

The ETYFish Project

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Order PERCIFORMES (part 5)

Suborder SERRANOIDEI (part 2 of 2)

Family EPINEPHELIDAE Groupers

16 genera · 191 species

***Aethaloperca* Fowler 1904**

aethalos, sooty or black, presumably referring to pale-brown to black color of *A. rogae*; *perca*, perch, i.e., a perch-like fish [treated as a junior synonym of *Cephalopholis* by some workers]

***Aethaloperca rogae* (Fabricius 1775)**

Rogāa, Arabic name for the grouper along the Red Sea of Saudi Arabia

***Alphestes* Bloch & Schneider 1801**

ancient Greek name for a greedy, incontinent fish with a bad reputation, sometimes said to swim in pairs, one behind the other, possibly *Symphodus tinca* (per Jordan & Evermann 1896), a wrasse; its application to a grouper is not explained

***Alphestes afer* (Bloch 1793)**

African, described from Guinea, West Africa (but also occurs in western Atlantic from Bermuda and North Carolina south to Uruguay, including southern Gulf of Mexico and Caribbean Sea)

***Alphestes immaculatus* Breder 1936**

im-, not; *maculatus*, spotted, referring to plain coloration (actually mottled, with spotted fins), compared to the profusely spotted *P. multiguttatus*

***Alphestes multiguttatus* (Günther 1867)**

multi-, many; *guttatus*, spotted, referring to head and body profusely covered with dark-brown spots (which often coalesce to form horizontal streaks)

***Anyperodon* Günther 1859**

etymology not explained, presumably *an-*, not; [*h*]yper, upper; *odon*, tooth, referring to absence of teeth on palatine

***Anyperodon leucogrammicus* (Valenciennes 1828)**

leucos, white; *grammicus*, lined, referring to three whitish longitudinal bands on sides

***Cephalopholis* Bloch & Schneider 1801**

cephalus, head; *pholis*, scale, referring to completely scaled head of *C. argus*

***Cephalopholis aitha* Randall & Heemstra 1991**

from the Greek *aithos*, burnt or reddish, referring to overall body color

***Cephalopholis argus* Schneider 1801**

etymology not explained, perhaps named for Argus, mythical hundred-eyed guardian of Io, whose eyes after death were transformed into the feathers of a peacock, referring to numerous small, dark-edged iridescent blue spots on smaller specimens (larger specimens sometimes develop 4-6 lighter vertical bars on posterior half of body)

***Cephalopholis aurantia* (Valenciennes 1828)**

orange-colored, referring to orange-red to orange-yellow or golden color of body in life

***Cephalopholis boenak* (Bloch 1790)**

from *Ikan Boenak* (*Ikan*=fish), Indonesian name for this species (although Bloch believed it was from Japan)

***Cephalopholis colonus* (Valenciennes 1846)**

latinization of *Colon*, local name for *Serranus creolus* (= *C. fuscifer*) in the Antilles, which this species closely resembles [sometimes placed in *Paranthias* Guichenot 1868, treated here as a junior synonym of *Cephalopholis*]

***Cephalopholis cruentata* (Lacepède 1802)**

blood-red, referring to red body color (actually gray, brown or olive) dotted with small dark-red spots

***Cephalopholis cyanostigma* (Valenciennes 1828)**

cyano-, blue; *stigma*, mark or spot, referring to numerous small black-edged blue spots on head, body and fins

***Cephalopholis formosa* (Shaw 1812)**

beautiful, presumably referring to appearance of its “numerous longitudinal deep-yellow stripes” (which are actually blue)

***Cephalopholis fulva* (Linnaeus 1758)**

fulvus, brownish yellow (but often used to mean yellow in general), possibly referring to its shallow-water orange-brown phase, or a xanthic or yellow phase known from shallow to deep water

***Cephalopholis furcifer* (Valenciennes 1828)**

furca, fork; *fero*, to bear, allusion not explained, probably referring to deeply forked caudal fin [sometimes placed in *Paranthias* Guichenot 1868, treated here as a junior synonym of *Cephalopholis*]

***Cephalopholis hemistiktos* (Rüppell 1830)**

hemi-, partial; *stiktos*, mark or spot, presumably referring to sky-blue dots more numerous on head, operculum and belly

***Cephalopholis igarashiensis* Katayama 1957**

-ensis, a suffix usually denoting place but here used for a patronym: in honor of Shoji Igarashi (no other information available), who collected type

***Cephalopholis leopardus* (Lacepède 1801)**

referring to red-orange spots on head and body, “so as to imitate the colors of the leopard” (translation)

***Cephalopholis microprion* (Bleeker 1852)**

micro-, small; *prion*, saw, presumably referring to fine serrations on posterior margin of preopercle

***Cephalopholis miniata* (Forsskål 1775)**

bright red or cinnabar red, referring to body color of adults (which varies from orange-red to reddish-brown)

***Cephalopholis nigri* (Günther 1859)**

of the mouth of the Niger River, Nigeria, type locality (occurs in Mediterranean Sea off Malta and eastern Atlantic from Canary Islands and Senegal south to Angola, including Madeira and islands in the Gulf of Guinea)

***Cephalopholis nigripinnis* (Valenciennes 1828)**

nigri-, black; *pinnis*, fin, referring to dark-brown or blackish fins

***Cephalopholis oligosticta* Randall & Ben-Tuvia 1983**

oligos, few; *stiktos*, spotted, referring to widely scattered blue spots, in sharp contrast to the numerous blue spots of its apparent closest relative, *C. miniata*

***Cephalopholis panamensis* (Steindachner 1876)**

-ensis, suffix denoting place: Pacific coast of Panama, type locality (occurs from Gulf of California south to Ecuador, including Galápagos Islands)

***Cephalopholis polleni* (Bleeker 1868)**

in honor of Dutch naturalist and merchant François Pollen (1842-1888), who collected type with Dutch explorer and naturalist Douwe Casparus van Dam (1827-1898)

***Cephalopholis polyspila* Randall & Satapoomin 2000**

poly, many; *spilos*, spot, referring to numerous small blue spots on head, body and fins

***Cephalopholis sexmaculata* (Rüppell 1830)**

sex, six; *maculatus*, spotted, referring to six large quadrangular black blotches on back (the first four extending basally onto dorsal fin, the last two on caudal peduncle)

***Cephalopholis sonnerati* (Valenciennes 1828)**

in honor of Pierre Sonnerat (1748-1814), French explorer, naturalist and collector, who provisionally named this species *Perca rubra* and whose manuscript provided the descriptive material for Valenciennes

***Cephalopholis spiloparaea* (Valenciennes 1828)**

spilos, mark or spot; *pareius*, checked, described as having “numerous and well marked” brown spots on cheeks “but barely visible on body” (translation)

***Cephalopholis taeniops* (Valenciennes 1828)**

taenia, band; *ops*, eye, referring to horizontal blue line or streak below eye

***Cephalopholis urodeta* (Forster 1801)**

etymology not explained, perhaps [*o*]ura, tail and *deta*, an unknown word, presumably an adjective, emended to “*delus*” by Valenciennes (1828); if “*delus*” (from the Greek *delos*, visible) is correct, then name could refer to the two converging oblique bands on caudal fin, mentioned and illustrated by Forster, which could be interpreted as making the tail visible (i.e., distinctive or easily noticed)

Chromileptes Swainson 1839

etymology not explained nor evident (also spelled *Cromileptes* by Swainson; both spellings are in current usage)

***Chromileptes altivelis* (Valenciennes 1828)**

altus, high; *velum*, sail, referring to high dorsal fin, then believed to be higher than any other presumed congener in *Serranus*

Dermatolepis Gill 1861

dermatos, skin; *lepis*, scale, referring to small cycloid scales of *D. punctatus* (= *dermatolepis*), embedded in the skin

Dermatolepis dermatolepis (Boulenger 1895)

dermatos, skin; *lepis*, scale, referring to small cycloid scales, embedded in the skin [replacement name for *Dermatolepis punctatus* Gill 1861, preoccupied in *Epinephelus* by *Holocentrus punctatus* Bloch 1790]

Dermatolepis inermis (Valenciennes 1833)

unarmed, referring to “barely distinct” (translation) opercular spine

Dermatolepis striolata (Playfair 1867)

striped, referring to ~15 “more or less undulated series of short brown streaks, which are sometimes confluent” on body of juveniles (adults are spotted)

Epinephelus Bloch 1793

epinéphelos, ancient Greek for “clouded over,” referring to film or membrane eye of most if not all groupers known to Bloch (although modern accounts mention only a transparent cornea protruding slightly through the orbit); Bloch also provided three vernacular names that describe the eyes: Blödaugen, German for “stupid eyes” or “bleary eyes,” depending on the translation, the English “Wall-eye,” and the French Tayes (per Bloch 1797), from *taie*, an opaque spot on the cornea

Epinephelus adscensionis (Osbeck 1765)

-ensis, suffix denoting place: Ascension Island, southeastern Atlantic, type locality (occurs in western Atlantic from Massachusetts throughout the Gulf of Mexico and Caribbean and south to Brazil, Saint Helena and Ascension islands, eastern Atlantic of Azores, and Gulf of Guinea)

Epinephelus aeneus (Geoffroy St. Hilaire 1817)

bronze, described from a plate, probably referring to greenish-bronze body color

Epinephelus akaara (Temminck & Schlegel 1843)

from *Aka-ara*, its name in Nagasaki, Japan, type locality (occurs in northwest Pacific from China and Taiwan to Korea and Japan)

Epinephelus albomarginatus Boulenger 1903

albus, white; *marginatus*, edged or bordered, referring to white margins on caudal fin and soft portions of dorsal and anal fins

Epinephelus amblycephalus (Bleeker 1857)

ambly, blunt; *cephalus*, head, referring to its blunt profile

Epinephelus analogus Gill 1863

similar, allusion not explained; according to Jordan & Evermann (1896), referring to its form and coloration resembling those of *E. adscensionis*

Epinephelus andersoni Boulenger 1903

in honor of Alexander Anderson (Durban, South Africa), a collector and purveyor of natural history specimens, “who takes a great interest in the fishes in which he deals,” and who brought to England six new perciform fishes from the coast of Natal, including *E. albomarginatus* and this one

Epinephelus areolatus (Forsskål 1775)

with areolae, presumably referring to numerous rounded brownish spots on body and fins

Epinephelus awoara (Temminck & Schlegel 1843)

from *Awo-ara*, its name in Nagasaki, Japan, type locality (occurs in western Pacific from Viet Nam east to Philippines, north to Japan)

Epinephelus bilobatus Randall & Allen 1987

bi-, two; *lobatus*, lobed, referring to series of three bilobed or close-set pairs of dark-brown spots along dorsal-fin base

Epinephelus bleekeri (Vaillant 1878)

in honor of Dutch medical doctor and ichthyologist Pieter Bleeker (1819-1878), whose 1849 account of *Serranus variolosus* (= *E. fasciatus*) served as the basis for Vaillant’s description

Epinephelus bontoides (Bleeker 1855)

-oides, having the form of: *Serranus bontoo* (= *E. faveatus*), its presumed closest relative at the time

Epinephelus bruneus Bloch 1793

brown, referring to dark grayish-brown body color, with darker brown blotches or spots

Epinephelus caninus (Valenciennes 1843)

dog, named for *Cachorro*, Spanish for a pup or young dog, its local name on the Canary Islands (type locality)

***Epinephelus chlorocephalus* (Valenciennes 1830)**

chloros, green; *cephalus*, head, described as having dark-green snout and dorsal part of head [an uncertain species, known from only one specimen in poor condition]

***Epinephelus chlorostigma* (Valenciennes 1828)**

chloros, green; *stigma*, mark or spot, referring to olive (actually brown) spots on body and fins

***Epinephelus clippertonensis* Allen & Robertson 1999**

-ensis, suffix denoting place: Clipperton Island, eastern Pacific, type locality

***Epinephelus coeruleopunctatus* (Bloch 1790)**

coeruleo-, blue; *punctatus*, spotted, described as having blue spots on fins (actually pale or white) [unnecessarily emended to *caeruleopunctatus* by many authors]

***Epinephelus coioides* (Hamilton 1822)**

-oides, having the form of: referring to presumed close relationship with *Coius* (= *Anabas*, Anabantiformes: Anabantidae)

***Epinephelus corallicola* (Valenciennes 1828)**

-icola, dweller or inhabitant, i.e., coral dwelling, allusion not explained, presumably referring to its habitat (a shallow-water grouper generally occurring over silty reefs)

***Epinephelus costae* (Steindachner 1878)**

in honor of Italian zoologist Oronzo Gabriele Costa (1787-1867), who reported this species as *Plectropomus* (now *Epinephelus*) *fasciatus* in 1844 [although named after a man, some classically trained zoologists latinized the names of individuals whose names ended with the letter “a” by adding an “e” to the spelling]

***Epinephelus craigi* Frable, Tucker & Walker 2018**

in honor of fisheries scientist Matthew T. Craig (b. 1976), National Oceanic and Atmospheric Administration, for his “significant” contributions to the conservation and scientific understanding of groupers and their relatives

***Epinephelus cyanopodus* (Richardson 1846)**

cyano-, blue; *podus*, foot, latinization of *Ching te* (“Blue foot”), its Chinese name as given by John Reeves, who painted fishes (including this one) while working as a tea inspector in China (1812-1831), described as having blue fins (including the pelvic, homologous to the foot) or yellowish-gray with blue bases (pectoral)

***Epinephelus daemeli* (Günther 1876)**

in honor of Eduard C. F. Dämle (1821-1900, also known as Dämel or Daemel), German entomologist and collector-dealer of natural history specimens; he obtained type in Australia collecting for the Godeffroy Museum (Hamburg)

***Epinephelus diacanthus* (Valenciennes 1828)**

di-, two; *acanthus*, thorn or spine, referring to two strong spines (varying from 1-5) at angle of operculum

***Epinephelus epistictus* (Temminck & Schlegel 1843)**

epi-, on or over; *stictos*, mark or spot, presumably referring to fins (except pectorals) dotted with dark spots, and/or very small dark-brown spots on body, often concentrated on upper half

***Epinephelus erythrurus* (Valenciennes 1828)**

erythros, red; *oura*, tail, described as having a red tail (actually brown)

***Epinephelus fasciatomaculosus* (Peters 1865)**

fasciatus, banded, referring to five dark-brown bars on body (prominent on juveniles, faint on adults and in alcohol), and *maculosus*, spotted, referring to two large spots on spinous dorsal fin (perhaps a continuation of the bars); although this grouper has numerous small brownish spots on its body, Peters did not mention these in his brief description

***Epinephelus fasciatus* (Forsskål 1775)**

banded, referring to 5-6 faint dark bars usually present on body

***Epinephelus faveatus* (Valenciennes 1828)**

honey-combed, referring to its hexagonal spots, “forming on the body of the fish a network similar to a bee hive” (translation)

***Epinephelus flavocaeruleus* (Lacepède 1802)**

flavus, yellow, referring to color of fins (and caudal peduncle); *caeruleus*, referring to bluish body and head

***Epinephelus fuscoguttatus* (Forsskål 1775)**

fuscus, dark or dusky; *guttatus*, spotted, presumably referring to many small dark-brown spots on body, but perhaps also including larger and more prominent dark blotches

***Epinephelus fuscomarginatus* Johnson & Worthington Wilmer 2019**

fuscus, dark or dusky; *marginatus*, edged or bordered, referring to broad dark-brown margins on unpaired fins

***Epinephelus gabriellae* Randall & Heemstra 1991**

in honor of marine biologist Gabriella Bianchi, who provided data on and photographs of specimens from Oman

***Epinephelus geoffroyi* (Klunzinger 1870)**

in honor of naturalist Étienne Geoffroy Saint-Hilaire (1772-1844), who reported this grouper as *Serranus tauvina* (now *E. tauvina*) in 1809

***Epinephelus goreensis* (Valenciennes 1830)**

-*ensis*, suffix denoting place: Gorée, Senegal, type locality (occurs in eastern Atlantic from Mauritania to Angola, including Cape Verde Islands and Gulf of Guinea)

***Epinephelus guttatus* (Linnaeus 1758)**

spotted, referring to numerous orange-red to brown spots covering head, body and fins

***Epinephelus heniochus* Fowler 1904**

charioteer, the “streaks on side of head suggesting a bridle or reins”

***Epinephelus hexagonatus* (Forster 1801)**

referring to hexagonal (some pentagonal) brown spots densely covering head and body (which tend to merge on sides, leaving only triangular white dots at corners of the polygons)

***Epinephelus howlandi* (Günther 1873)**

of Howland Island, central Pacific, type locality (occurs from China Sea and southern Japan throughout the west-central Pacific east to the Line Islands, south to Lord Howe Island)

***Epinephelus indistinctus* Randall & Heemstra 1991**

indistinct, referring to its “lack of clearly diagnostic characters,” i.e., all of its characters when taken collectively set it apart from its congeners

***Epinephelus insularis* Nakamura & Motomura 2021**

of islands, referring to its habitat, insular regions from southern Japan (Osumi, Tokara, Amami, and Ogasawara islands), Indonesia, and Micronesia (Caroline and Marshall islands)

***Epinephelus irroratus* (Forster 1801)**

sprinkled or covered with granules, referring to white dot on each scale (may not persist in alcohol)

***Epinephelus itajara* (Lichtenstein 1822)**

derived from *itajara*, presumably a Portuguese or local Brazilian name for this species or *E. guttatus* first reported in Marcgrave’s *Historiae naturalis brasiliae* (1648)

***Epinephelus japonicus* (Temminck & Schlegel 1843)**

Japanese, described from a stuffed specimen from Japan

***Epinephelus jayakari* (Boulenger 1889)**

in honor of Atmaram Sadashiva Grandin Jayakar (1844-1911), surgeon, Indian Medical Service, and collector of natural history, who provided many fishes from Muscat, Oman, to the British Museum, including type of this one

***Epinephelus kupangensis* Tucker, Kurniasih & Craig 2016**

-*ensis*, suffix denoting place: Kupang, Indonesia, the center of the Timor Sea fishery that provided the first author with holotype and several paratypes (occurs in western Pacific from eastern Indonesia east to Taiwan, Philippines and Fiji, north to Kochi, Japan)

***Epinephelus labriformis* (Jenyns 1840)**

Labrus, wrasse genus (Labrifformes); *formis*, shape, referring to oblong-oval shape, “very much the aspect of a *Labrus*”

***Epinephelus lanceolatus* (Bloch 1790)**

lanceolate, described as having fins that taper to a point (they do not in our opinion, possibly referring to a juvenile)

***Epinephelus latifasciatus* (Temminck & Schlegel 1843)**

latus, wide; *fasciatus*, banded, referring to two broad, white longitudinal bands, edged in black, one from above eye to base of soft dorsal fin, the other from cheek to lower caudal peduncle

***Epinephelus lebretonianus* (Hombron & Jacquinot 1853)**

-*ianus*, belonging to: etymology not explained, probably named for Louis Le Breton (1818-1866), assistant surgeon and artist/draftsman aboard the *Astrolabe*, from which type was collected during Dumont d’Urville’s second voyage to the South Seas (1837-1840), and who probably painted the only known image of the only known specimen (type locality unknown)

***Epinephelus longispinis* (Kner 1864)**

longus, long; *spinis*, spine, referring to third and fourth dorsal-fin spines, equal to $\sim\frac{1}{2}$ length of head (and distinctly higher than longest soft dorsal-fin ray)

***Epinephelus macrospilos* (Bleeker 1855)**

macro-, large; *spilos*, mark or spot, referring to dark-brown spots on body and fins

***Epinephelus maculatus* (Bloch 1790)**

spotted, referring to “fine meshwork” (translation) of spots on head and body, some as large as eye



Epinephelus lebretonianus. From: Jacquinot, H. and A. Guichenot. 1853. Reptiles et poissons. In: Dumont d'Urville, J., Voyage au Pôle Sud et dans l'Océanie sur les corvettes "L'Astrolabe" et "La Zélée." v. 3 (pt 2): 1-56, Pls. 1-7.

***Epinephelus magniscuttis* Postel, Fourmanoir & Guézé 1963**

magni-, large; *scuttis*, presumably derived from *scutum*, shield, probably referring to what the authors described as its large scales, <80 along lateral line

***Epinephelus malabaricus* (Bloch & Schneider 1801)**

-icus, belonging to: Malabar (i.e., southern India), presumably referring to Tranquebar (now Tharangambadi), Tamil Nadu, India, type locality (occurs in Red Sea and Indo-West Pacific from East Africa, Madagascar and western Mascarenes east to Tonga, north to southern Japan, south to Western Australia and New South Wales)

***Epinephelus marginatus* (Lowe 1834)**

edged or bordered, referring to white (often golden yellow) margins on paired, caudal and spinous dorsal fins

***Epinephelus melanostigma* Schultz 1953**

melanos, black; *stigma*, mark or spot, referring to single blackish blotch at base of dorsal fin

***Epinephelus merra* Bloch 1793**

from *Ikan Meer* (*Ikan*=fish), Indonesian name for this grouper

***Epinephelus miliaris* (Valenciennes 1830)**

-arius, pertaining to: *mille*, thousand, presumably referring to numerous small brownish-yellow spots on body and head

***Epinephelus moara* (Temminck & Schlegel 1843)**

from *Mo-ara*, its name in Nagasaki, Japan, type locality (occurs in northwestern Pacific from South China Sea to Japan)

***Epinephelus morio* (Valenciennes 1828)**

according to Jordan & Evermann (1896), latinization of *Moor*, translation of the *nègre*, local name for this grouper at Santo Domingo, Dominican Republic, both used as derogatory words for dark-skinned people

***Epinephelus morrhua* (Valenciennes 1833)**

latinization of *morue*, from *vieille morue* ("old cod"), its local name at Martinique (type locality), because it is salted like cod and eaten when cod is out of season

***Epinephelus multinotatus* (Peters 1876)**

multi-, many; *notatus*, marked, proposed without a description, probably referring to scattered irregular whitish blotches of variable size on body and smaller ones on head (juveniles also have white blotches on fins)

***Epinephelus ongus* (Bloch 1790)**

latinization of *ongo*, from *Ikan Ongo* (*Ikan*=fish), Indonesian name for this fish (although Bloch believed it was from Japan)

***Epinephelus poecilnotus* (Temminck & Schlegel 1843)**

poecilio-, varicolored; *notus*, back, referring to multiple configurations of white stripes on back and upper body of juveniles, starting from the top: (1) crescent-shaped, (2) curved line roughly parallel to the first, (3) along sides, (4) from eye to chest and then along sides

***Epinephelus polylepis* Randall & Heemstra 1991**

poly, many; *lepis*, scale, referring to high scale counts on body compared to its closest congeners, *E. chlorostigma*

and *E. gabriellae*

***Epinephelus polyphkadion* (Bleeker 1849)**

poly, many; *phkadion*, presumably from *phakoeides*, lentiform (shaped like a lentil), presumably referring to numerous small, close-set dark-brown spots on head, back and sides

***Epinephelus polystigma* (Bleeker 1853)**

poly, many; *stigma*, mark or spot, referring to white to yellowish-white “densely sown” (translation) spots on head, body and fins (except pelvic) on adults (often absent in preserved specimens)

***Epinephelus posteli* Fourmanoir & Crosnier 1964**

patronym not identified, probably in honor of Emile Postel, ORSTOM (Office de la Recherche Scientifique et Technique d’Outre-Mer), who collaborated with the authors on a paper on serranid fishes in 1963

***Epinephelus quinquefasciatus* (Bocourt 1868)**

quinque, five; *fasciatus*, banded, referring to five oblique bars on body (3-4 on smaller specimens) that extend to dorsal and anal fins

***Epinephelus quoyanus* (Valenciennes 1830)**

-*anus*, belonging to: surgeon-naturalist Jean René Constant Quoy (1790-1869), who, with Joseph Paul Gaimard (1793-1858), collected type

***Epinephelus radiatus* (Day 1868)**

rayed, allusion not explained nor evident; Day mentioned fin rays twice: “Dorsal spines moderately strong and nearly as high as the rays, the interspinous membrane but slightly emarginated,” and “Caudal wedge-shaped, its central rays being slightly the longest”

***Epinephelus rankini* Whitley 1945**

in honor of F. J. Rankin, postmaster at Onslow, Western Australia, who netted holotype, for his “valued specimens and notes of fishes from his district”

***Epinephelus retouti* Bleeker 1868**

in honor of M. (Monsieur?) Retout of Mauritius, who contributed to the natural history collections made by François Pollen (see *Cephalopholis polleni*)

***Epinephelus rivulatus* (Valenciennes 1830)**

rivulated, i.e., marked by irregular streaks, referring to 3-4 wavy brown lines on cheek below eye

***Epinephelus sexfasciatus* (Valenciennes 1828)**

sex, six; *fasciatus*, banded, referring to five blackish (actually dark gray-brown) bars on body and one on nape

***Epinephelus sicanus* (Doderlein 1882)**

-*anus*, belonging to: Sicily, Italy, where type locality (Mediterranean Sea at Palermo) is situated (also known from Malta)

***Epinephelus socialis* (Günther 1873)**

social (i.e., of society), allusion not explained but almost certainly referring to its occurrence at the Society Islands of the South Pacific (also occurs at insular coral reefs from southern Japan to Pitcairn Islands)

***Epinephelus spilotoceps* Schultz 1953**

spilotus, marked or spotted; *ceps*, head, referring to small black spots dorsally on front part of head

***Epinephelus stictus* Randall & Allen 1987**

punctured or spotted, referring to sprinkling of tiny dark-brown spots on upper part of head and dorso-anteriorly on body

***Epinephelus stoliczkae* (Day 1875)**

in memory of Ferdinand Stoliczka (1838-1874), “friend, and fellow worker in zoology,” whose “untimely death” was “due to excess of zeal in the cause of Natural History” (Stoliczka, paleontologist for the Geological Survey of India, died of high-altitude sickness, then attributed to extreme cold, at the summit of the Karakorum Pass between India and China) [although named after a man, some classically trained zoologists latinized the names of individuals whose names ended with the letter “a” by adding an “e” to the spelling]

***Epinephelus striatus* (Bloch 1792)**

striped, described from an illustration showing six brown bands on upper body (in actuality, these stripes are more like irregular dark bars that extend to abdomen; also, some specimens display a bicolored spawning pattern absent of any bars)

***Epinephelus suborbitalis* Amaoka & Randall 1990**

named for the “unusually deep” suborbital region of head

***Epinephelus summana* (Fabricius 1775)**

apparent latinization of *Summân*, Arabic name for this grouper along the Red Sea

***Epinephelus tauvina* (Fabricius 1775)**

Tauvina, Arabic name for this grouper along the Red Sea of Saudi Arabia

***Epinephelus timorensis* Randall & Allen 1987**

-*ensis*, suffix denoting place: Timor Sea, where type locality (Dillon Shoals, Western Australia), is situated

***Epinephelus trimaculatus* (Valenciennes 1828)**

tri-, three; *maculatus*, spotted, referring to three black blotches on back: at base of posterior dorsal-fin spines, at midbase of soft dorsal fin, and on caudal peduncle

***Epinephelus trophis* Randall & Allen 1987**

well-fed or plump, referring to robust body

***Epinephelus tuamotuensis* Fourmanoir 1971**

-*ensis*, suffix denoting place: Tuamotu Archipelago, French Polynesia, type locality

***Epinephelus tukula* Morgans 1959**

from *Vielle tukula*, its local name in the Seychelles, *Vielle* applied there to most groupers and *tukula* a Malagash word meaning “maneater,” referring to the fish’s size (up to 200 cm TL) and “reputation for taking man”

***Epinephelus undulatostratus* (Peters 1866)**

undulatus, wavy; *striatus*, striped, referring to numerous irregular, undulating longitudinal lines on body

***Epinephelus undulosus* (Quoy & Gaimard 1824)**

with wavy lines, referring to slightly wavy, longitudinal, yellow-brown lines on upper ¾ of body (usually lost on older specimens)

***Gonioplectrus* Gill 1862**

gonio-, angle; *plectrum*, spur, referring to large antrorse hook on preopercle

***Gonioplectrus hispanus* (Cuvier 1828)**

Spanish, referring to *ouatalibi espagnol*, Creole name for this grouper in Martinique (type locality), named for its colors, said to resemble those of the Spanish flag

***Gracila* Randall 1964**

slender or graceful, allusion not explained, perhaps referring to “moderately slender” dorsal- and anal-fin spines (one of the common names of *G. albomarginata* is Slenderspine Grouper) [treated as a junior synonym of *Cephalopholis* by some workers]

***Gracila albomarginata* (Fowler & Bean 1930)**

albus, white; *marginatus*, edged or bordered, referring to “broad, contrasted whitish upper border” of soft dorsal fin (blue in some specimens)

***Hyporthodus* Gill 1861**

hypo-, below; *orthos*, straight; *odon*, tooth, allusion not explained, perhaps referring to “vertical and quite strongly dentated” ascending (i.e., lower) margin of preoperculum of *H. flavicauda* (= *niveatus*)

***Hyporthodus acanthistius* (Gilbert 1892)**

acanthus, thorn or spine; *istios*, sail, referring to “very high” spinous dorsal fin, the third spine half length of head

***Hyporthodus chabaudi* (Castelnau 1861)**

in honor of M. (probably Monsieur) Chabaud, who collected several fishes from Algoa Bay, South Africa, including holotype of this one; possibly Gustavus Henry Pullen Chabaud (1826-1877) or his brother Louis Antoine Chabaud (1831-1901), both the sons of John Chabaud (1796-1837, after whom a number of plants are named), and who both lived in South Africa where Louis is described as being an Inspector of Native Territories

***Hyporthodus cifuentesi* Lavenberg & Grove 1993**

in honor of Miguel Cifuentes, former Intendente of Galápagos National Park, for his assistance in field work at the Galápagos Islands

***Hyporthodus darwinensis* (Randall & Heemstra 1991)**

-*ensis*, suffix denoting place: Darwin, Northern Territory, Australia, near Bathurst Island, type locality

***Hyporthodus drummondhayi* (Goode & Bean 1878)**

in honor of Henry Maurice Drummond Hay (1814-1896), Scottish naturalist, ornithologist and artist, who discovered this species at Bermuda in 1851 and loaned a water-color drawing to the Smithsonian Institution

***Hyporthodus ergastularius* (Whitley 1930)**

convict, allusion not explained, perhaps referring to seven dark-brown bands on body of juveniles (usually faded or absent in adults), like the stripes of the stereotypical prisoner’s uniform

***Hyporthodus exsul* (Fowler 1944)**

exile, discovered in the stomach of a Black Skipjack Tuna, *Euthynnus lineatus*

***Hyporthodus flavolimbatus* (Poey 1865)**

flavus, yellow; *limbatus*, edged or bordered, referring to narrow bright-yellow margin on entire dorsal fin of juveniles (reduced or absent in adults); pectoral and sometimes anal and caudal fins may be edged in yellow

***Hyporthodus griseofasciatus* Moore, Wakefield, DiBattista & Newman 2022**

griseus, gray; *fasciata*, banded, reflecting vernacular name most frequently applied to this species by anglers in Western Australia, “greyband,” referring to gray bands alternating with seven dark-brown bands

***Hyporthodus haifensis* (Ben-Tuvia 1953)**

-ensis, suffix denoting place: Sea Fisheries Research Station at Haifa, Israel, near Caesarea, Mediterranean Sea, type locality (also occurs in eastern Atlantic from Portugal south to Angola)

***Hyporthodus mystacinus* (Poey 1852)**

mustachioed, referring to diagonal dark stripe, “like a mustache, parallel to the upper jaw” (translation)

***Hyporthodus nigrinus* (Holbrook 1855)**

blackened, referring to plain chocolate-brown color, varying to blackish gray, without markings

***Hyporthodus niphobles* (Gilbert & Starks 1897)**

snowed upon, referring to “clear-cut, distinct” white spots on sides of juveniles

***Hyporthodus niveatus* (Valenciennes 1828)**

snowy, referring to white spots on head, body and dorsal fin

***Hyporthodus octofasciatus* (Griffin 1926)**

octo-, eight; *fasciatus*, banded, referring to eight broad, dark-purple bars on body (bars may fade instantly upon death)

***Hyporthodus perplexus* (Randall, Hoese & Last 1991)**

puzzling, referring to its “many peculiarities” (per Randall et al. 1993): known from only a single specimen and “surprising” that more have not been found; lack of additional specimens and absence of any highly diagnostic characters, apart from the unusual low dorsal soft ray count of 13, is “puzzling”; replacement name for *Epinephelus thompsoni* Whitley 1948, secondarily preoccupied by *Stereolepoides thompsoni* Fowler 1923 (= *Epinephelus lanceolatus*) when both are in *Epinephelus*

***Hyporthodus peruanus* (Chirichigno F. 1963)**

Peruvian, known only from the eastern Pacific of Peru

***Hyporthodus quernus* (Seale 1901)**

oaken, presumably referring to reddish-brown color of adults

***Hyporthodus septemfasciatus* (Thunberg 1793)**

septem, seven; *fasciatus*, banded, referring to seven white bands on body (actually white interspaces between broad dark bars, with nine total bands including those on head and caudal peduncle)

***Mycteroperca* Gill 1862**

mycterus, nostril, referring to large divided posterior nostril of *M. olfax*; *perca*, a perch-like fish

***Mycteroperca acutirostris* (Valenciennes 1828)**

acutus, sharp or pointed; *rostris*, snout, referring to long pointed snout, more pointed compared to presumed congeners in *Serranus*

***Mycteroperca bonaci* (Poey 1860)**

Bonaci, Cuban name for this grouper

***Mycteroperca cidi* Cervigón 1966**

in memory of Cervigón’s professor, D. Francisco García del Cid (1897-1965), University of Barcelona (Cid was run over by a car on his way home from the University)

***Mycteroperca fusca* (Lowe 1838)**

dark or dusky, referring to brownish or dark-gray body color of adults

***Mycteroperca interstitialis* (Poey 1860)**

having interstices, referring to brown-to-purple body crossed in all directions by lighter bands, creating the appearance of large squarish spots separated by short interstices

***Mycteroperca jordani* (Jenkins & Evermann 1889)**

in honor of ichthyologist David Starr Jordan (1851-1931), who allowed the authors to use his library and fish collection

***Mycteroperca microlepis* (Goode & Bean 1879)**

micro-, small; *lepis*, scale, referring to smaller, more numerous scales compared to *M. interstitialis*

***Mycteroperca olfax* (Jenyns 1840)**

olfactory (to smell), referring to its “rather peculiar” nostrils, “a little in advance of the eyes, and consist[ing] of one large, nearly circular, aperture, enclosing two smaller ones, which are also circular and placed equally in advance”

***Mycteroperca phenax* Jordan & Swain 1884**

deceptive, equivalent of “Scamp” (i.e., prankster), local name for this species “everywhere” along the Florida coast (USA)

***Mycteroperca prionura* Rosenblatt & Zahuranec 1967**

prion, saw; *oura*, tail, referring to “jagged, saw-toothed appearance” of caudal-fin margin of large specimens

***Mycteroperca rosacea* (Streets 1877)**

rosy, described as having a “uniformly rosaceous” color in life (modern accounts describe adults with a greenish to gray-brown ground color, with a portion of the population exhibiting a xanthic pattern in which the fish is a bright yellow-orange)

***Mycteroperca rubra* (Bloch 1793)**

red, referring to reddish-brown body color, often mottled with black or pale-gray spots (not the uniform bright-red color depicted in Bloch’s plate)

***Mycteroperca tigris* (Valenciennes 1833)**

tiger, allusion not explained, perhaps referring to tiger-like pattern of stripes on nape and upper body

***Mycteroperca venenosa* (Linnaeus 1758)**

poisonous; this grouper often carries ciguatoxin and is not much caught for food

***Mycteroperca xenarcha* Jordan 1888**

xenos, strange (i.e., different); *archa*, anus, referring to angular anal fin, its seventh ray produced

***Plectropomus* Oken 1817**

plectrum, spur; *pomus*, lid or covering, referring to ventral edge of preopercle with three large downward-projecting spines (often covered by skin)

***Plectropomus areolatus* (Rüppell 1830)**

with areolae, probably referring to numerous round to slightly oblong dark-edged blue spots on head, body and fins

***Plectropomus laevis* (Lacepède 1801)**

smooth, allusion not explained, perhaps referring to scaleless interorbital area and/or smooth interopercle and subopercle

***Plectropomus leopardus* (Lacepède 1802)**

referring to leopard-like pattern of small spots on head and most of body

***Plectropomus maculatus* (Bloch 1790)**

spotted, referring to dark-edge blue spots on head, body (except lower thorax and abdomen) and median fins

***Plectropomus marisrubri* Randall & Hoese 1986**

maris, sea; *rubrus*, red, proposed as a subspecies of *P. pessuliferus* from the Red Sea

***Plectropomus oligacanthus* (Bleeker 1855)**

oligo-, few; *acanthus*, thorn or spine, referring to fewer dorsal-fin spines compared to congeners (at least among those known to Bleeker)

***Plectropomus pessuliferus* (Fowler 1904)**

pessulus, a little bar; *fero*, to bear, referring to short dark vertical bars (actually elongated spots) on sides of some adults

***Plectropomus punctatus* (Quoy & Gaimard 1824)**

spotted, referring to slightly reddish-brown body “agreeably sprinkled with an infinity of elongated bluish spots, placed without order in front, and forming regular lines towards the tail” (translation)

***Pseudogramma* Bleeker 1875**

pseudo-, false, then presumed to be closely related to *Gramma* (Ovalentaria: Grammatidae)

***Pseudogramma astigma* Randall & Baldwin 1997**

a-, without; *stigma*, spotted, i.e., unspotted, referring to absence of prominent dark-brown or black spot on opercle as seen on other congeners

***Pseudogramma australis* Randall & Baldwin 1997**

southern, referring to occurrence at Easter Island in southern Oceania [populations from Pitcairn Islands and Tonga, originally included under this name, are now called *P. xanthum*]

***Pseudogramma axelrodi* Allen & Robertson 1995**

in honor of pet-book publisher Herbert R. Axelrod (1927-2017), for his “many ichthyological contributions and generous patronage of this branch of science” (e.g., he provided airfares for the senior author)

***Pseudogramma brederi* (Hildebrand 1940)**

in honor of ichthyologist Charles M. Breder Jr. (1897-1983), American Museum of Natural History, who described the first species of the genus known from the Atlantic (*P. gregoryi*) and “who himself indeed collected

specimens on the Bird Key rookery” in the Tortugas of Florida (USA), presumably the type locality of this species

***Pseudogramma cernunnos* Prokofiev 2019**

named after Kernunn, a horned Celtic deity, referring to long triangular skin growth (supraorbital barbel) above eye

***Pseudogramma erythrea* Randall & Baldwin 1997**

red, referring to predominantly red color pattern

***Pseudogramma galzini* Williams & Viviani 2016**

in honor of René Galzin (b. 1950), École Pratique des Hautes Études at the Sorbonne, France, who has spent his career working on fish ecology in French Polynesia; he helped organize the expeditions that led to the collection of this species and *P. paucilepis*

***Pseudogramma gregoryi* (Breder 1927)**

in honor of zoologist William K. Gregory (1876-1970), Breder’s “chief” at the American Museum of Natural History

***Pseudogramma guineensis* (Norman 1935)**

-ensis, suffix denoting place: Gulf of Guinea, off Annobón Island, Equatorial Guinea, type locality (occurs in eastern Atlantic from Cape Verde Islands to the Gulf of Guinea)

***Pseudogramma megamyctera* Randall & Baldwin 1997**

mega-, large; myctera, nostriled, referring to long tubular anterior nostrils

***Pseudogramma paucilepis* Williams & Viviani 2016**

paucus, few; lepis, scale, referring to relatively reduced scalation on interorbital, suborbital and dentary compared to *P. polycantha*

***Pseudogramma pectoralis* Randall & Baldwin 1997**

pectoral, having the largest pectoral fins in the genus and being one of two species with only 13 pectoral-fin rays

***Pseudogramma polyacanthus* (Bleeker 1856)**

poly, many; acanthus, thorn or spine, referring to more (7) dorsal-fin spines compared with 2-3 in *Pseudochromis* (Ovalenteria: Pseudochromidae), its presumed closest relative at the time

***Pseudogramma thaumasia* (Gilbert 1900)**

wonderful, allusion not explained nor evident

***Pseudogramma xantha* Randall, Baldwin & Williams 2002**

yellow, referring to ground color

***Saloptia* Smith 1964**

etymology not explained nor evident

***Saloptia powelli* Smith 1964**

in honor of Ronald Powell, Fisheries Officer, Cook Island, Pacific, who provided type

***Triso* Randall, Johnson & Lowe 1989**

abbreviation of *Trisotropis* Gill 1865 (= *Mycteroperca*), “misapplied” by previous workers to the lone species of the genus (*tri*-, three; *iso*-, equal; *tropis*, keel, original allusion not evident)

***Triso dermopterus* (Temminck & Schlegel 1843)**

dermo-, skin; pterus, fin, referring to dorsal, anal and caudal fins covered with small scales

***Variola* Swainson 1839**

“spotted disease” or smallpox, allusion not explained, perhaps referring to numerous small and irregular spots and dashes on head and body of *V. longipinnis* (= *louti*)

***Variola albimarginata* Baissac 1953**

albo-, white; marginata, edged or bordered, referring to white or yellow posterior margin on caudal fin

***Variola louti* (Fabricius 1775)**

Arabic name for this grouper along the Red Sea of Saudi Arabia

Family LIOPROPOMATIDAE Painted Basslets

Subfamily Liopropomatinae Basslets

4 genera · 38 species

***Bathyanthias* Günther 1880**

bathy, deep, presumably referring to *B. roseus* being captured at 55-640 m; *Anthias*, body form similar to that genus

***Bathyanthias atlanticus* (Schultz 1958)**

Atlantic, described from the western Atlantic off French Guiana

***Bathyanthias cubensis* (Schultz 1958)**

-ensis, suffix denoting place: Cuba, type locality (occurs in Gulf of Mexico to the southern Caribbean)

***Bathyanthias mexicanus* (Schultz 1958)**

Mexican, referring to Gulf of Mexico, type locality (also occurs in western Atlantic from Florida south to French Guiana)

***Bathyanthias roseus* Günther 1880**

rosy, referring to uniform rose-colored body (with two faint longitudinal bands)

***Jeboehkia* Robins 1967**

-ia, belonging to: James E. Böhlke (1930-1982), Curator of Fishes at the Academy of Natural Sciences of Philadelphia, for his “extensive” contribution to the knowledge of tropical Atlantic fishes

***Jeboehkia gladius* Robins 1967**

gladius, sword; *fero*, to bear, referring to blade-like first dorsal-fin spine

***Liopropoma* Gill 1861**

leios, smooth; *propoma*, preopercle, referring to smooth-edged (lacking serrations or spines) preopercle of *L. aberrans*

***Liopropoma aberrans* (Poey 1860)**

aberrant (i.e., straying or different), wandering away from the type of *Perca* (original genus), but Poey provisionally placed it in *Perca* until he had more specimens to study “so as not to encumber the generic nomenclature” (translation)

***Liopropoma africanum* (Smith 1954)**

African, representing the “noteworthy” discovery of a “far Eastern” genus (*Chorististium*, =*Liopropoma*) in the western Indian Ocean off East Africa and Madagascar

***Liopropoma aragai* Randall & Taylor 1988**

in honor of ichthyologist Chuichi Araga, Seto Marine Biological Laboratory, Kyoto University (Japan), who provided holotype and photograph of it to the authors

***Liopropoma aurora* (Jordan & Evermann 1903)**

Aurora, Roman goddess of dawn, presumably referring to pale rosy body color with sulphur-yellow spots and streaks on back, fin margins and head, giving it a sunrise-like quality

***Liopropoma carmabi* (Randall 1963)**

named for the Caribbean Marine Biological Institute (Caraïbisch Marien-Biologisch Instituut, or Carmabi) of Curaçao and its “most cooperative staff”

***Liopropoma collettei* Randall & Taylor 1988**

in honor of Bruce B. Collette (b. 1935), Senior Systematic Zoologist, National Marine Fisheries Service, who helped collect paratypes from Papua New Guinea in 1970

***Liopropoma danae* (Kotthaus 1978)**

in honor of the Danish fishery research vessel *Dana*, from which type was collected [probably a juvenile of a described species of *Liopropoma*]

***Liopropoma dorsoluteum* Kon, Yoshino & Sakurai 1999**

dorsum, back; *luteus*, yellow, referring to yellow color of back (“abruptly” red below)

***Liopropoma emanueli* Wirtz & Schliewen 2012**

in honor of Emanuel d’Oliveira (b. 1958), professional diver and diving instructor, “whose knowledge of the marine fauna of Santiago Island [one of the Cape Verde Islands, type locality] has been a great help to the first author during many dives”

***Liopropoma erythraeum* Randall & Taylor 1988**

red, referring to light-red color in life [replacement name for *Pikea rubre* Yoshino & Araga 1975, preoccupied in *Liopropoma* by *L. rubre* Poey 1861]

***Liopropoma eukrines* (Starck & Courtenay 1962)**

Greek for distinct or well separated, a “distinctive” species “distinctly” marked with a dark brown-to-black lateral stripe

***Liopropoma fasciatum* Bussing 1980**

banded, referring to single dark band running tip of snout to margin of caudal fin

***Liopropoma flavidum* Randall & Taylor 1988**

yellow, referring to overall bright-yellow color in life (pale tan in alcohol)

***Liopropoma incandescens* Pinheiro, Shepherd, Greene & Rocha 2019**

glowing, referring to its “vivid yellow to orange incandescent coloration”



Liopropoma incandescens. From: Pinheiro, H. T., B. Shepherd, B. D. Greene and L. A. Rocha. 2019. *Liopropoma incandescens* sp. nov. (Epinephelidae, Liopropominae), a new species of basslet from mesophotic coral ecosystems of Pohnpei, Micronesia. *ZooKeys* No. 863: 97-106.

***Liopropoma incomptum* Randall & Taylor 1988**

unadorned, referring to absence of color markings in preservative

***Liopropoma japonicum* (Döderlein 1883)**

Japanese, described from Tokyo, Japan (occurs in northwestern Pacific from Taiwan to Japan)

***Liopropoma latifasciatum* (Tanaka 1922)**

latus, wide; *fasciatus*, banded, referring to broad, dark-brown band (wider than diameter of eye pupil) extending from tip of snout to base of caudal fin

***Liopropoma lemniscatum* Randall & Taylor 1988**

Greek for “bearing a ribbon,” referring to blackish lateral stripe on pale-red body

***Liopropoma longilepis* Garman 1899**

longus, long; *lepis*, scale, referring to scales on sides “nearly twice as long as wide”

***Liopropoma lunulatum* (Guichenot 1863)**

somewhat moon shaped, referring to small crescent-shaped black spots on body

***Liopropoma maculatum* (Döderlein 1883)**

spotted, referring to brown spots on head, upper sides, and dorsal and caudal fins

***Liopropoma mitratum* Lubbock & Randall 1978**

headband, referring to two distinct mustard-yellow stripes on head

***Liopropoma mowbrayi* Woods & Kanazawa 1951**

in honor of naturalist and aquarium director Louis L. Mowbray (1877-1952), who collected type (on a beach after a storm in Bermuda)

***Liopropoma multilineatum* Randall & Taylor 1988**

multi-, many; *lineatus*, lined, referring to numerous dark-red lines on body

***Liopropoma olneyi* Baldwin & Johnson 2014**

in memory of John E. Olney (1947-2010), ichthyologist and fisheries biologist, Virginia Institute of Marine Science, “beloved friend, colleague, and teacher”

***Liopropoma pallidum* (Fowler 1938)**

pale, presumably referring to pale-red body and/or snout and head “pale or lighter” than body

***Liopropoma randalli* Akhilesh, Bineesh & White 2012**

in honor of John E. Randall (1924-2020), Bishop Museum (Honolulu), for his contributions to the taxonomy of tropical marine fishes and, more specifically, to the taxonomy of *Liopropoma*

***Liopropoma rubre* Poey 1861**

red, referring to crimson (actually yellow-brown) body crossed by five stripes of reddish brown

***Liopropoma santi* Baldwin & Robertson 2014**

in honor of business executive and philanthropist Roger Sant (b. 1931), who participated in the Curasub submersible dive at Playa Forti (Curaçao) during which a paratype was collected; he and his wife Victoria (d. 2018) provided “generous” funding to the Smithsonian Institution’s National Museum of Natural History for ocean-related activities

***Liopropoma susumi* (Jordan & Seale 1906)**

from *Susu umi*, its local name in Samoa, type locality (occurs in Red Sea and Indo-West Pacific from East Africa, Madagascar and Mascarenes east to Samoa and Tonga, north to southern Japan, south to Queensland, Australia, and New Caledonia)

***Liopropoma swalesi* (Fowler & Bean 1930)**

in honor of the late Bradshaw Swales (1875-1928), American ornithologist and lawyer, “in slight appreciation of his general interest in natural history”

***Liopropoma tonstrinum* Randall & Taylor 1988**

from *tonstrina*, Latin for barbershop, referring to red-and-white striped pattern, reminiscent of a barber’s pole

***Rainfordia* McCulloch 1923**

-*ia*, belonging to: Edward Henry Rainford (1853-1938), amateur naturalist and viticulturist, Queensland Agricultural Department, who collected type; his “untiring activities as a collector have greatly enriched the Australian Museum with many rare finds from the coast of Queensland”

***Rainfordia opercularis* McCulloch 1923**

opercular, presumably referring to “attachment of the upper part of the operculum to the shoulder girdle by [a] membrane” and/or operculum (and suboperculum) with nine “strong projecting spines”

Subfamily Diploprioninae Barred Soapfishes

3 genera · 5 species

***Aulacocephalus* Temminck & Schlegel 1843**

aulax, furrow; *cephalus*, head, referring to snout and top of head with “numerous flexuous grooves” (translation)

***Aulacocephalus temminckii* Bleeker 1855**

in honor of Coenraad Jacob Temminck (1778-1858), director of the Rijksmuseum van Natuurlijke Historie (Leiden, Netherlands), who, with Hermann Schlegel (1804-1884), named this genus in 1843 but did not include a species

***Belonoperca* Fowler & Bean 1930**

belone, arrow, referring to its “contour suggestive of an arrowhead”; *perca*, a perch-like fish

***Belonoperca chabanaudi* Fowler & Bean 1930**

in honor of ichthyologist Paul Chabanaud (1876-1959), Muséum national d’histoire naturelle (Paris)

***Belonoperca pylei* Baldwin & Smith 1998**

in honor of Richard L. Pyle (b. 1967), Bishop Museum (Honolulu), “whose diving explorations of deep-reef areas have led to the discovery of many new species of marine life,” including this species

***Diploprion* Cuvier 1828**

diplo-, double or two-fold; *prion*, saw, referring to double-edged preopercle, the outer edge of which is serrate or denticulate

***Diploprion bifasciatus* Cuvier 1828**

bi-, two; *fasciatus*, banded, referring to dark bar through eye and a broad dark band on rear half of body [originally and often incorrectly spelled *bifasciatum*]

***Diploprion drachi* Roux-Estève 1955**

patronym not identified, probably in honor of marine biologist Pierre Drach (1906-1998), on board Jacques Cousteau’s *Calypso*, from which type was collected

Family GRAMMISTIDAE Soapfishes

6 genera · 18 species

***Aporops* Schultz 1943**

a-, not; *poros*, pore; *eye*, referring to absence of large pore in interorbital next to eye, unlike *Rhegma* (= *Pseudogramma*, Epinephelinae)

***Aporops bilinearis* Schultz 1943**

bi-, two; *linearis*, lined, referring to lateral line interrupted under soft dorsal, recommencing a little anteriorly on middorsal line of caudal peduncle, creating the appearance of two lateral lines

***Grammistes* Bloch & Schneider 1801**

lined, referring to six (maximum) white-to-yellow horizontal lines on body of *G. orientalis* (= *sexlineatus*)

***Grammistes sexlineatus* (Thunberg 1792)**

sex, six; *lineatus*, lined, referring to six (maximum) white-to-yellow horizontal lines on body

***Grammistops* Schultz 1953**

ops, appearance, referring to its “relationships” with *Grammistes*

***Grammistops ocellatus* Schultz 1953**

having little eyes, referring to large ocellate black spot on opercle

***Pogonoperca* Günther 1859**

pogon, beard, referring to barbel on lower jaw of *P. ocellata*; *perca*, a perch-like fish

***Pogonoperca ocellata* Günther 1859**

having little eyes, presumably referring to body and fins (except upper portion of spinous dorsal) covered with small, round, yellowish-white spots

***Pogonoperca punctata* (Valenciennes 1830)**

spotted, referring to small white spots on body and fins of adults (larger spots on juveniles)

***Rypticus* Cuvier 1829**

washing, referring to soft skin of *R. saponaceus*, “smeared with a frothy [soapy] viscosity” (translation, hence the name soapfish; the “soap” is a toxic mucus called grammastin that repels predators)

***Rypticus bicolor* Valenciennes 1846**

bi-, two, i.e., two-colored, referring to “beautiful vermilion red” (translation) body with light marblings and black fins (per Valenciennes 1855)

***Rypticus bistrispinus* (Mitchill 1818)**

bis, twice; *tri-*, three; *spinus*, spined, referring to three (sometimes two) spines each on opercle and preopercle

***Rypticus bornoi* Beebe & Tee-Van 1928**

in honor of Louis Borno (1865-1942), President of Haiti (where this species is endemic) during the period of the American occupation (1922-1930), who “did everything to further” the authors’ work

***Rypticus carpenteri* Baldwin & Weigt 2012**

in honor of Michael Carpenter, station manager for the Smithsonian’s research station at Carrie Bow Cay, Belize, for more than 30 years; his “dedication to maintaining this remote station benefited a multitude of marine scientists (and marine science). We thank him for his good-natured support in the field, and the first author is grateful for his enduring friendship.”

***Rypticus courtenayi* McCarthy 1979**

in honor of Walter L. Courtenay, Jr. (1933-2014), ichthyologist and oceanographer, Florida Atlantic University, whose 1967 revision of Atlantic *Rypticus* “laid the foundation” for McCarthy’s study

***Rypticus maculatus* Holbrook 1855**

spotted, referring to scattered irregular whitish spots on back and sides

***Rypticus nigripinnis* Gill 1861**

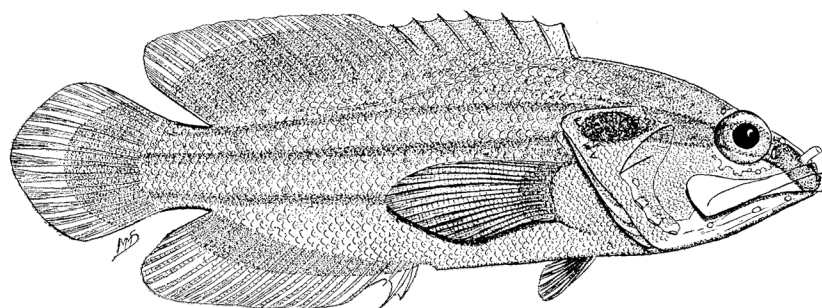
nigri-, black; *pinnis*, fin, referring to black or dusky margin on vertical and pectoral fins

***Rypticus randalli* Courtenay 1967**

in honor of John E. Randall (1924-2020), Bishop Museum (Honolulu), formerly of the Institute of Marine Biology, University of Puerto Rico, who collected type; Randall “has and is contributing much to the knowledge of Pacific and West Indian fishes. His interest, efforts, and considerable sacrifice in collecting specimens for this study are gratefully acknowledged.”

***Rypticus saponaceus* (Bloch & Schneider 1801)**

soapy, description based on the “Jabonsillo” of Parra (1787), who said its body is “covered with a soapy humor



Suttonia suttoni. Illustration by Margret M. Smith (wife of J. L. B. Smith). From: Smith, J. L. B. 1953. The fishes of the family Pseudogrammididae from East Africa. *Annals and Magazine of Natural History* (Series 12) v. 6 (no. 67) (art. 50): 548-560.

that makes it very slippery” (translation, hence the name soapfish; the “soap” is a toxic mucus called gram-mastin that repels predators)

***Rypticus subbifrenatus* Gill 1861**

sub, somewhat; *bi-*, two; *frenatus*, bridled, allusion not explained, perhaps referring to two rows of coalesced spots on head of juveniles

***Suttonia* Smith 1953**

-ia, belonging to: the late R. N. Drummond “Barty” Sutton, who “guided [Smith’s] early steps in science” (he was Smith’s chemistry teacher at Bishops Diocesan College, a boys’ school in Cape Town, South Africa; Smith was chemist before moving on to ichthyology) [presumably a relative of the Sutton of *S. suttoni*; see below]

***Suttonia coccinea* Endo & Kenmotsu 2013**

scarlet, referring to bright-red coloration in life

***Suttonia lineata* Gosline 1960**

lined, referring to prominent mid-dorsal stripe on head

***Suttonia suttoni* Smith 1953**

in honor of Guy E. Drummond Sutton, who “greatly assisted [Smith’s] scientific work” [presumably a relative of the Sutton of *Suttonia*; see above]