDAN, D. S. & A. SEALE. 1906. The fishes of Samoa. Description of the species found in the archipelago, with a provisional check-list of the fishes of Oceania. *Bull. Bur. Fish.* 25: 173-465.
- JORDAN, D. S. & A. SEALE. 1907. Fishes of the Islands of Luzon and Panay. *Bull. Bur. Fish.* 26: 1-48.
- JORDAN, D. S. & J. O. SNYDER. 1901. List of fishes collected in 1883 and 1885 by Pierre Louis Jouy and preserved in the United States National Museum, with descriptions of six new species. *Proc. U. S. Nat. Mus.* 23: 740-769.
- JORDAN, D. S. & J. O. SNYDER. 1902. A review of the labroid fishes and related forms found in the waters of Japan. *Proc. U. S. Nat. Mus.* 24(1266): 595-662.
- JORDAN, D. S. & J. O. SNYDER. 1904. On a collection of fishes made by Mr. Alan Owston in the deep waters of Japan. *Smithson. Misc. Collect.* 45: 230-240.
- JORDAN, D.S. & J.O. SNYDER. 1907. Notes on fishes of Hawaii, with descriptions of new species. *Bull. Bur. Fish.* 26: 205-218.

- JORDAN, D.S. & J. SWAIN. 1884. Descriptions of scaroid fishes from Havana and Key West, including 5 new species. *Proc. U. S. Natl. Mus.* 7: 81-102.
- JORDAN, D. S. & W. F. THOMPSON. 1914. Record of the fishes obtained in Japan in 1911. *Mem. Carnegie Mus.* 6: 205-213.
- JORDAN, E. K. 1925. Notes on the fishes of Hawaii, with descriptions of six new species. *Proc. U. S. Natl. Mus.* 66: 1-43.
- KAMOHARA, T. 1952. Revised descriptions of the offshore bottom-fishes of Prov. Tosa, Shikoku, Japan. *Rep. Kochi Univ. Nat. Sci.* 3: 1-122.
- KAMOHARA, T. 1958. A review of the labrid fishes found in the waters of Kochi Prefecture, Japan. *Rep. Usa Mar. Biol. Stn.* 5: 1-20.
- KANAZAWA, R. H. 1952. A new name for the Peruvian parrotfish *Scarus dubius* Hildebrand preoccupied by *S. dubius* Bennett. *Copeia* 1952: 203.
- KAROLI, J. 1882. *Prodromus piscium Asiae orientalis a Domino Joanne Xantus annis 1868-79 collectorum.* *Természetr. Füz.* 5: 147-187.
- KAUFMAN, L. S. & K. F. LIEM. 1982. Fishes of the suborder Labroidei (Pisces: Perciformes): phylogeny, ecology, and evolutionary significance. *Breviora* 472: 1-19.
- KENDALL, W. C. & L. RADCLIFFE. 1912. Reports on the scientific results of the expedition to the tropical Pacific...XXV. The shores fishes. *Mem. Mus. Comp. Zool. Harvard Coll.* 35: 77-172.
- KITTLIZ, F. H. von. 1858. Denkwürdigkeiten einer Reise nach dem russischen Amerika, nach Mikronesien und durch Kamschatka. Gotha. 2 vols.
- KLAUSEWITZ, W. 1962. Taxonomische Untersuchungen an der Gattung *Gomphosus* (Pisces: percomorphi, Labridae) *Senckenb. Biol.* 43(6): 433-435.
- KLAUSEWITZ, W. 1967. Die physiographische Zonierung der Saumriffe von Sarso. *Meteor. Forsch.-Ergebn.* D(2): 44-68.
- KLAUSEWITZ, W. 1976. *Cirrhilabrichthys filamentosus*, n. gen., n. sp. aus der Javasee (Pisces: Labridae) *Senckenb. Biol.* 57(1/3): 11-14.
- KLEIN, J. T. 1776. Gesellschaft Schauplatz, 2: 1-842.
- KLUNZINGER, C. B. 1871. Synopsis der Fische des Rothen Meeres. II. Theil. *Verh. K.-K. Zool.-Bot. Ver. Ges. Wien* 21: 441-688.
- KLUNZINGER, C. B. 1872. Zur Fischfauna von Süd-Australien. *Arch. Naturgeschichte.* 38: 17-47.
- KLUNZINGER, C. B. 1880. Die von Müller'sche Sammlung australischer Fische in Stuttgart. *Sitzungsber. Akad. Wiss. Wien* 80(1): 325-430.
- KNER, R. 1860. Zur Charakteristik und Systematik der Labroiden. *Sitzungsber. Akad. Wiss. Wien* 40: 41-57.
- KNER, R. 1864. [Untitled, headed by "Als neue Gattungen werden vorgeführt: ..."] *Anz. Akad. Wiss. Wien* 1: 185-187.
- KNER, R. 1865a. Fische aus dem Naturhistorischen Museum dem Hrn J. C. Godeffroy & Sohn in Hamburg. *Denkschr. Akad. Wiss. Wien* 24: 1-12.
- KNER, R. 1865b. Reise der österreichischen Fregatte "Novara" um die Erde in den Jahren 1857-1859 unter den Befehlen des Commodore B. von Wüllerstorff-Urbain. Zoologischer Theil. Fische 1(2): 111-272.
- KNER, R. 1867. Neue Fische aus dem Museum der Herren J. Cäs. Godeffroy & Sohn in Hamburg. *Sitzungsber. Akad. Wiss. Wien* 56: 709-728.
- KNER, R. 1868. IV. Folge neuer Fische aus dem Museum der Herren Joh. Cäs. Godeffroy & Sohn in Hamburg. *Sitzungsber. Akad. Wiss. Wien* 58: 293-356.
- KNER, R. & F. STEINDACHNER. 1867. Neue Fische aus dem Museum der Herren J. Cäs. Godeffroy & Sohn in Hamburg. *Sitzungsber. Akad. Wiss. Wien* 54: 356-395.
- KOSSMANN, R. & H. RAUBER. 1877. Wissenschaftliche Reise in die Küstengebiete des Rothen Meeres, Fische. *Verh. natur.-med. Ver. Heidelb.* 1: 378-420.
- KOTTELAT, M. & A. WHEELER. 1997. Comments on the proposed conservation of the names *Labrus* Linnaeus, 1758, *Cichlasoma* Swainson, 1839 and *Polycentrus* Müller & Troschel, 1848 by the designation of neotypes for *Labrus bimaculatus* Linnaeus, 1758 and *L. punctatus* Linnaeus, 1758 (Osteichthyes, Perciformes). *Bull. Zool. Nom.* 55(4): 237-239.
- KUITER, R. H. 1992. Tropical reef-fishes of the western Pacific Indonesia and adjacent waters. Panerbit, Jakarta; 314 pp.
- KUITER, R. H. 1993. Coastal fishes of south-eastern Australia. Crawford House Press, Bathurst, New South Wales; 437 pp.
- KUITER, R.H. & G.R. ALLEN. 1999. Descriptions of three new wrasses (Teleostei: Perciformes: Labridae: *Paracheilinus*) from Indonesia and north-western Australia with evidence of possible hybridisation. *Aqua, J. Ichthyol. Aq. Biol.* 3(3): 119-132.
- KUITER, R. H. & J. E. RANDALL. 1981. Three look-alike Indo-Pacific labrid fishes, *Halichoeres margaritaceus*, *H. nebulosus* and *H. miniatus*. *Rev. fr. Aquariol.* 8(1): 13-18.
- KUITER, R.H. & J.E. RANDALL. 1995. Four new Indo-Pacific wrasses (Perciformes: Labridae) *Rev. fr. Aquariol.* 21 [1994] (3-4): 107-118.
- KULLANDER, S.O. 1997. Comments on the proposed conservation of the names *Labrus* Linnaeus, 1758, *Cichlasoma* Swainson, 1839 and *Polycentrus* Müller & Troschel, 1848 by the designation of neotypes for *Labrus bimaculatus* Linnaeus, 1758 and *L. punctatus* Linnaeus, 1758 (Osteichthyes, Perciformes). *Bull. Zool. Nom.* 54(2): 109-115.
- KYUSHIN, K., K. AMAOKA K. NAKAYA & H. IDA. 1977. Fishes of Indian Ocean. Japan Marine Fishery Resource Research Center. Fishes Indian Ocean: 1-392.
- LABILLARDIERE, J.J. 1800. Relation du voyage à la recherche de la Perouse fait...1791. Vol. 1. Jansen, Paris; xvi + 422 pp.
- LACEPÈDE, B. G. E. 1800. Histoire Naturelle des Poissons. Paris, Plassan. Vol. 2; lxxiv + 632 pp., 20 pls.
- LACEPÈDE, B. G. E. 1801. Histoire Naturelle des Poissons. Paris, Plassan. Vol. 3; lxxvi + 558 pp., 34 pls.
- LACEPÈDE, B. G. E. 1802. Histoire Naturelle des Poissons. Paris, Plassan. Vol. 4; lxxiv + 728 pp., 16 pls.
- LACEPÈDE, B. G. E. 1803. Histoire Naturelle des Poissons. Paris, Plassan. Vol. 5; xlvi + 803 pp., 21 pls.
- LACEPÈDE, B. G. E. 1804. Sur plusieurs animaux de la Nouvelle-Hollande dont la description n'a pas encore été publié. *Ann. Mus. Hist. Nat. Paris* 4: 184-211.
- LAY, G. T. & E. T. BENNETT. 1839. Fishes, pp. 41-75. In: Zoology of Captain Beechey's Voyage; compiled from the collections and notes made by Captain Beechey, the officers and naturalist of the expedition during a voyage to the Pacific and Behring's Straits performed in His Majesty's ship "Blossom" in 1825-1828. Henry G. Bohn, London.
- LESSON, R.P. 1828. Description du nouveau genre *Ichthyophis* et des plusieurs espèces inédites ou peu connues des poissons, recueillis dans le voyage autour du monde de la Corvette "La Coquille". *Mem. Soc. Hist. Nat. Paris* 4: 397-412.
- LESSON, R. P. 1830-31. Poissons. In: L. I. Duperrey, Voyage autour du monde... sur la corvette de La Majesté La Coquille, pendant les années 1822, 1823, 1824 et 1825...Zoologie. *Zool.* 2(pt 1): 66-238.
- LIÉNARD, E. 1845. Description d'une nouvelle espèce de girelle, dite *Julis laportei*. *Act. Soc. Linn. Bordeaux* 14: 112-114.
- LINNAEUS, C. 1758. *Systema Naturae*, Ed. X. (*Sistema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Tomus I. Editio decima, reformata*) Holmiae 1; 824 pp.
- LINNAEUS, C. 1766. *Sistema Naturae sive regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis.* Laurentii Salvii,

- Holmiae, 12th Ed. Vol. 1: 1-532.
- LOBEL, P.S. 1981. *Bodianus prognathus* (Labridae, Pisces), a new longnose hogfish from the central Pacific. *Pac. Sci.* 35 (1): 45-50.
- LONGLEY, W. H. & S. F. HILDEBRAND. 1941. Systematic catalogue of the fishes of Tortugas, Florida, with observations on color, habits, and local distribution. *Pap. Tortugas Lab. Carnegie Inst.* 34: i-xiii + 1-331, 34 pls.
- LÖNNBERG, E. 1896. Linnean type-specimens of birds, reptiles, batrachians and fishes in the Zoological Museum of the R. University in Uppsala. *Bihang Kongliga Svenska Vetensk-Akad. Handlingar, Stockholm* 22: 3-45
- LOWE, R. T. 1834. Characters of a new genus *Leirus* and of several new species of fishes from Madeira. *Proc. Zool. Soc. London* 1: 142-144.
- LOWE, R.T. 1838. A synopsis of the fishes of Madeira; with the principal synonyms, Portuguese names, and characters of new genera and species. *Trans. Zool. Soc. London* 2(3): 173-200.
- LOWE, R. T. 1839. A supplement to a synopsis of the fishes of Madeira. *Proc. Zool. Soc. London* 7: 76-92.
- LOWE, R.T. 1840. Description of certain new species of Madeiran fishes, with additional information to those relating already described. *Proc. Zool. Soc. London* 8: 36-39.
- LOWE, R. T. 1849. A supplement to a synopsis of fishes of Madeira. *Trans. Zool. Soc. London* 13: 361.
- LOWE, R. T. 1850. An account of fishes discovered or observed in Madeira since the year 1842. *Proc. Zool. Soc. London* 18: 247-253.
- LOZANO REY, L. 1952. Peces fisoclistos, Subserie Toracicos. *Mems R. Acad. Cienc. exact. fis. nat. Madr., ser.: Cien. nat., Primate parte*, 14: pp. xv+1-378, fig. 1-20, pl. I-XXX; Segunda parte, 14: pp. 379-705, fig. 21-31, pl. XXI-LI.
- MABUCHI, K. & T. NAKABO. 1997. Revision of the genus *Pseudolabrus* (Labridae) from the East Asian waters. *Ichthyol. Res.* 44(4): 321-334.
- MACLEAY, W. 1878a. The fishes of Port Darwin. *Proc. Linn. Soc. N. S. W.* 2: 344-367.
- MACLEAY, W. 1878b. Descriptions of some new fishes from Port Jackson and King George's Sound. *Proc. Linn. Soc. N. S. W.* 3: 33-37.
- MACLEAY, W. 1881. Descriptive catalogue of the fishes of Australia. Part III. *Proc. Linn. Soc. N. S. W.* 6: 1-138.
- MACLEAY, W. 1883a. Contribution to a knowledge of the fishes of New Guinea, No. 3. *Proc. Linn. Soc. N. S. W.* 7: 585-598.
- MACLEAY, W. 1883b. Contribution to a knowledge of the fishes of New Guinea, No. 4. *Proc. Linn. Soc. N. S. W.* 8: 252-280.
- MARTENS, E. von. 1876. Die Preussische Expedition nach Ost-Asien: nach amtlichen Quellen, Zoologische Theil, Berlin 1867-76, v. 2, p. 397.
- MASUDA, H., C. ARAGA & T. YOSHINO. 1975. Coastal fishes of southern Japan. Tokai University Press, Tokyo; 379 pp., 142 pls.
- MASUDA, H. & Y. KOBAYASHI. 1994. Grand Atlas of Fish Life Modes. Tokai University Press, Tokyo; 465 pp (in Japanese).
- McCULLOCH, A. R. 1912. Notes on some Western Australian fishes. *Rec. West. Aust. Mus.* 1: 1-20.
- McCULLOCH, A. R. 1913. Studies in Australian fishes, No. 3. *Rec. West. Aust. Mus.* 9: 355-389.
- McCULLOCH, A. R. 1929. A check-list of the fishes recorded from Australia. *Mem. Aust. Mus. Memoir* 5 (pt 2): 145-329.
- MEE, J. K. L. & S. R. HARE. 1995. *Coris nigrotaenia*, a new wrasse (Perciformes: Labridae) from the northwestern Indian Ocean. *J. South Asian nat. Hist.* 1(2): 247-254.
- MEEK, S. E. & S. F. HILDEBRAND. 1928. Marine fishes of Panama. Part III. *Field Mus. Nat. Hist. Publ. Zool. Ser.* 15: 709-1045.
- METZELAAR, J. 1919. Report on the fishes, collected by Dr. J. Boeke in the Dutch West Indies 1904-1905, with comparative notes on marine fishes of tropical West Africa. F. J. Belanfante's- Gravenhage; 314 pp.
- MIRANDA-RIBEIRO, A. de. 1918. Dous generos e tres especies novas de peixes Brasileiros determinados nas collecções do Museu Paulista. *Rev. Mus. Paulista* 10: 787-791.
- MITCHILL, S. L. 1814. Report in part of Samuel L. Mitchill, M.D., on the fishes of New York. New York: 1-28.
- MITCHILL, S. L. 1815. The fishes of new York, described and arranged. *Trans. Lit. Phil. Soc. N. Y.* 1: 355-492.
- MONOD, T. 1973. Scaridae, pp. 444-445. In: J.C. Hureau & T. Monod (eds.) Check-list of the fishes of the north-eastern Atlantic and of the Mediterranean. Unesco, Paris. Vol. 1.
- MONTROUZIER, X. 1857. Essai sur la faune de l'île de Woodlark ou Moïou. *Ann. Soc. Imp. Agric. Hist. Nat. Lyon* 8 [1856]: 417-504 (Reprinted, de Barret, Lyon, pp. 139-222).
- MORRIS, S. L. 1974. A new labrid fish from the North Kenya banks. *Copeia* 1974(3): 632-634.
- MOWBRAY, L. L. 1925. A new Bahaman razor fish. *Mar. Life* 1(1): 1-2.
- MÜLLER, J. & F. H. TROSCHEL. 1848. Fische. pp. 618-644. In: *Reisen in British-Guiana in den Jahren 1840-44. Im Auftrag Sr Majestat des Königs von Preussen ausgeführt von Richard Schomburgk.* Vol. 3, Berlin.
- MYERS, R. F. 1989. Micronesian Reef Fishes. Coral Graphics; iv + 298 pp.
- NARDO, G. D. 1824a. Risposta alla lettera del Sig. Naccari contenente la descrizione di alcune species di Pesci. *Giorn. Sci. Lett. Prov. Venete* 6: 253-256.
- NARDO, G. D. 1824b. Fine delle osservazioni ed aggiunte all'Adriatica Ittiologia pubblicata dal sig. Cav. Fortunato Luigi Naccari presentate dal sig. Domenico Nardo al sig. Giuseppe Carnevali di Udine. *Giorn. Fis. Chim. Storia Nat. Med. Arti Pavia* 7: 249-263.
- NARDO, G. D. 1827. *Prodromus observationum et disquisitionum ichthyologiae Adriaticae.* *Giorn. Fis. Chim. Storia Nat. Med. Arti Pavia* 10: 22-40.
- NARDO, G. D. 1847. Sinonimia moderna delle specie registrate nell'opera intitolata: descrizione de' crostacei, de' testacei e de' pesci che abitano le lagune e golfo veneto rappresentati in figure, a chiaro scuro ed a colori, dall'Abate Stefano Chierighini Ven. Clodiense, applicata per commissione governativa dal Dr. Gio. Domenico Nardo. Parte terza. Indice dei pesci della laguna e golfo veneto, col. 109-128. I.R. Priv. Stabilimento Antonelli, Venezia.
- NARDO, G. D. 1860. Prospetti sistematici degli animali delle provincie venete e del mare Adriatico e distinzione delle specie in gruppi relativi alla loro geografia fisica ed all'interesse economico statico che presentano. *Classes V. Pisces.* Estratto dal Vol. IV Serie III, Atti R. Istituto veneto di Scienze. pp. 785-910.
- NELSON, J. S. 1994. *Fishes of the world.* 3rd edition. John Wiley & Sons, New York; 600 pp.
- NGUYEN, T. T. 1974. Osteological studies on the labrid fishes (family Labridae) of Japan. Morphology, taxonomy and phylogeny. Ocean Research Institute, University of Tokio, Doctoral Dissertation.
- NICHOLS, J. T. 1920. A contribution to the ichthyology of Bermuda. *Proc. Soc. Biol. Wash.* 33: 59-64.
- NICHOLS, J. T. 1923. A new wrasse and two new cichlid from Northeast Africa. *Am. Mus. Novit.* No. 65: 1-4.
- NICHOLS, J. T. 1941. On new and other Labroid fishes from Bali. *Am. Mus. Novit.* No. 1154: 1-8.
- NILSSON, S. 1832. *Prodromus Ichthyologiae Scandinavicae.* Lundae; iv + 124 pp.
- NINNI, E. 1912. Catalogo dei Pesci del Mare Adriatico. Carlo Bertotti, Venezia; 271 pp.

- NORDMANN, A. von. 1840. Observations sur la faune pontique. In: A. de Demidoff, Voyage dans la Russie méridionale et la Crimée par la Hongrie, la Valachie et la Moldavie, exécuté en 1837 sous la direction de M. Anatole de Demidoff. Paris, Vol. 3: 355-635, 32 pls.
- Ogilby, J. D. 1888. On a small zoological collection from Norfolk Id. Fishes. *Proc. Linn. Soc. N. S. W.* 2: 990-993.
- Ogilby, J. D. 1889. The reptiles and fishes of Lord Howe Id. *Austr. Mem. Mus.* 2: 51-74.
- Ogilby, J. D. 1893. Edible fishes and crustaceans of New South Wales. Charles Potter, Sydney ii + 212 pp, 51 pls.
- Ogilby, J. D. 1910a. On new or insufficiently described fishes. *Proc. R. Soc. Queensl.* 23: 1-55.
- Ogilby, J. D. 1910b. On some new fishes from the Queensland coast. Endeavour Series, I. Was to have appeared as *Proc. R. Soc. Queensl.* 23: 85-139. (Withdrawn and privately published).
- Ogilby, J. D. 1911. Descriptions of new or insufficiently described fishes from Queensland waters. *Ann. Queensl. Mus.* 10: 36-58.
- OKEN, L. 1817. V. Kl. Fische. In: Isis oder Encyclopädische Zeitung. Vol. 8 (148): 1779-1782.
- OSBURN, R. C. AND J. T. NICHOLS. 1916. Shore fishes collected by the "Albatross" expedition in Lower California, with descriptions of new species. *N. Y. Bull. Am. Mus. Nat. Hist.* 35: 139-181.
- OSORIO, B. 1891. Estudos ichthyologicos ácerca de fauna dos dominios portugueses ne Africa. 3a nota. Peixes maritimos das ilhas de S. Thomé do Principe e ilheo de Rolas. *Jorn. Sci. Math. Phys. Nat. Lisboa* (Ser. 2) 2(6): 97-139.
- PALLAS, P. S. 1770. *Spicilegia zoologicae, quibus novae imprimis et obscurae animalium species iconibus, descriptionibus atque commentariis illustrantur.* Berolini, Gottl. August. Lange. Spicilegia Zool. 1 (fasc. 8): 1-56.
- PALLAS, P. S. 1814. *Zoographia rosso-asiatica, sistens omnium animalium in extenso Imperio Rossico et adjacentibus maribus observatorum recensionem, domicilia, mores et descriptiones anatomen atque icones plurimorum.* 3 vols [1811-1814]. Petropoli. Zool. Rosso-Asiatica v. 3; 428 pp.
- PARADICE, W. E. J. & G. P. WHITLEY. 1927. Northern territory fishes. *Mem. Queensl. Mus.* 9(1): 76-106.
- PARENTI, P. & J. E. RANDALL. 1998. First record of the labrid fish *Pteragogus flagellifer* (Valenciennes, 1839) from the Red Sea. *Fauna Arabia*, 17: 473-475.
- PARR, A. E. 1930. Scientific results of the third oceanographic expedition of the "Pawnee", 1927. Telesoteans shore and shallow water fishes from the Bahamas and Turk Id. *Bull. Bingham Oceanogr. Coll. Yale Univ.* 3 (4): 1-148.
- PAULIN, C., A. STEWART, C. ROBERTS & P. McMILLAN. 1989. New Zealand fish. A complete guide. *Nat. Mus. N. Zeal. Misc.* n. 19; xiv + 279 pp.
- PELLEGRIN, J. 1901. Poissons recueillis par M. Lion Diquet dans le golfe de Californie. *Bull. Mus. Hist. Nat., Paris* 7: 160-167.
- PEQUEÑO, G. 1989. Peces de Chile. Lista sistemática revisada y comentada. *Rev. Biol. Mar. Valparaiso* 24(2): 1-132.
- PEREZ CANTO, C. 1886. Estudio sobre algunos asculos de la costa de Chile. Imprenta y Librería El Pequeño Mercurio. Valparaiso, Chile: 1-12.
- PERRY, G. 1811. Ichthyology. In: Arcana or The Museum of Natural History: containing the most recent discovered objects... London. 2 unnum. pp., 1 unnum. pl.
- PERUGIA, A. 1866. Catalogo dei pesci dell'Adriatico. Trieste, Italy; 56 pp.
- PERUGIA, A. 1881. Elenco dei pesci dell'Adriatico. Milano, Hoepli; 66 pp, 7 pls.
- PETERS, W. C. H. 1855. Uebersicht der in Mossambique beobachteten Fische. *Arch. Naturgesch.* 21: 234-282.
- PETERS, W. C. H. 1876. Übersicht der von Hrn. Prof. Dr. K. Möbius in Mauritius und bei den Seychellen gesammelten Fische. *Monatsb. Akad. Wiss. Berlin*, 1875: 435-447.
- PETERS, W. C. H. 1877. Übersicht der während der von 1874 bis 1876 unter dem Commando der Hrn. Capitän z. S. Freiherrn von Schleinitz ausgeführten Reise S. M. S. "Gazelle" gesammelten und von der Kaiserlichen Admiralität der Königlichen Akademie der Wissenschaften übersandten Fische. *Montasber. Akad. Wiss. Berlin*, 1876: 831-854.
- PHILIPPI, R. A. 1887. Sobre los tiburones y algunos otros peces de Chile. *An. Univ. Santiago Chile* Sec. 1, 71: 1-42.
- PIETSCH, T. W. 1995. Fishes, Crayfishes, and Crabs. Louis Renard's Natural History of the Rarest Curiosities of the Seas of the Indies. John Hopkins Univ. Press, Baltimore 2 Vols..
- PHILLIPS, W. J. 1927. Bibliography of New Zealand fishes. *N. Zeal. Marine Dept. Fish. Bull.* 1: 1-68.
- PLAYFAIR, R. L. & A. GÜNTHER. 1867. The fishes of Zanzibar, with a list of the fishes of the whole east coast of Africa. London, John van Voorts; xix + 153 pp., 21 pls.
- PLAYFAIR, R. L. 1868. The fishes of Seychelles. Proceedings of the Scientific Meetings of the Zoological Society of London, pp. 846-872.
- POEY, F. 1860. Poissons de Cuba, espèces nouvelle. In: Memorias sobre la historia natural de la Isla de Cuba, acompañadas de sumarios Latinos y extractos en Francés, (1858-61) La Habana. 2(2) : 97-336.
- POEY, F. 1861. Conspectus piscium cubensium. In: Memorias sobre la historia natural de la Isla de Cuba, acompañadas de sumarios Latinos y extractos en Francés. La Habana. 2(3): 337-442.
- POEY, F. 1865. Peces nuevos de la Isla de Cuba. *Repertorio Fisico-Natural de la Isla de Cuba* 1: 181-192.
- POEY, F. 1867. Peces Cubanos especies nuevas. *Repertorio Fisico-Natural de la Isla de Cuba* 2: 229-245.
- POEY, F. 1868. Synopsis piscium Cubensium. Catalogo Razonado de los peces de la isla de Cuba. *Repertorio Fisico-Natural de la Isla de Cuba* 2: 279-484.
- POEY, F. 1875. *Enumeratio piscium Cubensium.* *An. Soc. Esp. Hist. Nat. Madrid* 4: 75-161.
- POEY, F. 1876. *Enumeratio piscium Cubensium.* (Parts 2 and 3) *An. Soc. Esp. Hist. Nat. Madrid* 5: 131-216.
- POLLEN, F. P. L. & D. C. VAN DAM. 1874. Recherche sur la faune de Madagascar, d'après les decouvertes del F. P. L. Pollen et D. C. Van Dam. 4: 1-79.
- PRAS, A. 1961. Un crénilabre de nos côtes, peu commun. *Bull. Soc. Sc. Nat. Archéol. Toulon* Var 137: 9-10.
- QUIGNARD, J. P. 1965. Redescription de *Lappanella fasciata* (Cocco, 1833) = *Ctenolabrus iris* Valenciennes, 1839 et diagnose du genre *Lappanella* Jordan (Téléostéens, Perciformes, Labridae) *Bull. Mus. natn. Hist. nat. Paris* 36(5): 578-583.
- QUIGNARD, J. P. 1966. Recherches sur les Labridés (Poissons, Téléostéens, Perciformes) des côtes européennes. Systématique et biologie. *Naturalia Monspel.* (Ser. Zool.) 5: 7-248.
- QUOY, J. R. C. & J. P. GAIMARD. 1824. Description des Poissons. Chapter IX; pp. 1-328. In: L. de Freycinet (ed.) Voyage autour du Monde...exécuté sur les corvettes de L.M. "L'Uranie" et "La Physicienne", pendant les années 1817, 1818, 1819 et 1820. Paris.
- QUOY, J. R. C. & J. P. GAIMARD. 1834. Zoologie. Poissons. In: Voyage des découverte de "l'Astrolabe", exécuté par ordre du Roi, pendant les années 1826-29, sous le commandement de M. J. Dumont d'Urville. Paris. Vol. 3: 645-720.
- RAFINESQUE, C. S. 1810a. Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia, con varie osservazioni sopra i medesimi. Palermo; 105 pp., 20 pls.
- RAFINESQUE, C. S. 1810b. Indice d'ittologia siciliana ossia catalogo metodico dei nomi latini, italiani, e siciliani dei pesci che si rinvencono in Sicilia disposti secondo un metodo naturale e seguito da un'appendice che contiene la

- descrizione di alcuni nuovi pesci siciliani. Messina; 80 pp., 2 pls.
- RAFINESQUE, C. S. 1814. Précis de découvertes et travaux somiologiques de Mr. C. S. Rafinesque-Schmaltz entre 1800 et 1814; ou choix raisonné de ses principales découvertes en zoologie et en botanique, pour servir d'introduction à ses ouvrages futures. Palermo; 55 pp.
- RAFINESQUE, C. S. 1815 Analyse de la nature, ou tableau de l'univers et des corps organisés. Palermo; 224 pp.
- RAMSAY, E. P. 1881. Description of a new labroid fish of the genus *Novacula* from Port Jackson. *Proc. Linn. Soc. N. S. W.* (Ser.1) 6: 198-199.
- RAMSAY, E. P. 1883. Description of a new species of *Coris* from Lord Howe Id and New South Wales. *Proc. Linn. Soc. N. S. W.* (Ser.1) 7: 301-302.
- RAMSAY, E. P. & J. D. OGILBY. 1886. Description of a new *Coris*. *Proc. Linn. Soc. N. S. W.* (Ser. 2) 1: 851-852.
- RAMSAY, E. P. & J. D. OGILBY. 1887a. Description of a new *Coris* from New HebrIslands. *Proc. Linn. Soc. N. S. W.* (Ser. 2) 1: 131-132.
- RAMSAY, E. P. & J. D. OGILBY 1887b. Descriptions of new Australian fishes. *Proc. Linn. Soc. N. S. W.* (Ser. 2) 2: 241-243.
- RAMSAY, E. P. & J. D. OGILBY 1887c. Descriptions of new Australian fishes. *Proc. Linn. Soc. N. S. W.* (Ser. 2) 2: 561-564.
- RAMSAY, E. P. & J. D. OGILBY 1888. On a new genus and species of labroid fish from Port Jackson. *Proc. Linn. Soc. N. S. W.* (Ser. 2) 2 [1887]: 631-634.
- RANDALL, J.E. 1955. *Stethojulis renardi*, the adult male of the labrid fish *Stethojulis strigiventer*. *Copeia* 1955(3): 237.
- RANDALL, J.E. 1958a. Two new species of *Anampses* from the Hawaiian Islands, with notes on other labrid fishes of this genus. *J. Wash. Acad. Sci.* 48. labrid fish genus *Labroides*, with description of two new species and notes on ecology. *Pac. Sci.* 12(4): 327-347.
- RANDALL, J.E. 1965a. A review of the razorfish genus *Hemipteronotus* (Labridae) of the Atlantic Ocean. *Copeia* 1965(4): 487-501.
- RANDALL, J.E. 1965b. A redescription of *Sparisoma atomarium* (Poey), a valid West Indian parrotfish. *Notulae Nat.* no. 378: 1-9.
- RANDALL, J.E. 1972. A review of the labrid fish genus *Anampses*. *Micronesica* 8(1-2): 151-190.
- RANDALL, J.E. 1973. Tahitian fish names and a preliminary checklist of the fishes of the Society Islands. *Occas. Pap. Bernice P. Bishop Mus.* 24: 167-214.
- RANDALL, J.E. 1976. Ichthyological expedition to Easter Id. *Nat. Geogr. Soc. Res. Rep.* 1968: 333-347.
- RANDALL, J.E. 1978a. *Pseudojulis* Bleeker, a probable invalid genus of labrid fishes (Perciformes: Labridae) *Matsya* 4: 1-4.
- RANDALL, J.E. 1978b. A review of the labrid fish genus *Macropharyngodon*, with descriptions of five new species. *Bull. Mar. Sci.* 28(4): 742-770.
- RANDALL, J.E. 1981a. Revision of the labrid fish genus *Labropsis* with descriptions of five new species. *Micronesica* 17(1-2): 125-155.
- RANDALL, J.E. 1981b. Two new species and six new records of labrid fishes from the Red Sea. *Senckenb. Marit.* 13(1/3): 79-109.
- RANDALL, J.E. 1981c. Two new labrid fishes of the genus *Halichoeres*, with notes on the other species of the genus. *Pac. Sci.* 34(4)[1980]: 415-432.
- RANDALL, J.E. 1982. A review of the labrid fish genus *Hologymnosus*. *Rev. fr. Aquariol.* 9(1): 13-20.
- RANDALL, J.E. 1983a. Revision of the Indo-Pacific labrid fish genus *Wetmorella*. *Copeia* 1983(4): 875-883.
- RANDALL, J.E. 1983b. Red Sea Reef Fishes. Immel, Publishing, London; 192 pp.
- RANDALL, J.E. 1985. Guide to Hawaiian Reef Fishes. Harwood Books, Philadelphia; 79 pp.
- RANDALL, J.E. 1986a. Family No. 220: Labridae, pp. 683-706. In: M.M. Smith & P.C. Heemstra (eds), *Smiths' Sea Fishes*. Springer-Verlag, Berlin.
- RANDALL, J.E. 1986b. Family No. 221: Scaridae, pp. 706-714. In: M.M. Smith & P.C. Heemstra (eds), *Smiths' Sea Fishes*. Springer-Verlag, Berlin.
- RANDALL, J.E. 1988. Five new wrasses of the genera *Cirrhilabrus* and *Paracheilinus* (Perciformes: Labridae) from the Marshall Islands. *Micronesica* 21 (2): 199-226.
- RANDALL, J.E. 1990. Scaridae, pp. 883-887. In: J. C. Quero, J. C. Hureau, C. Karrer, A. Post & L. Saldanha (eds), *Checklist of the fishes of the eastern tropical Atlantic*. UNESCO, Paris, vol. 2.
- RANDALL, J.E. 1992a. A review of the labrid fishes of the genus *Cirrhilabrus* from Japan, Taiwan and the Mariana Islands, with descriptions of two new species. *Micronesica* 25 (1): 99-121.
- RANDALL, J.E. 1992b. Diver's Guide to Fishes of Maldives. IMMEL publishing; 103 pp.
- RANDALL, J.E. 1995a. A review of the wrasses of the genus *Cirrhilabrus* (Perciformes: Labridae) from the Western Indian Ocean. *Rev. fr. Aquariol.* 22(1-2): 19-25.
- RANDALL, J.E. 1995b. On the validity of the eastern Pacific labrid fish *Thalassoma grammaticum* Gilbert and *T. virens*. *Bull. Mar. Sci.* 56(2): 670-675.
- RANDALL, J.E. 1996. Second revision of the labrid fish genus *Leptojuilis*, with description of two new species. *Indo-Pac. Fishes* 24: 1-20.
- RANDALL, J.E. 1997. *Scarus atropectoralis* Schultz, a junior synonym of *S. xanthopleura* Bleeker. *Rev. fr. Aquariol.* 24(1-2): 49-52.
- RANDALL, J.E. 1999a. Revision of the Indo-Pacific labrid fishes of the genus *Pseudocheilinus*, with descriptions of three new species. *Indo-Pac. Fishes* 28: 1-34.
- RANDALL, J.E. 1999b. Revision of the Indo-Pacific labrid fishes of the genus *Coris*, with descriptions of five new species. *Indo-Pac. Fishes* 29: 1-74.
- RANDALL, J.E. 1999c. *Paracheilinus attenuatus* a new labrid fish from the western Indian Ocean, with a redescription of *P. piscilineatus*. *J. South Asian Nat. Hist.* 4(1): 29-38.
- RANDALL, J.E. 1999d. *Halichoeres bleekeri* (Steindachner & Döderlein, 1887), a valid Japanese species of labrid fish, distinct from *H. tenuispinis* (Günther) from China. *Ichthyol. Res.* 46(3): 225-231.
- RANDALL, J.E. 2000. Revision of the Indo-Pacific labrid fishes of the genus *Stethojulis*, with descriptions of two new species. *Indo-Pac. Fishes* 31: 1-42.
- RANDALL, J.E. & T. E. ADAMSON. 1982. A review of the monotypic Indo-Malayan labrid fish genus *Xenojulis*. *Pac. Sci.* 36(1): 119-126.
- RANDALL, J.E., G. R. ALLEN & R. C. STEENE. 1990. Fishes of the Great Barrier Reef and Coral Sea. Crawford House Press, Bathurst, Australia; 504 pp.
- RANDALL, J.E., G. R. ALLEN & R. C. STEENE. 1997. Fishes of the Great Barrier Reef and Coral Sea. Revised and expanded edition. Crawford House Press, Bathurst; 557 pp.
- RANDALL, J.E. & R. C. ANDERSON. 1993. Annotated checklist of the epipelagic and shore fishes of the Maldives Islands. *Ichthyol. Bull. J. L. B. Inst. Ichthyol.* 59: 1-47.
- RANDALL, J.E. & R.C. ANDERSON. 1997. *Chlorurus rhakoura*, a new species of parrotfish (Perciformes: Labroidae: Scaridae) from Sri Lanka. *J. South Asian nat. Hist.* 2(2): 155-164.
- RANDALL, J.E. & M. ARAGA. 1978. The Japanese labrid fish *Coris musume*, a junior synonym of the Australian *Coris picta*. *Publ. Seto Mar. Biol. Lab.* 24 (4/6): 427-431.
- RANDALL, J.E. & E. BÖHLKE. 1965. Review of the Atlantic labrid fishes of the genus *Halichoeres*. *Proc. Nat. Acad. Sci. Phila.* 117: 235-259.

- RANDALL, J.E. & R. W. BRUCE. 1983. The parrotfishes of the subfamily Scarinae of the western Indian Ocean with descriptions of three new species. *Ichthyol. Bull. J. L. B. Smith Inst. Ichthyol.* 47: 1-39.
- RANDALL, J.E. & B. A. CARLSON. 1997. *Ammolarus dicrus*, a new genus and species of labrid fish from the Hawaiian Islands. *Pac. Sci.* 51(1): 29-25.
- RANDALL, J.E. & K. E. CARPENTER. 1980. Three new labrid fishes of the genus *Cirrhilabrus* from the Philippines. *Rev. fr. Aquariol.* 7(1): 17-26.
- RANDALL, J.E. & J. H. CHOAT. 1980. Two new parrotfishes of the genus *Scarus* from the Central and South Pacific, with further examples of sexual dichromatism. *Zool. J. Linn. Soc.* 70: 383-419.
- RANDALL, J.E. & B. CONDÉ. 1989. *Frontilabrus caeruleus*, nouveaux genre and espèce de Labridé des Maldives. *Rev. fr. Aquariol.* 15(3): 89-92.
- RANDALL, J.E. & A.S. CORNISH. 2000. *Xyrichtys trivittatus*, a new species of razorfish (Perciformes: Labridae) from Hong Kong and Taiwan. *Zool. Stud.* 39(1): 118-22.
- RANDALL, J.E. & M. DOR. 1980. Description of a new genus and species of labrid fish from the Red Sea. *Isr. J. Zool.* 29(4): 153-162.
- RANDALL, J.E. & J. L. EARLE. 1993. *Scarus obishime*, a new parrotfish (Perciformes: Scaridae) from the Ogasawara Islands. *Jap. J. Ichthyol.* 39(4): 287-293.
- RANDALL, J.E. & J.L. EARLE. 1994. Three new wrasses of the genus *Halichoeres* (Perciformes: Labridae) from Oman. *Fauna Saudi Arabia* 14: 287-301.
- RANDALL, J.E. & A. EDWARDS. 1984. A new labrid fish of the genus *Thalassoma* from the Pitcairn Group, with a review of related Indo-Pacific species. *J. Aquar. Aquat. Sci.* 4(2): 13-32.
- RANDALL, J.E. & A. R. EMERY. 1983. A new labrid fish of the genus *Cirrhilabrus* from the Chagos Archipelago, Indian Ocean. *J. Aquar. Aquat. Sci.* 3(2): 21-24.
- RANDALL, J.E. & C. J. FERRARIS. 1981. A revision of the Indo-Pacific labrid fish genus *Leptojulius*, with descriptions of two new species. *Rev. fr. Aquariol.* 8(3): 89-96.
- RANDALL, J.E. & P. FOURMANOIR. 1998. *Terelabrus rubrovittatus*, a new genus and species of labrid fish from New Caledonia and New Guinea. *Bull. Mar. Sci.* 62(1): 247-252.
- RANDALL, J.E. & M. L. HARMELIN-VIVIEN. 1977. A review of the labrid fishes of the genus *Paracheilinus*, with descriptions of two new species from western Indian Ocean. *Bull. Mus. natn. His. nat. Paris*, Ser. 3^e, 436: 329-342.
- RANDALL, J.E. & J. P. HOOVER. 1995. *Scarus zufar*, a new species of parrotfish from Southern Oman, with comments on endemism of the area. *Copeia* 1995(3): 683-688.
- RANDALL, J.E., H. IDA, K. KATO, R. L. PYLE & J. L. EARLE. 1997. Annotated checklist of the inshore fishes of the Ogasawara Islands. *Nat. Sci. Mus. Monogr.* 11: 1-74.
- RANDALL, J.E. & J. C. KAY. 1974. *Stethojulis axillaris*, a junior synonym of the Hawaiian labrid fish *Stethojulis balteata*, with a key to the species of the genus. *Pac. Sci.* 28(2): 101-107.
- RANDALL, J.E. & A. KOTTHAUS. 1977. *Suezichthys tripunctatus*, a new deep-dwelling Indo-Pacific labrid fish. *Meteor. Forsch.-Ergebn.* D (24): 33-36.
- RANDALL, J.E. & R.H. KUITER. 1982. Three new species of the genus *Coris* from western Pacific. *Pac. Sci.* 36(2): 159-173.
- RANDALL, J.E. & R.H. KUITER. 1989. *Cirrhilabrus punctatus*, a new species of labrid fish from the southwestern Pacific. *Rev. fr. Aquariol.* 16(2): 43-50.
- RANDALL, J.E. & A. KUNZMANN. 1998. *Cirrhilabrus adornatus*, a new species of labrid fish from Sumatra. *Rev. fr. Aquariol.* 25(1-2): 41-44.
- RANDALL, J.E. & R. LUBBOCK. 1981. Labrid fishes of the genus *Paracheilinus*, with descriptions of three new species from the Philippines. *Jap. J. Ichthyol.* 28(1): 19-30.
- RANDALL, J.E. & R. LUBBOCK. 1982. Three new labrid fishes of the genus *Cirrhilabrus* from the southwestern Pacific. *Occas. Pap. Bernice P. Bishop Mus.* 25(2): 1-12.
- RANDALL, J.E. & H. MASUDA. 1991. Two new labrid fishes of the genus *Cirrhilabrus* from Japan. *Rev. fr. Aquariol.* 18(2): 53-60.
- RANDALL, J.E. & J.K.L. MEE. 1994. A new labrid fish of the genus *Thalassoma* from Oman. *Fauna Saudi Arabia* 14: 302-308.
- RANDALL, J.E. & R.F. MYERS. 2000. *Scarus fuscocaudalis*, a new species of parrotfish (Perciformes: Labroidae: Scaridae) from the western Pacific. *Micronesica* 32(2): 221-228.
- RANDALL, J.E. & G. NELSON. 1979. *Scarus japanensis*, *S. quoyi* and *S. iserti* - valid names for parrotfishes presently known as *S. capistratioides*, *S. blochii* and *S. croicensis*. *Copeia* 1979(2): 206-212.
- RANDALL, J.E. & R. F. G. ORMOND. 1978. On the Red Sea parrotfishes of Forsskål, *Scarus psittacus* and *S. ferrugineus*. *Zool. J. Linn. Soc.* 63, 239-248.
- RANDALL, J.E. & P. PARENTI. 1999. Rejection of nine old labrid fish names in order to conserve well-established taxa. *Rev. fr. Aquariol.* 26(1-2): 29-32.
- RANDALL, J.E. & R. M. PYLE. 1989. *Cirrhilabrus scottorum*, a new labrid fish from the South Pacific Ocean. *Rev. fr. Aquariol.* 5(4): 113-118.
- RANDALL, J.E. & H. A. RANDALL. 1981. A revision of the labrid fish genus *Pseudojuloides*, with description of five new species. *Pac. Sci.* 35(1): 51-74.
- RANDALL, J.E. & H. A. RANDALL. 1987. Annotated checklist of the fishes of Enewetak Atoll and other Marshall Islands, pp. 289-324. In: D.M. Devaney, E. S. Reese, B. L. Burch & P. Helfrich (eds), *The Natural History of Enewetak Atoll. Vol. II, Biogeography and Systematics*. U. S. Dept. of Energy, Oak Ridge, Tennessee.
- RANDALL, J.E. & S.-C. SHEN. 1978. A review of the labrid fishes of the genus *Cirrhilabrus* from Taiwan, with description of a new species. *Bull. Inst. Zool. Acad. Sin.* 17(1): 13-24.
- RANDALL, J.E. & M. M. SMITH. 1982. A review of the labrid fish genus *Halichoeres* of the western Indian Ocean, with descriptions of six new species. *Ichthyol. Bull. J. L. B. Smith Inst. Ichthyol.* 45: 1-26.
- RANDALL, J.E., C. L. SMITH & M. N. FEINBERG. 1990. Report on fish collections from Rapa, French Polynesia. *Amer. Mus. Nov.* 2966: 1-42.
- RANDALL, J.E. & V. G. SPRINGER. 1973. The monotypic Indo-Pacific labrid fish genera *Labrichthys* and *Diproctacanthus* with description of a new related genus, *Larabicus*. *Proc. Biol. Soc. Wash.* 86: 279-297.
- RANDALL, J.E. & V. G. SPRINGER. 1975. *Labroides pectoralis*, a new species of labrid fish from the tropical western Pacific. *UO* 25: 4-11.
- RANDALL, J.E. & T. YAMAKAWA. 1988. A new species of the labrid fish genus *Hologymnosus* from the western Pacific, with notes of *H. longipes*. *Rev. fr. Aquariol.* 15(1): 25-32.
- RANZANI, C. 1842. *De nonnullis novis speciebus piscium. Opusculum tertium. Novi Comment. Acad. Sci. Inst. Bonon.* 5: 307-338.
- RATHKE, H. 1837. Beitrag zur Fauna der Krym. Fische. *Mém. Sav. Etrang. St Pétersb.* 3: 309-354.
- REEVES, C. D. 1927. A catalogue of the fishes of northeastern China and Korea. *J. Pan-Pac. Res. Inst. Honolulu* 2(3): 1-16.
- REGAN, C.T. 1905. Description de six poissons nouveaux faisant partie de la collection du Musée d'Histoire Naturelle de Genève. *Rev. Suisse Zool.* 13: 389-393.
- REGAN, C.T. 1913. A collection of fishes made by Professor Francisco Fuentes at Easter Id. *Proc. Zool. Soc. London* 1913: 368-374.

- RENTHAL, H. 1921. The fishes of Easter Id, pp. 59-68. In: C. Skottsberg (ed.) The natural history of Juan Fernandez and Easter Id Vol. 3, Uppsala.
- RETZIUS, A. J. 1800. *Fuanae Sueciae a Carolo a Linné...inchoatae pars prima [sistens mammalia, aves, amphibia et pisces] quam recognovit, emendavit et auxit* A. J. Retzius...Lipsiae; x + 362 pp., 1 pl. (Pisces pp. 297-362).
- REUVENS, C. L. 1895. A new *Novacula*-specimen from the Balabalangan or Little Paternoster Isles. *Notes Leyden Mus.* 16: 131-132.
- RICHARDS, W. J. 1990. List of the fishes of the Western Central Atlantic and the status of early life stage information. *NOAA Tech. Memorandum NMSF SEFC-267*; 88 pp.
- RICHARDSON, J. 1839. Account of a collection of fishes from Port Arthur, Van Diemens Land. *Proc. Zool. Soc. London.* 7: 95-100.
- RICHARDSON, J. 1840. On some new species of fishes from Australia. *Proc. Zool. Soc. London* 8: 25-30.
- RICHARDSON, J. 1843a. *Iconae Piscium*, or Plates of Rare Fishes; Part I, Richard and John Taylor, London; 8 pp., 5 pls.
- RICHARDSON, J. 1843b. Contributions to the ichthyology of Australia. *Ann. Mag. Nat. Hist.* 11: 352-359.
- RICHARDSON, J. 1843c. Contributions to the ichthyology of Australia. *Ann. Mag. Nat. Hist.* 11: 422-428.
- RICHARDSON, J. 1844. Ichthyology (part 2), pp. 51-86. In: R. B. Hinds (ed.) The zoology of the voyage of the H. M. S. Sulphur, under the command of Captain Sir Edward Belcher, ..., during the years 1836-42. London. Vol. 1.
- RICHARDSON, J. 1845. Ichthyology (part 3), pp. 87-150. In: R. B. Hinds (ed.) The zoology of the voyage of the H. M. S. Sulphur, under the command of Captain Sir Edward Belcher, ..., during the years 1836-42. London. Vol. 1.
- RICHARDSON, J. 1846a. Ichthyology of the voyage of H.M.S. Erebus and Terror, pp. 53-74. In: J. Richardson & J.E. Gray (eds.) The zoology of the voyage of H. M. S. Erebus and Terror, under the command of Captain Sir J. C. Ross...during 1839-43. London, Vol. 2.
- RICHARDSON, J. 1846b. Reports on the ichthyology of the seas of China and Japan. *Rep. Brit. Ass. Adv. Sc.* [1845]: 187-320.
- RICHARDSON, J. 1848. Ichthyology of the voyage of H.M.S. Erebus and Terror; pp. viii + 75-139. In: J. Richardson & J.E. Gray (eds.) The zoology of the voyage of H. M. S. Erebus and Terror, under the command of Captain Sir J.C. Ross. during 1839-43. London, Vol. 2.
- RICHARDSON, J. 1850. Notices of Australian fish. *Proc. Zool. Soc. London* 1850: 58-77.
- RISSO, A. 1810. Ichthyologie de Nice, ou histoire naturelle des poissons du département des Alpes Maritimes. Paris; xxxvi + 388 pp., 11 pls.
- RISSO, A. 1827. Histoire naturelle des principales productions de l'Europe meridionale et particulièrement de celles des environs de Nice et des Alpes Maritimes. F. G. Levrault, Paris et Strasbourg, vol. 3; xvi + 480 pp., 16 pls. [dated 1826 in previous literature; see Eschmeyer et al., 1997].
- RIVATON, J., P. FOURMANOIR, P. BOURRET & M. KULBICKI. 1989. Catalogue des Poissons de Nouvelle-Calédonie. Rapport provisoire. ORSTOM, Centre de Noumea, Nouvelle Calédonie; 170 pp.
- RÖSE, A. F. 1793. *Petri Artedi Angermannia--Sueci synonymia nominum piscium fere omnium*;... Ichthyologiae pars IV. Greifswald, Edition II. Petri Artedi: 1-140.
- ROUX-ESTÈVE, R. & P. FOURMANOIR. 1955. Résultats scientifiques des campagnes de la "Calypso". VII. Poissons capturés par la mission de la "Calypso" en Mer Rouge. *Ann. Inst. Océanogr. Monaco.* 30: 195-203.
- RÜPPELL, W. 1828. Atlas zu der Reise im nördlichen Afrika. Fische des Rothen Meeres. Frankfurt-am-Main. Part 1: 1-26.
- RÜPPELL, W. 1829. Atlas zu der Reise im nördlichen Afrika. Fische des Rothen Meeres. Frankfurt-am-Main. Part 2: 27-94.
- RÜPPELL, W. 1835. Neue Wirbelthiere zu der Fauna von Abyssinien gehörig. Fische des Rothen Meeres. Frankfurt-am-Main, 1-28.
- RÜPPELL, W. 1852. Verzeichniss der in dem Museum den Senckenbergischen naturforschenden Gesellschaft aufgestellten Sammlungen. Vierte Abtheilung. Fische und deren Skelette. Frankfurt-am-Main, 1-40.
- RUSSELL, P. 1803. Descriptions and figures of two hundred fishes collected at Vizagapatam on the coast of Coromandel. London, 2 vols.
- RUSSELL, B. C. 1980. Revision of the fish genus *Pseudolabrus* and allied genera in the Labridae, with a phylogenetic analysis of forms. Ph. D. Dissertation, Macquarie University, Sydney, Australia; 247 pp.
- RUSSELL, B. C. 1983a. *Nelabrichthys*, a new genus of labrid fish (Perciformes: Labridae) from the southern Indian and Atlantic Oceans. *J.L.B. Smith Inst. Ichthyol. Spec. Pub.* 27: 1-7.
- RUSSELL, B. C. 1983b. Annotated checklist of the Coral Reef fishes in the Capricorn-Bunker Group, Great Barrier Reef Australia. Great Barrier Reef Marine Park Authority, Hartfields Printers, Mackay, Queensland, Australia; 184 pp.
- RUSSELL, B. C. 1985. Revision of the Indo-Pacific labrid fish genus *Suezichthys*, with descriptions of four new species. *Indo-Pac. Fishes* 2: 1-21.
- RUSSELL, B. C. 1986. A new species of *Suezichthys* (Pisces: Labridae) from the Great Australian Bight. *Trans. R. Soc. S. Aust.* 110(2): 59-61.
- RUSSELL, B.C. 1988. Revision of the labrid fish genus *Pseudolabrus* and allied genera. *Rec. Aust. Mus. Suppl.* 9: 1-71.
- RUSSELL, B. C. 1996. Type specimens of New Zealand fishes described by Captain F. W. Hutton, F. R. S. (1836-1905) *J. R. Soc. N. Zeal.* 26(2): 215-236.
- RUSSELL, B. C. & J.E. RANDALL. 1981. The labrid fish genus *Pseudolabrus* from Islands of the Southeastern Pacific, with description of a new species from Rapa. *Pac. Sci.* 34(4): 433-440.
- RUSSELL, P. 1803. Descriptions and figures of two hundred fishes; collected at Vizagapatam on the coast of Coromandel. London: vol. 1: vii + 1 + 78 + 4 pp., figs. 1-100; vol. 2: 85 + 4 p., figs. 101-208.
- SAKAMOTO, K. 1930. Two new species of fishes from the Japan Sea. *J. Imp. Fish. Inst. Tokyo* 26: 15-19.
- SANDAGER, F. S. 1888. List of fishes found around Mokohinau Islands; their spawning time and observations regarding some of the species. *Trans. Proc. N. Zeal. Inst.* 20 [1887]: 127-133.
- SAUVAGE, H. E. 1875. Sur la faune ichthyologique de l'Île Saint-Paul. *Compt. Rend. Acad. Sci.* 81: 987-989.
- SAUVAGE, H. E. 1880. Description de quelques poissons de la collection du Muséum d'Histoire Naturelle. *Bull. Soc. Philomath. Paris* (Ser. 7) 4: 220-228.
- SAUVAGE, H. E. 1891. Histoire Naturelle des Poissons. In: A. Grandidier *Histoire physique, naturelle et politique de Madagascar*. L'Imprimerie Nationale, Paris. Vol. 16; 543 pp., 50 pls.
- SAVILLE-KENT, W. 1888. Notes on the identity of certain Tasmanian fishes. *Pap. Proc. R. Soc. Tasmania* 1887: 47-48.
- SAVILLE-KENT, W. 1893. The Great Barrier Reef of Australia; its products and potentialities. London; xx + 387 pp., 66 pls.
- SAVILLE-KENT, W. 1897. The Naturalist in Australia. Chapman and Hall, London; 302 pp.
- SCHMIDT, P. J. 1931. Fishes of the Riu-Kiu Islands. *Trans. Pacific. Commun. Acad. Sci. U.S.S.R.* 1: 19-156.
- SCHOMBURGK, R. H. 1848. The history of Barbados; comprising a geographical description of the Island and an account of its geology and natural productions. London. Hist. Barbados: i-xx + 1-722.

- SCHÖPF, J. D. 1788. Beschreibung einiger Nordamerikanischen Fische, vorzüglich aus den neu-yorkischen Gewässern. *Sitzungsber. Ges. Naturf. Freunde Berlin*, v. 8: 138-194.
- SCHULTZ, L. P. 1943. Fishes of the Phoenix and Samoan Islands collected in 1939 during the expedition of the U. S. S. "Bushnell". *Bull. U. S. Natl. Mus.* 180: i-x + 1-316.
- SCHULTZ, L. P. 1958. Review of the parrotfishes Family Scaridae. *Bull. U. S. Natl. Mus.* 214: i-v + 1-143.
- SCHULTZ, L. P. 1968. A new subspecies of parrotfish, *Nicholsina usta collettei*, from the eastern Atlantic Ocean. *Proc. U.S. Natl. Mus.* 124: 1-5.
- SCHULTZ, L. P. 1969. The taxonomic status of the controversial genera and species of parrotfishes with a descriptive list (Family Scaridae) *Smithson. Contr. Zool.* 17: 1-49.
- SCHULTZ, L. P., W. M. CHAPMAN, E. A. LACHNER & P. L. WOODS. 1960. Fishes of Marshall and Mariana Islands. *Bull. U. S. Natl. Mus.* 202 (vol. 2): i-ix + 1-438.
- SCHULTZ, L. P. & N.B. MARSHALL. 1954. A review of the labrid fish genus *Wetmorella* with descriptions of new forms from the tropical Indo-Pacific. *Proc. U. S. Natl. Mus.* 103: 439-447.
- SCOPOLI, G.A. 1777. *Introductio ad historiam naturalem, sistens genera lapidum, plantarum et animalium hactenus detecta, caracteribus essentialibus donata, in tribus divisa, subinde ad leges naturae*. Prague; ix + 506 pp.
- SCOTT, E. O. G. 1942. Observations on some Tasmanian fishes. Part V. *Pap. Proc. R. Soc. Tasmania* 1941: 45-54.
- SCOTT, T. D. 1959. Notes on western Australian fishes, no. 1. *Trans. R. Soc. S. Austr.* 82: 73-91.
- SCOTT, T. D., C. J. M. GLOVER & R. V. SOUTHCOTT. 1974. The marine and freshwater fishes of South Australia. Handbooks Committee, South Australian Government Printer, Adelaide; 392 pp.
- SEALE, A. 1901a. Report of a mission to Guam. Part 2, fishes. *Occas. Pap. Bernice P. Bishop Mus.* 1(3): 61-128.
- SEALE, A. 1901b. New Hawaiian fishes. *Occas. Pap. Bernice P. Bishop Mus.* 1(4): 1-15.
- SEALE, A. 1906. Fishes of the South Pacific. *Occas. Pap. Bernice P. Bishop Mus.* 4(1): 1-89.
- SEALE, A. 1910. New species of Philippine fishes. *Philipp. J. Sci.* 4(6): 491-543.
- SEALE, A. 1935. The Templeton Crocker Expedition to Western Polynesia and Melanesia Islands, 1933. No. 27. Fishes. *Proc. Calif. Acad. Sci.* 21: 337-378.
- SEALE, A. & B. A. BEAN. 1907. On a collection of fishes from the Philippine Islands, made by Maj. Edgar A. Mearns, Surgeon, U. S. Army, with descriptions of seven new species. *Proc. U. S. Natl. Mus.* 33: 229-248.
- SEBA, A. 1761. *Locupletissimi rerum naturalium thesauri accurata descriptio, et iconibus artificiosissimis expressio, per universam physicem historiam opus, cui ex toto terrarum orbe collegit, digessit, descripsit et dipingendum curavit*. Jansonius van Waesberge, Wettstein & Smith, Amsterdam. Vol. 3; 212 pp., 116 pls..
- SEVASTIANOFF, A. 1802. Description de l'*Acarauna longirostris*, nouveau genre de poissons, appartenant à l'ordre des thoraciques, et qui se trouve dans le Musée de notre Academie des Sciences. *Nova Acta Acad. Sci. Imp. Petropol.* 13: 357.
- SHAW, G. 1803. General zoology or systematic natural history. Pisces. G. Kearley, London, 1800-1826. Vol 4; 632 pp.
- SHAW, G. AND F. P. NODDER. 1789-1813. The Naturalist's Miscellany, or coloured figures of natural objects; drawn and described from nature. London v. 10: unnum. pp. Pls. 365-396 (dates of publication determined by C.D. Sherborn 1895 *Ann. Mag. Nat. Hist.* (Ser. 6) 15: 375-376).
- SENOU, H. & T. HIRATA. 2000. A new labrid fish, *Cirrhilabrus katoi*, from southern Japan. *Ichthyol. Res.* 47 (1): 89-93.
- SHEN, S.-C. 1993. Fishes of Taiwan. Department of Zoology, National Taiwan University, Taipei; xx + 960 pp. (in Chinese with English abstract).
- SHEN, S.-C. & H.-S. YEH. 1987. Study on the razorfishes genus *Xyrichtys* (Labridae) of Taiwan. *J. Taiwan Mus.* 40(2): 61-71.
- SHEPARD, J. W. & K. A. MEYER. 1978a. A new species of the labrid fish genus *Macropharyngodon* from southern Japan. *Jap. J. Ichthyol.* 25(3): 159-164
- SHEPARD, J. W. & K. A. MEYER. 1978b. New records of labrid fishes from Japan. *UO* 29: 31-40.
- SMITH, J.L.B. 1947. New species and new records of fishes from South Africa. *Ann. Mag. Nat. Hist.* (Ser 11) 13: 793-821.
- SMITH, J.L.B. 1949. Interesting fishes of three genera new to South Africa. *Ann. Mag. Nat. Hist.* (Ser. 12) 2: 367-374.
- SMITH, J.L.B. 1953. The giant "Cushionhead Parrotfish" of Kenya, *Callyodon muricatus* (Valenciennes), and its growth stadia. *Ann. Mag. Nat. Hist.* (Ser. 12) 6: 620-622.
- SMITH, J.L.B. 1955. New species and new records of fishes from Mozambique. *Mem. Mus. Dr. Alvaro de Castro* 3: 1-27.
- SMITH, J.L.B. 1956a. The fishes of Aldabra. Part IV. *Ann. Mag. Nat. Hist.* (Ser 12) 8 [1955]: 928-937.
- SMITH, J.L.B. 1956b. The parrot fishes of the family Callyodontidae of the western Indian Ocean. *Ichthyol. Bull. J.L.B. Smith Inst. Ichthyol.* 1: 1-23.
- SMITH, J.L.B. 1957a. List of fishes of the family Labridae in the Western Indian Ocean with new records and five new species. *Ichthyol. Bull. J.L.B. Smith Inst. Ichthyol.* 7: 99-114.
- SMITH, J.L.B. 1957b. The labrid fishes of the subgenus *Julis* Cuvier, 1814 (in *Coris* Lacepède, 1802) from South Africa and East Africa. *Ichthyol. Bull. J.L.B. Smith Inst. Ichthyol.* 8: 117-120.
- SMITH, J.L.B. 1958. Rare fishes from South Africa. *S. Afr. J. Sci.* 54: 319-323.
- SMITH, J.L.B. 1959. The identity of *Scarus gibbus* Rüppell 1829 and of other parrotfishes of the family Callyodontidae from the Red Sea and the western Indian Ocean. *Ichthyol. Bull. J.L.B. Smith Inst. Ichthyol.* 16: 265-282.
- SMITH, J.L.B. 1968. A new labrid fish from deep water of Mozambique. *Copeia* 1968(2): 343-345.
- SMITH, J.L.B. & M. M. SMITH. 1963. Fishes of Seychelles. Department of Ichthyology, Rhodes University, Grahamstown; 215 pp.
- SMITH, R. & J. SWAIN. 1882. Notes on a collection of fishes from Johnston's Island, including descriptions of five new species. *Proc. U. S. Natl. Mus.* 5: 119-143.
- SNYDER, J. O. 1904. A catalogue of the shore fishes collected by the steamer "Albatross" about the Hawaiian Islands in 1902. *Bull. U. S. Fish. Comm.* 22: 513-538.
- SNYDER, J. O. 1908. Descriptions of eighteen new species and two new genera of fishes from Japan and Riu Kiu Islands. *Proc. U. S. Natl. Mus.* 35: 93-111.
- SNYDER, J. O. 1909. Descriptions of new genera and species of fishes from Japan and Riu Kiu Islands. *Proc. U. S. Natl. Mus.* 36: 597-610.
- SPIX, J. B. von & L. AGASSIZ. 1829-31. *Selecta genera and species piscium quos in itinere per Brasilian annos MDCCCXVII-MDCCCXX jussus et auspicii Maximiliani Josephi I... Monachii*. Fascicule I: xvii +82 pp (1829) Fascicule II: 83-138 (1831).
- SPRINGER, V. G. & J.E. RANDALL. 1974. Two new species of labrid fish genus *Cirrhilabrus* from the Red Sea. *Isr. J. Zool.* 23: 45-54.
- STARKS, E. C. 1913. The fishes of the Stanford expedition to Brazil. *Stanford Univ. Publ. Univ. Ser.* 1-77.
- STEINDACHNER, F. 1861. Ichthyologische Mittheilungen (II) *Verh. Zool.-Bot. Ges. Wien* 11: 133-144.
- STEINDACHNER, F. 1863a. Ichthyologische Mittheilungen (V) *Verh. Zool.-Bot. Ges. Wien* 13: 1111-1114.
- STEINDACHNER, F. 1863b. Ichthyologische Mittheilungen

- (VI) *Verh. Zool.-Bot. Ges. Wien* 13: 1189-1192.
- STEINDACHNER, F. 1864. Ichthyologische Notizen (I) *Sitzungsber. Math.-Naturwiss. Classe K. Akad. Wiss Wien* 49(1): 200-214.
- STEINDACHNER, F. 1866a. Ichthyologische Mittheilungen (VIII) *Verh. Zool.-Bot. Ges. Wien* 16: 475-484.
- STEINDACHNER, F. 1866b. Zur Fischfauna von Port Jackson in Australien. *Sitzungsber. Akad. Wiss. Wien* 53: 424-480.
- STEINDACHNER, F. 1866c. Ichthyologische Notizen. *Anzeiger K. Akad. Wiss. Math.-Naturwiss. Cl. 1* (5): 37-38.
- STEINDACHNER, F. 1866d. Über die Fische von Port Jackson in Australien. *Anzeiger K. Akad. Wiss. Math.-Naturwiss. Cl. 3* (7): 50-54.
- STEINDACHNER, F. 1867a. Ichthyologische Notizen (IV) *Sitzungsber. Akad. Wiss. Wien* 55: 517-534.
- STEINDACHNER, F. 1867b. Ueber einige neue und selteme Meeresfische aus China. *Sitzungsber. Math.-Naturwiss. Classe K. Akad. Wiss. Wien* 55 (4-5): 585-592.
- STEINDACHNER, F. 1867c. Ichthyologische Notizen (VI) *Sitzungsber. Akad. Wiss. Wien* 56: 307-376.
- STEINDACHNER, F. 1867d. Ichthyologische Notizen, vierte Folge. *Anzeiger K. Akad. Wiss. Math.-Naturwiss. Cl. 4* (8): 63-64.
- STEINDACHNER, F. 1869. Eine Abhandlung über neue oder seltene Fische des Wiener-Museums. *Anz. Akad. Wiss. Wien* 6 (16): 125-126.
- STEINDACHNER, F. 1870. Bericht über eine Sammlung von Fischen aus Singapore. *Sitzungsber. Akad. Wiss. Wien* 60: 567-571.
- STEINDACHNER, F. 1875. Ichthyologische Beiträge (II) I. Die Fische von Juan Fernandez in den Sammlungen des Wiener Museums. II. Über einige neue Fischarten von der Ost- und Westküste Süd-Amerikas. *Sitzungsber. Akad. Wiss. Wien* 71: 443-480.
- STEINDACHNER, F. 1878. Ichthyologische Beiträge (VI) *Sitzungsber. Akad. Wiss. Wien* 77: 379-392.
- STEINDACHNER, F. 1879. Über einige neue seltene Fischarten aus den K. K. Zoologischen Museum zu Wien, Stuttgart und Warschau. *Anz. Akad. Wiss. Wien* 16 (4): 29-34
- STEINDACHNER, F. 1881. Beiträge zur Kenntnis der Meeresfische Afrikas's und Beschreibung einer neuen *Sargus*-Art von den Galapagos-Inseln (Abstracts) *Anz. Acad. Wiss. Wien* 18 (16): 157-160.
- STEINDACHNER, F. 1883. Ichthyologische Beiträge (XIII) *Anz. Akad. Wiss. Wien*, 20 (22): 194-197.
- STEINDACHNER, F. 1884. Ichthyologische Beiträge (XIII) I. Beiträge zur Kenntniss der fische Australiens. II. *Caranx africanus* n. sp. III. *Macrones chinensis* n. sp. *Sitzungsber. Akad. Wiss. Wien* 88 (1. Abth.): 1065-1107.
- STEINDACHNER, F. 1887a. Ichthyologische Beiträge (XIV) *Anz. Akad. Wiss. Wien*, 24 (19): 230-231.
- STEINDACHNER, F. 1887b. Ichthyologische Beiträge (XIV). *Sitzungsber. Akad. Wiss. Wien*, 96: 56-68.
- STEINDACHNER, F. 1898a. Über einige neue Fischarten aus dem Rothen Meere. *Anz. Akad. Wiss. Wien* 35 (19): 198-200.
- STEINDACHNER, F. 1898b. Über einige neue Fischarten aus dem Rothen Meere, gesammelt während der I. und II. österreichischen Expedition nach dem Rothen Meere in den Jahren 1895-1896 und 1897-1898. *Sitzungsber. Akad. Wiss. Wien* 107: 780-788.
- STEINDACHNER, F. 1900. Fische aus dem Stillen Ocean. Ergebnisse einer Reise nach dem Pacific (Schauinsland, 1896-1897) *Anz. Akad. Wiss. Wien* 16: 174-178.
- STEINDACHNER, F. 1901. Fische aus dem Stillen Ocean. Ergebnisse einer Reise nach dem Pacific (Schauinsland 1896-1897) *Denkschr. Akad. Wiss. Wien* 70: 316-318; 483-522.
- STEINDACHNER, F. 1902. Wissenschaftliche Ergebnisse der südarabischen Expedition in den Jahren 1898 bis 1899. Fische von Südarabien und Socotra. *Anz. Akad. Wiss. Wien* 39 (24): 316-318.
- STEINDACHNER, F. 1903. Fische aus Südarabien und Socotra. *Denkschr. Akad. Wiss. Wien* 71: 123-168 [Dated as Nov. 1902, published in 1903].
- STEINDACHNER, F. & L. DÖDERLEIN. 1887. Beiträge zur Kenntnis der Fische Japan's. (IV) *Denkschr. Akad. Wiss Wien* 53: 257-296.
- STIASSNY, M. L. J. & J. S. JENSEN. 1987. Labroid interrelationships revisited: morphological complexity, key innovations, and the study of comparative diversity. *Bull. Mus. Comp. Zool.* 151: 269-319.
- STREETS, T.H. 1877. Ichthyology. In: Contribution to the natural history of the Hawaiian and Fanning Islands and Lower California, made in connection with the United States North Pacific surveying expedition, 1873-75. *Bull. U. S. Natl. Mus.* 7: 43-102.
- SVETOVIDOV, A. N. 1964. Ribí Chernogo Morya. [The fishes of the Black Sea]. *Opred Faune SSSR*, 86: pp. 1-552, fig. 1-191 (in Russian).
- SWAINSON, W. 1839. The natural history and classification of fishes, amphibian, & reptiles. London, vol. 2: vi + 448.
- SWAIN, J. 1883. An identification of the species of fishes described by Shaw' General Zoology. *Proc. Acad. Nat. Sci. Phila.* 1882: 303-309.
- TANAKA, S. 1908. Notes on some Japanese fishes, with descriptions of fourteen new species. *J. Coll. Sci. Imp. Univ. Tokyo* 23(7): 1-54.
- TANAKA, S. 1918. Figures and descriptions of the fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurili Islands, Korea, and southern Sakhalin. Vols. 27-29: 475-538.
- TANAKA, S. 1930. Figures and descriptions of the fishes of Japan. Vols. 46-47: 903-944.
- TEMMINCK, C. J. & H. SCHLEGEL. 1842-50. *Pisces*. In: *Fauna Japonica, sive descriptio animalium quae in itinere per Japoniam suscepto annis 1823-30 collegit, notis observationibus et adumbrationibus illustravit P. F. von Siebold*. Lugduni Batavorum, Batavia. Part 7-9 (1845): 113-172; Part 10-14 (1846): 173-269.
- THIOLLIÈRE, V.J. 1857. ["Le membre de la Commission de publication chargé de la revision de l'ichthyologie de Woodlark, en l'absence de l'auteur"] *Essai faune de l'île de Woodlark ou Moïou, par le P. Montrouzier, Lyon, 1857: 138-222.*
- THOMPSON, W. 1837. Notes relating to the natural history of Ireland, with a description of a new Genus of Fishes (*Echiodon*) *Proc. Zool. Soc. London* 1837: 52-66.
- THOMPSON, G. M. 1892. Notes on sea fishes. *Trans. Proc. N. Zeal. Inst.* [1891], 24: 202-215.
- TORTONESE, P. 1970. Fam. Labridae. pp. 188-224. In: *Osteichthyes, Pesci ossei (Parte Seconda) Fauna d'Italia, Edizioni Calderini. Bologna.*
- TROSCHEL, F. H. 1866. Ein Beitrag zur Ichthyologischen Fauna der Inseln des Grünen Vorgebirges. *Arch. Naturgeschichte* 22: 190-239.
- VAILLANT L. L. & H. E. SAUVAGE. 1875. Notes sur quelques espèces nouvelles de poissons des îles Sandwich. *Rev. Mag. Zool. (Ser. 3)* 3: 278-287.
- VALENCIENNES, A. 1837-44. Ichthyologie des îles Canaries, ou histoire naturelle des poissons rapportée par MM. Webb et Berthelot, 109 p. In: Webb P.B. & S. Berthelot. Histoire naturelle des îles Canaries. Paris, 1835-1850. Ichthyol. Canaries, vol. 2(part 2): 9-96.
- VALENCIENNES, A. 1846. Table + Ichthyologie Pls. 1-10. In: A. du Petit-Thouars. Atlas de Zoologie. Voyage autour du monde sur la frégate "Venus" pendant les années 1836-1839.
- VALENCIENNES, A. 1855. Ichthyologie. pp 297-351, In: A. du Petit-Thouars. Voyage autour du monde sur la frégate "la Venus" pendant les années 1836-39. Zoology. Paris.
- VASILIU, G. D. 1931. Beschreibung der Ceylon fische aus der

- Sammlung Plate. *Jena Z. Naturw.* 65: 319-360.
- VENKATARAMANUJAM, K., VENKATARAMANI, V. K. & N. RAMANATHAN. 1987. A new labrid fish *Xirichthys rajagopalani* sp. nov. from Tuticorin Bay, South India. *J. Mar. Biol. Ass. India* 24(1-2): 47-49.
- VICTOR, B.C. & G.M. WELLINGTON. (In press). A review of the razorfishes (Perciformes: Labridae) of the eastern Pacific Ocean. In, Systematics of tropical eastern Pacific fishes (D.R. Roberson & P.A. Hastings, eds). *Rev. Biol. Trop.*
- VON BONDE, C. 1934. A collection of marine fishes from Zanzibar. *Ann. Natal Mus. P'mburg* 7: 435-458.
- WAITE, E. R. 1901. Notes on fishes from Western Australia, No. 1. *Rec. Aust. Mus.* 4: 41
- WAITE, E. R. 1905. Notes on fishes from Western Australia, No. 3. *Rec. Aust. Mus.* 6: 55-82.
- WAITE, E. R. 1910. Additions to the fish fauna of New Zealand. *Trans. Proc. N. Zeal. Inst.* 1910: 25-26.
- WALBAUM, J. J. 1792. *Petri Artedi Sueci Genera Piscium. In quibus systema totum ichthyologiae proponitur cum classibus, ordinibus, generum characteribus, specierum differentiis, observationibus plurimis. Redactis speciebus 242 ad genera 52. Ichthyologiae, Pars III.* 1-723, pls 1-3.
- WANG, K.F. 1941. The labroid fishes of Hainan. *Contrib. Biol. Lab. Sci. Soc. China Nanking (Zool. Ser.)* 15(6): 87-119.
- WASS, R. C. 1984. An annotated checklist of the fishes of Samoa. *NOAA Tech. Rep. SSRF-781*: 1-43.
- WEBER, M. 1913. *Die Fische der Siboga-Expedition.* E.J. Brill, Leiden; xii + 710 pp.
- WELLINGTON, G.M. 1992. *Xyrichtys victori*, a new species of razorfish from the Galápagos Islands (Teleostei: Labriformes) *Copeia* 1992(4): 1053-1059.
- WELLINGTON, G. M., G. R. ALLEN & D. R. ROBERTSON. 1994. *Xyrichtys perlas* (Labriformes), a new species of razorfish from the tropical eastern Pacific. *Revue fr. Aquariol.* 21(1-2): 49-52
- WESTNEAT, M.W. 1993. Phylogenetic relationships of the tribe cheilini (Labriformes: Perciformes) *Bull. Mar. Sci.* 52: 351-394.
- WHEELER, A. 1991. The Linnean fish collection in the Zoological Museum of the University of Uppsala. *Zool. J. Linn. Soc.* 103: 145-195.
- WHITE, J. 1790. *Journal of a voyage to New South Wales.* Debrett, London; xvii + 299 pp.
- WHITLEY, G. P. 1930. Five new generic names for Australian fishes. *Aust. Zool.* 6: 250-251.
- WHITLEY, G. P. 1931a. New names for Australian fishes. *Aust. Zool.* 6: 310-334.
- WHITLEY, G. P. 1931b. Studies in Ichthyology. No. 4. *Rec. West. Aust. Mus.* 18: 96-133.
- WHITLEY, G. P. 1933. Studies in Ichthyology. No. 7. *Rec. West. Aust. Mus.* 19: 60-112.
- WHITLEY, G. P. 1941. Ichthyological notes and illustrations. *Aust. Zool.* 10: 1-50.
- WHITLEY, G. P. 1945. New sharks and fishes from Western Australia. *Aust. Zool.* 11: 1-42.
- WHITLEY, G. P. 1947. New sharks and fishes from Western Australia. *Aust. Zool.* 11: 129-150.
- WHITLEY, G. P. 1955. SIslandelights on New Zealand ichthyology. *Aust. Zool.* 12: 110-119.
- WHITLEY, G. P. 1956. Ichthyological notes. *Aust. Zool.* 12: 251-261.
- WHITLEY, G. P. 1958. Descriptions and records of fishes. *Proc. Linn. Soc. N. S. W.* 1956-57: 28-51.
- WHITLEY, G. P. 1959. More ichthyological snippets. *Proc. Linn. Soc. N. S. W.* 1957-58 [1959]: 11-26.
- WILSON, C. 1916. Some marine fishes from Columbia and Ecuador. *Ann. Carnegie Mus. Pittsburg* 10: 57-70.
- WINTERBOTTOM, R., A.R. EMERY & E. HOLM. 1987. An annotated checklist of the fishes of the Chagos Archipelago, Central Indian Ocean. *Roy. Ontario Mus. Life Sci. Contr.* 145: 1-226.
- WUITNER, E. 1936. Collection de poissons de mer pêchés vers 1870 à l'Île de la Réunion (Mer des Indes) offerte par le baron VIslandal de Léry. *Ann. Ass. Naturalistes Levallois-Perret* 22 [1935]: 59-76.
- YU, M. J. 1968. The labriform fishes of Taiwan. *Tunghai Univ. Biol. Bull.* 30: 1-137.
- ZOUJIEW, B. 1782. *Descriptio piscis non descripti, qui pertinet ad genus Scarorum Forskalii.* *Acta Acad. Petropol.* 1 [1779]: 229-232.

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INSTRUCTIONS TO AUTHORS

Manuscripts shorter than 30 pages will generally be published in the *Special Publications* series; longer papers will be considered for the *Ichthyological Bulletin* or *Ichthyological Monographs* series. Please follow the layout and format of a recent *Bulletin* or *Special Publication*. The typescript must be double-spaced throughout with 25 mm margins all round; two copies must be submitted to the Editor. Each table or figure should be on a separate page and numbered with an Arabic numeral (not in sequence with text pages). All maps, graphs, charts, drawings and photographs should be numbered as figures. If two or more illustrations are grouped as one figure, they must be trimmed and spaced (but not mounted) as intended for final reproduction. Each part of a composite figure must be labelled with a capital letter. Illustrations larger than 21 x 30 cm should be avoided. Legends for figures should be on a separate page. A computer diskette, with the text in RTF, MSWord or Corel WordPerfect format, will expedite publication of the manuscript.

STYLE OF THE HOUSE

Hyphens: Certain substantive compounds are hyphenated: gill-raker, soft-ray, type-species, type-locality, type-series, type-specimen. Other words often used together are not hyphenated unless they are used in adjectival expressions before a noun: anal fin / anal-fin rays; lateral line / lateral-line scales; gill arch / gill-arch filaments, etc.

Word usage: Although the following word pairs are often used interchangeably, we believe that consistent use of the first word as a noun and the second as an adjective will improve the precision of our writing: mucus / mucous; maxilla / maxillary; opercle / opercular, operculum / opercular. The operculum (= gill cover) comprises (usually) four separate bones: opercle, subopercle, preopercle and interopercle. The words preoperculum, suboperculum and interoperculum are unnecessary substitutes and not to be used for preopercle, subopercle and interopercle. The plural of operculum is opercula.

Decimal comma versus decimal point: Contrary to most journals published in South Africa and some European countries, we will not use a comma in place of a decimal point. Most computers do not read a comma as a decimal point. In addition, it is common in ichthyological papers to give sequences of measurements that include decimal numbers, with each measurement separated by a comma. If the comma is used to separate items in a series, as well as being used to indicate a decimal number, it will cause considerable confusion.

Fin formulae: Fin formulae will be designated as follows: D XII,10-12 indicates one continuous fin with 12 spines and 10-12 soft (segmented) rays; DX/I,10-12 indicates a fin divided to the base in front of the last spine; and D X+I,12 indicates two separate dorsal fins, the first with 10 spines and the second with 1 spine and 12 soft rays. If it is necessary to differentiate branched and unbranched soft-rays, lower-case Roman numerals will be used for unbranched rays and Arabic numerals for branched rays, e.g. P iii,8. Principal caudal-fin rays are defined as those that touch the hypural bones. The number of principal caudal rays is usually the number of branched rays plus two. If the principal caudal rays are in two separate groups, the number of rays in the dorsal group is given first: thus, "principal caudal rays 8+7" means that there are 15 principal caudal rays, with 8 rays in the dorsal group and 7 in the ventral group.

Abbreviations: Abbreviations usually end with a full stop: et al., e.g., etc., n.b., (note: these commonly used abbreviations of Latin words are not italicized). Dr (Doctor), Mr (Mister), Ms, Id (Island), Ids (Islands) and compass directions (north, west, northwest, etc.) are abbreviated using capital letters without full stops: N, W, NW. We recommend the following abbreviations for ichthyological terms: SL - standard length, TL - total length, FL - fork length, GR - gill-rakers, LL - lateral line.

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