

The ETYFish Project

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COMMENTS: 

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Order CARANGIFORMES (part 2 of 4)

Suborder PLEURONECTOIDEI

Family POLYNEMIDAE Threadfins or Tasselfishes

8 genera · 43 species/subspecies

***Eleutheronema* Bleeker 1862**

eleutherus, free; *nema*, thread, referring to free (separate from rest of fin) filamentous rays of pectoral fin

***Eleutheronema rhadinum* (Jordan & Evermann 1902)**

slender or tapering, allusion not explained, perhaps referring to “long and slender” body, “very long and slender” maxillary, and/or “long and slender” caudal peduncle

***Eleutheronema tetradactylum* (Shaw 1804)**

tetra-, four; *dactylos*, finger, referring to four pectoral filaments

***Eleutheronema tridactylum* (Bleeker 1849)**

twi-, three; *dactylos*, finger, referring to three pectoral filaments

***Filimanus* Myers 1936**

fila-, filamentous; *manus*, hand, referring to free (separate from rest of fin) filamentous rays of pectoral fin

***Filimanus heptadactyla* (Cuvier 1829)**

hepta-, seven; *dactylos*, finger, referring to seven pectoral filaments

***Filimanus hexanema* (Cuvier 1829)**

hexa-, six; *nema*, thread, referring to six pectoral filaments

***Filimanus perplexa* Feltes 1991**

confused, referring to “confused state of identification that has existed for this species” (based on a specimen that Myers misidentified as *Polynemus melanochir* in 1936)

***Filimanus sealei* (Jordan & Richardson 1910)**

in honor of ichthyologist Alvin Seale (1871-1958), Stanford University, who described this threadfin in 1907 but used a preoccupied name (*Polydactylus opercularis*, junior secondary homonym of *Trichidion opercularis* Gill 1863)

***Filimanus similis* Feltes 1991**

similar, referring to “considerable similarity” to *F. heptadactyla* and other congeners with shorter pectoral filaments

***Filimanus xanthonema* (Valenciennes 1831)**

xanthus, yellow; *nema*, thread, referring to yellowish pectoral filaments

***Galeoides* Günther 1860**

-oides, having the form of: etymology not explained, perhaps referring to *galeus*, shark, although we see nothing shark-like about it

***Galeoides decadactylus* (Bloch 1795)**

deca-, ten; *nema*, thread, referring to 10 (sometimes 9) pectoral filaments

***Leptomelanosoma* Motomura & Iwatsuki 2001**

leptos, slender; *melanos*, black; *soma*, body, referring to “slender body tinged with black”

***Leptomelanosoma indicum* (Shaw 1804)**

Indian, described from an illustration of a specimen from Vizagapatam, India (widely occurs in Indo-West Pacific)

***Parapolynemus* Feltes 1993**

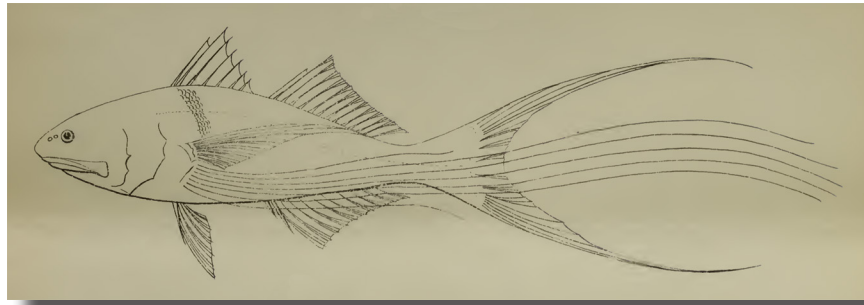
para-, near, referring to similarity to *Polynemus*

***Parapolynemus verekeri* (Saville-Kent 1889)**

in honor of Capt. Foley Charles Prendergast Vereker (1850-1900), British naval officer on HMS *Myrmidon* during a surveying expedition in northwest Australia, for “facilities afforded” the author during collection of this species and others

***Pentanemus* Günther 1860**

penta-, five; *nemus*, thread, referring to five pectoral filaments



Parapolyneus verekeri. From: Saville-Kent, W. 1889. Preliminary observations on a natural history collection made in connection with the Surveying Cruise of H. M. S. "Myrmidon," at Port Darwin and Cambridge Gulf—September to November, 1888. *Proceedings of the Royal Society of Queensland* v. 6 (pt 5): 219-240, Pl. 13.

***Pentanemus quinquarius* (Linnaeus 1758)**

of five, referring to five pectoral filaments

***Polydactylus* Lacepède 1803**

poly, many; *dactylos*, finger, referring to seven pectoral filaments of *P. plumierii* (= *virginicus*)

***Polydactylus approximans* (Lay & Bennett 1839)**

approximated (i.e., close or similar), referring to how its "two dorsal fins are more nearly approximated than is usual" in *Polyneumus* (its presumed genus at the time)

***Polydactylus bifurcus* Motomura, Kimura & Iwatsuki 2001**

bi-, two; *furcatus*, forked, referring to bifurcated lateral line on caudal-fin base, extending to posterior margins on upper and lower caudal-fin lobes

***Polydactylus longipes* Motomura, Okamoto & Iwatsuki 2001**

longus, long; *pes*, foot, referring to upper two pectoral filaments extending beyond midpoint of caudal peduncle

***Polydactylus luparensis* Lim, Motomura & Gambang 2010**

-ensis, suffix denoting place: mouth of Batang Lupar River, Sarawak, Malaysia, type locality

***Polydactylus macrochir* (Günther 1867)**

macro-, long; *cheiros*, hand, presumably referring to pectoral fin "nearly as long as the head"

***Polydactylus macrophthalmus* (Bleeker 1858)**

macro-, large; *ophthalmos*, eye, referring to its rather large eyes, larger than its presumed closest relative, *Polyneumus dubius*

***Polydactylus malagasyensis* Motomura & Iwatsuki 2001**

-ensis, suffix denoting place: Malagasy, old name for Madagascar, type locality (occurs along South and East Africa in western Indian Ocean)

***Polydactylus microstoma* (Bleeker 1851)**

micro-, small; *stoma*, mouthed, allusion not explained nor evident (mouth is rather large, reaching beyond eye)

***Polydactylus mullani* (Hora 1926)**

in honor of entomologist Jai Phirozshah Mullan (d. 1957), St. Xavier's College (Bombay, India), who discovered this species and sent specimens to Hora for study

***Polydactylus multiradiatus* (Günther 1860)**

multi-, many; *radiatus*, rayed, allusion not explained, perhaps referring to more anal-fin rays (17) compared to most other presumed congeners in *Polyneumus* (11-16, with one species having 16-17 rays)

***Polydactylus nigripinnis* Munro 1964**

nigri-, black; *pinnis*, fin, referring to "intensely black" pectoral fins (except for uppermost ray and free filaments)

***Polydactylus octonemus* (Girard 1858)**

octo-, eight; *nemus*, thread, referring to eight pectoral filaments

***Polydactylus oligodon* (Günther 1860)**

oligos, few; *odon*, tooth, allusion not explained, presumably referring to "narrow bands" of "minute and villiform" teeth

***Polydactylus opercularis* (Gill 1863)**

opercular, allusion not explained, probably referring to dusky blotch on operculum (also seen on most congeners)

- Polydactylus persicus* Motomura & Iwatsuki 2001**
Persian, referring to Persian Gulf, where it is endemic
- Polydactylus plebeius* (Broussonet 1782)**
commonplace, allusion unexplained, perhaps referring to its abundance in the near-shore waters of Tahiti
- Polydactylus quadrifilis* (Cuvier 1829)**
quadri-, four; *filum*, thread, referring to four pectoral filaments
- Polydactylus sexfilis* (Valenciennes 1831)**
sex, six; *filum*, thread, referring to six pectoral filaments
- Polydactylus sextarius* (Bloch & Schneider 1801)**
of six, referring to six pectoral filaments
- Polydactylus siamensis* Motomura, Iwatsuki & Yoshino 2001**
-ensis, suffix denoting place: Siam, old name for Thailand, referring to type locality (a fish market in Bangkok, but occurs in Indo-Pacific from Andaman Sea to Gulf of Thailand)
- Polydactylus virginicus* (Linnaeus 1758)**
-icus, belonging to: presumably Virginia, USA (Linnaeus described habitat as “America,” but species only occurs as far north as North Carolina)
- Polynemus* Linnaeus 1758**
poly, many; *nemus*, thread, referring to multiple pectoral filaments of *P. paradiseus* (7) and its presumed congeners at the time, *Pentanemus quinquarius* (5) and *Polydactylus virginicus* (7)
- Polynemus aquilonaris* Motomura 2003**
northern, referring to its northern distribution (Indochina) compared to that of a related species, *P. dubius* (Malaysia and Indonesia)
- Polynemus bidentatus* Motomura & Tsukawaki 2006**
bi-, two; *dentatus*, *toothed*, referring two tooth patches of teeth on vomer (vs. one patch in congeners)
- Polynemus dubius* Bleeker 1853**
doubtful or uncertain, allusion not explained, perhaps reflecting Bleeker’s changing his mind about the uniqueness of this species, which he initially thought was the same as *Polynemus longifilis* Cuvier 1829 (= *P. paradiseus*)
- Polynemus hornadayi* Myers 1936**
in honor of William Temple Hornaday (1854-1937), who collected type in 1877 while collecting natural history specimens for a scientific supply company
- Polynemus kapuasensis* Motomura & van Oijen 2003**
-ensis, suffix denoting place: Kapuas River basin, Kalimantan, Indonesia, only known area of occurrence
- Polynemus melanochir melanochir* Valenciennes 1831**
melanos, black; *cheiros*, hand, referring to “very black” (translation) pectoral fins
- Polynemus melanochir dulcis* Motomura & Sabaj Pérez 2002**
freshwater, known only from Lake Tonle Sap, Cambodia
- Polynemus multifilis* Temminck & Schlegel 1843**
multi-, many; *filum*, thread, referring to 14 (but ranging from 13-16) pectoral filaments
- Polynemus paradiseus* Linnaeus 1758**
etymology not explained, perhaps referring to extremely long pectoral filaments, reminiscent of the elongate feathers of birds-of-paradise, *Paradisaea*, a genus that also dates to Linnaeus 1758

Family PSETTODIDAE Spiny Turbots

- Psettodes* Bennett 1831**
-oides, having the form of: allusion not explained, perhaps *psetta*, Greek for flatfish, i.e., like other flatfishes but with spines in dorsal and anal fins
- Psettodes belcheri* Bennett 1831**
in honor of Edward Belcher (1799-1877), British naval officer, hydrographer and explorer, who presented type to the Zoological Society of London
- Psettodes bennettii* Steindachner 1870**
in honor of zoologist Edward Turner Bennett (1797-1836), who proposed the genus in 1831
- Psettodes erumei* (Bloch & Schneider 1801)**
from *Erumie naku*, local name for this fish in Tharangambadi, India, type locality (but widely occurs in Indo-West Pacific, Persian Gulf and Red Sea)

Family CITHARIDAE Largescale Flounders

5 genera · 6 species

***Citharoides* Hubbs 1915**

-*oides*, having the form of: *Citharus*, a closely related genus from Europe

***Citharoides macrolepidotus* Hubbs 1915**

macro-, long or large; *lepidotus*, scaled, referring to “very large, weakly ctenoid” scales, 40 along lateral line

***Citharoides orbitalis* Hoshino 2000**

of the orbit, referring to longer orbit compared to *C. macrolepidotus*

***Citharus* Artedi 1793**

harp, lyre or lute, a name dating to Pliny (“citharus, the least esteemed of all the turbots”), possibly referring to vaguely lyre-like shape of this or related species [authorship sometimes attributed to Röse, who reprinted Artedi’s 1738 publication]

***Citharus linguatula* (Linnaeus 1758)**

of the tongue, name dating to Belon (1553) and Willughby (1686), presumably referring to its round and long tongue

***Laiopteryx* Weber 1913**

laios, left; *pteryx*, fin, allusion not explained, probably referring to dorsal fin commencing on left (blind) side of body [replacement name for *Brachypleura* Günther 1862, preoccupied by *Brachypleura* Angelin 1854 in trilobites]

***Laiopteryx novaezeelandiae* (Günther 1862)**

of New Zealand, type locality (although not currently known to occur there; occurs in Indo-West Pacific from Maldives east to Philippines, north to northern Viet Nâm and southern China)

***Lepidoblepharon* Weber 1913**

lepidus, scaled; *blepharon*, eyelid, referring to upper parts of eye covered with scales

***Lepidoblepharon ophthalmolepis* Weber 1913**

ophthalmos, eye; *lepis*, scale, referring to upper parts of eye covered with scales

***Paracitharus* Regan 1920**

para-, near, presumably referring to similarity to and/or close relationship with *Citharus* [often treated as a junior synonym of *Citharoides*]

***Paracitharus macrolepis* (Gilchrist 1904)**

macro-, long or large; *lepis*, scale, presumably referring to their size, 47 along lateral line)

Family SCOPHTHALMIDAE Turbots

3 genera · 9 species

***Lepidorhombus* Günther 1862**

proposed as a scaled (*lepid-*) subgenus of *Rhombus* (= *Scophthalmus*), referring to ciliated scales of *Rhombus megastoma* (= *Lepidorhombus whiffiagonis*)

***Lepidorhombus boscii* (Risso 1810)**

in honor of the “modest” (translation) French naturalist Louis-Augustin Bosc d’Antic (1759-1828)

***Lepidorhombus whiffiagonis* (Walbaum 1792)**

-*is*, genitive singular of: *iago*, latinization of *jago*, referring to Rev. George Jago (d. 1726), minister of Looe in Cornwall, England; he researched and illustrated Cornish fishes wherein he noted that the local name for this species is whiff (literally, “Jago’s whiff”)

***Scophthalmus* Rafinesque 1810**

etymology not explained, perhaps *scop[us]*, watcher and *ophthalmus*, eye, referring to upwardly pointed eyes of adult *S. rhombus* (and of all adult flatfishes in general)

***Scophthalmus aquosus* (Mitchill 1815)**

watery, referring to its pellucid or semi-transparent body, for which it is sometimes called the “watery flounder”

***Scophthalmus maeoticus* (Pallas 1814)**

-*ica*, belonging to: Maeotis, ancient name for Sea of Azov, type locality (also occurs in Black Sea)

***Scophthalmus maximus* (Linnaeus 1758)**

largest, presumably referring to its size (type specimen is 190 cm SL and 240 cm TL, which is far smaller than the largest flatfish, *Hippoglossus hippoglossus*, which can reach 470 cm TL)

***Scophthalmus rhombus* (Linnaeus 1758)**

diamond-shaped, presumably referring to shape of body

Zeugopterus Gottsche 1835

zeugos, pair or team; *pterus*, fin, referring to ventral fins united with anal fin

Zeugopterus norvegicus (Günther 1862)

Norwegian, referring to type locality off west coast of Norway

Zeugopterus punctatus (Bloch 1787)

spotted, referring to dark spots or round blotches on brownish body

Zeugopterus regius (Bonnaterre 1788)

royal, based on “Le Calimande Royale” of Duhamel (1781), who said this fish “would be esteemed, both for its beauty and its good taste, if it were larger and less rare” (*calimande* is a French word for sole or plaice, derived from *limanda*, old name for the pleuronectid *Limanda limanda*, which may be derived from the French *lime* and/or the Latin *lima*, meaning file [tool used to smooth metal], referring to rough ctenoid scales on eyed side; another explanation is that name is derived from the Latin *limus*, meaning mud)

Family BOTHIDAE Lefteye Flounders

20 genera · 168 species

Arnoglossus Bleeker 1862

tautonymous with *Pleuronectes arnoglossus* (= *laterna*): *arnos*, lamb and *glossa*, tongue, i.e., lamb’s tongue, the name of a plant (Broadleaf Plantain, *Plantago major*) with smooth leaves, which Rondelet (1554) reapplied to a Mediterranean flatfish with a smooth body, presumed by Willughby (1686) and Ray (1713) to be the same species known by fishermen in Cornwall, England, as the “Lantern” (see *A. laterna*)

Arnoglossus andrewsi Kurth 1954

in honor of Ernest E. Andrews, Chief Inspector of Fisheries for Tasmania, who “whilst examining material brought up in the dredges noticed a small flat fish of unusual appearance which he preserved and sent to the author for identification”

Arnoglossus arabicus Norman 1939

Arabian, described from the “South Arabian Coast” (occurs in southern Red Sea and in Indian Ocean from Gulf of Aden to southern Oman)

Arnoglossus armstrongi Scott 1975

in honor of Philip Armstrong (no other information available), who collected type

Arnoglossus aspilos (Bleeker 1851)

unspotted or spotless, referring to unspotted fins and eyed side of body

Arnoglossus bassensis Norman 1926

-*ensis*, suffix denoting place: Bass Strait, Australia, type locality

Arnoglossus blachei Stauch 1965

in honor of French ichthyologist Jacques Blache (1922–1994), friend, Research Director of O.R.S.T.O.M. (Office de la Recherche Scientifique et Technique d’Outre-Mer), and ichthyologist at Centre d’océanographie de Pointe Noire

Arnoglossus brunneus (Fowler 1934)

brown, referring to nearly uniform brown color of eyed side of body

Arnoglossus capensis Boulenger 1898

-*ensis*, suffix denoting place: False Bay, Cape Colony (or Cape of Good Hope), South Africa, type locality

Arnoglossus coeruleosticta (Steindachner 1898)

coerulea, blue; *sticta*, spotted or speckled, referring to numerous small, usually dot-shaped blue speckles on head and trunk of eyed side of body, between much larger dark-brown blotches

Arnoglossus dalgleishi (von Bonde 1922)

patronym not identified but certainly in honor of Lieut. James Dalgleish (1891-?), captain of the survey ship *Pickle*, from which type was collected

Arnoglossus debilis (Gilbert 1905)

weak, presumably referring to “slender, thin, and fragile [body], semitransparent, with deciduous smooth scales, and fragile fin rays”

Arnoglossus elongatus Weber 1913

elongate, referring to low body height compared to *Psettina profunda*, described in same publication and presumed congener at the time

Arnoglossus fisoni Ogilby 1898

in honor of Ogilby’s friend Cecil S. Fison (1840-1899), Inspector of Fisheries for Queensland (Australia), from whom he “received much kindness and useful information” during a recent trip to Brisbane

***Arnoglossus grohmanni* (Bonaparte 1837)**

in honor of Francesco (Franz) Grohmann, Austrian collector of natural history specimens, who supplied holotype and many other “beautiful objects” (translation)

***Arnoglossus imperialis* (Rafinesque 1810)**

of the empire or emperor (i.e., majestic), referring to *Tappa Impiriali* and *Linguata Impiriali*, its common names in Sicily, presumably referring to what Rafinesque described as its edibility, “even better than *Linguata* [sole] for eating” (translation)

***Arnoglossus japonicus* Hubbs 1915**

Japanese, referring to Vincennes Strait, south of Kiusiu, Japan, type locality (occurs in western Pacific from southern Japan to northern Australia)

***Arnoglossus kotthausi* Klausewitz & Schneider 1986**

in honor of German ichthyologist Adolf Kotthaus, who described this flatfish in 1977 but used a preoccupied name

***Arnoglossus laterna* (Walbaum 1792)**

latinization of Lantern, local name for this flatfish used by fishermen in Cornwall, England, referring (per Borlase, *Natural History of Cornwall*, 1758) to its transparent skin

***Arnoglossus macrolophus* Alcock 1889**

macro-, long or large; *lophus*, crest, referring to first six dorsal-fin rays of males, which are prolonged, forming a plume-like crest

***Arnoglossus marisrubri* Klausewitz & Schneider 1986**

maris, sea; *rubrus*, red, referring to the Red Sea, where it is endemic

***Arnoglossus micrommatus* Amaoka, Arai & Gomon 1997**

micro-, small; *ommatus*, eyed, referring to its smaller eyes relative to body size compared to congeners

***Arnoglossus muelleri* (Klunzinger 1872)**

in honor of physician, geographer and botanist Ferdinand von Mueller (1825-1896), who donated his extensive collection of Australian plant and animal specimens, including type of this species, to what is now the Staatliches Museum für Naturkunde in Stuttgart (Baden-Württemberg, Germany)

***Arnoglossus multirastris* Parin 1983**

multi-, many; *rastris*, raker, referring to more gill rakers (29-34, including 8-10 on upper limb) compared to congeners

***Arnoglossus nigrifrons* Amaoka & Mihara 2000**

nigri-, black; *frons*, forehead, referring to darkened areas on head and anterior dorsal-fin rays

***Arnoglossus nigrofilamentosus* Fricke, Golani & Appelbaum-Golani 2017**

nigro-, black; *filamentosus*, filamentous, referring to black filamentous anterior dorsal-fin rays

***Arnoglossus oxyrhynchus* Amaoka 1969**

oxys, sharp; *rhynchus*, snout, referring to “sharp and rather long” snout

***Arnoglossus polyspilus* (Günther 1880)**

poly, many; *spilos*, mark or spot, referring to “some small black spots regularly disposed, but not constantly present” on otherwise transparent eyed side of body, forming a “series of three or four near the dorsal and ventral outlines,” another along lateral line, a pair of spots on basal portion of caudal fin, and similar but larger spots along dorsal and anal fins

***Arnoglossus rueppelii* (Cocco 1844)**

in honor of explorer-naturalist Eduard Rüppell (1794-1884), Cocco’s “excellent friend” (translation), then famous for his travels on the Nile and in Ethiopia

***Arnoglossus sayaensis* Amaoka & Imamura 1990**

-ensis, suffix denoting place: Saya de Malha Bank, western Indian Ocean, type locality (also occurs off Madagascar)

***Arnoglossus scapha* (Forster 1801)**

etymology not explained, perhaps *scapha*, light boat or skiff, or *scapho-*, scoop or shovel, in either case allusion not evident

***Arnoglossus septemventralis* Amaoka & Mihara 2000**

septem, seven; *ventralis*, ventral, referring to seven pelvic (or ventral) fin rays, the “most important diagnostic character of this species”

***Arnoglossus tapeinosoma* (Bleeker 1865)**

tapeinos, lowly; *soma*, body, allusion not explained, perhaps meaning drab (as reflected in the common name Drab Flounder), referring to green body color (on eyed side) in alcohol, the “described specimen having lost its body color” (translation)

***Arnoglossus tenuis* Günther 1880**

thin, presumably referring to its scales, “very thin and deciduous”

***Arnoglossus thori* Kyle 1913**

in honor of *Thor*, the first Danish research ship specially equipped for scientific work on the oceans; it investigated Mediterranean and neighboring waters, during which type was collected

***Arnoglossus waitei* Norman 1926**

in honor of Australian zoologist and museum director Edgar R. Waite (1866-1928), for supplying Norman with South Australian specimens, and for “generously placing in [Norman’s] hands” his notes on flatfishes

***Arnoglossus yamanakai* Fukui, Yamada & Ozawa 1988**

in honor of Kan’ichi Yamanaka, former captain of the research vessel *Yoko-maru*, for facilities and collecting specimens

***Asterorhombus* Tanaka 1915**

aster, star, allusion not explained, clearly reflecting type species, *A. stellifer* (i.e., star-bearer, now a junior synonym of *A. intermedius*), perhaps referring to palmate rakers (a key diagnostic character), which could be said to be vaguely star-shaped; *rhombus*, perhaps referring to *Pseudorhombus* (Paralichthyidae), which Tanaka regarded as a similar genus

***Asterorhombus cocosensis* (Bleeker 1855)**

-*ensis*, suffix denoting place: Cocos (Keeling) Islands, Indian Ocean, type locality

***Asterorhombus filifer* Hensley & Randall 2003**

filum, filament; *fero*, to bear, referring to long first dorsal-fin ray, especially as it appears in small specimens and when membrane is folded around the ray

***Asterorhombus intermedius* (Bleeker 1865)**

intermediate, allusion not explained, perhaps referring to how this species, which Bleeker provisionally placed in *Arnoglossus*, a subgenus of *Platophrys* (= *Bothus*), is intermediate in form between the two nominal subgenera or between *Platophrys* and the similar *Pseudorhombus*

***Bothus* Rafinesque 1810**

according to Rafinesque, name for flatfishes dating back to Aristotle, but name does not appear in any of Aristotle’s known works; however, from 1200 on, the roots *bot*, *both* and *bott* appear in several European languages indicating flatfishes

***Bothus assimilis* (Günther 1862)**

similar, allusion not explained, perhaps referring to its similarity to and/or close relationship with Chinese congeners then placed in *Rhomboidichthys* (= *Bothus*)

***Bothus constellatus* (Jordan 1889)**

with star-like spots, referring to “numerous stellate white spots” on eyed side of body

***Bothus ellipticus* (Poey 1860)**

elliptical, referring to body shape, forming a “regular oval, somewhat elongated” (translation)

***Bothus guibei* Stauch 1966**

in honor of herpetologist Jean Marius René Guibé (1910-1999), chair of reptiles and fishes, Muséum national d’Histoire naturelle (Paris), who has always welcomed Stauch during his holidays in France, putting at his disposal the museum’s equipment and library

***Bothus leopardinus* (Günther 1862)**

leopard-like, presumably referring to “numerous ocellated spots” on eyed side

***Bothus lunatus* (Linnaeus 1758)**

lunate, presumably referring to small crescent-shaped spots on eyed side

***Bothus maculiferus* (Poey 1860)**

macula, spot; *fero*, to bear, referring to whitish round spots bordered with black and/or dark blotch on lateral line on eyed side

***Bothus mancus* (Broussonet 1782)**

maimed or crippled, referring to atrophied pectoral fin on blind side

***Bothus mellissi* Norman 1931**

in honor of John Charles Melliss (1835-1911), amateur naturalist and government surveyor on St. Helena (island in the South Atlantic, type locality), who wrote about this flatfish but did not name it in 1875

***Bothus myriaster* (Temminck & Schlegel 1846)**

myrio-, numberless; *aster*, star, presumably referring to eyed side covered with small round blue and yellowish spots

***Bothus ocellatus* (Agassiz 1831)**

with eye-like spots, referring to irregular pale rings or rosettes, some of which are dark-edged, on eyed side

***Bothus pantherinus* (Rüppell 1830)**

like a panther, referring to “fairly regular maroon spots” (translation) on eyed side (color of spots is highly variable)

***Bothus podas* (Delaroche 1809)**

local name for this flatfish along the Mediterranean coast and islands of Spain, meaning unknown, perhaps derived from *pedis*, foot, Latin equivalent of the Greek *solea*, sole or sandal, applied to some flatfishes for their resemblance to a flat shoe

***Bothus robinsi* Topp & Hoff 1972**

patronym not identified but almost certainly in honor of ichthyologist C. Richard Robins (1928-2020), University of Miami (name coined by one of Robins’ students, Thelma Jutare, in an unpublished master’s thesis)

***Bothus swio* Hensley 1997**

acronym for southwestern Indian Ocean, where it occurs

***Bothus thompsoni* (Fowler 1923)**

in honor of John W. Thompson, artist and modeler at the Bishop Museum (Honolulu, Hawai‘i), who obtained holotype

***Chascanopsetta* Alcock 1894**

chaskanon, a mask with a gaping or wide-open mouth, referring to “very wide” mouth of *C. lugubris*; *psetta*, Greek for flatfish

***Chascanopsetta crumenalis* (Gilbert & Cramer 1897)**

-*alis*, adjectival suffix: *crumena*, purse or leather money bag, referring to distinct gular pouch formed by mandibular membrane

***Chascanopsetta danae* Bruun 1937**

in honor of the Danish fishery research vessel *Dana*, from which type was collected

***Chascanopsetta elski* Foroshchuk 1991**

named for the research vessel *El’sk*, from which type was collected

***Chascanopsetta kenyaensis* Hensley & Smale 1998**

-*ensis*, suffix denoting place: off coast of Kenya, type locality (also occurs off Somalia)

***Chascanopsetta lugubris* Alcock 1894**

mournful or dark, presumably referring to “dull dusky brown” color, the “peritoneum showing through as a black patch,” with black iris and fins black and “dusky brown” tongue

***Chascanopsetta megagnatha* Amaoka & Parin 1990**

mega-, large; *gnatha*, jawed, referring to lower jaw much longer than head, projecting anterior to upper-jaw symphysis, and with a well-developed gular pouch

***Chascanopsetta micrognatha* Amaoka & Yamamoto 1984**

micro-, small; *gnatha*, jawed, referring to short maxillary, not extending beyond posterior margin of lower eye

***Chascanopsetta novaeguineae* Tongboonkua, Lee & Chen 2018**

-*ensis*, suffix denoting place: Papua New Guinea, where it appears to be endemic

***Chascanopsetta prognatha* Norman 1939**

pro-, in front of; *gnathus*, jaw, referring to protruding lower jaw, about 1/5 of which projects beyond upper jaw

***Chascanopsetta prorigera* Gilbert 1905**

prora, prow or bow of a ship; *-iger*, to bear, presumably referring to “dentigerous portion” of lower jaw “protruding beyond snout”

***Crossorhombus* Regan 1920**

crosso, fringe, referring to strongly ciliated scales on eyed side of *C. dimorphus* (= *valderostratus*); *Rhombus* (= *Scophthalmus*, Scophthalmidae), presumed related genus with ciliated scales on both sides of body

***Crossorhombus azureus* (Alcock 1889)**

latinization of the French *l’azure* (blue), referring to 10-11 “small brilliant azure spots” arranged in two rows on snout and in front of interorbital space on males

***Crossorhombus howensis* Hensley & Randall 1993**

-*ensis*, suffix denoting place: Lord Howe Island, type locality (also occurs off Taiwan)

***Crossorhombus kanekonis* (Tanaka 1918)**

-*is*, genitive suffix: in honor of Ichiro Kaneko, who provided Tanaka with fishes from Nagasaki, Japan, including holotype of this one

***Crossorhombus kobensis* (Jordan & Starks 1906)**

-*ensis*, suffix denoting place: Kobe, Japan, type locality

***Crossorhombus valderostratus* (Alcock 1890)**

valde, exceedingly; *rostratus*, beaked, referring to “abruptly prominent” snout

***Engyophrys* Jordan & Bollman 1890**

engys, near; *ophrys*, eyebrow, referring to very narrow interorbital space of *E. sanctilaurentii* (i.e., eyes are close together)

***Engyophrys sanctilaurentii* Jordan & Bollman 1890**

of St. Lawrence (225-258), one of the seven deacons of Rome, Italy, under Pope Sixtus II, who was burned to death on a gridiron by Roman Emperor Valerian for defending the Christian faith; name refers to gridiron-like markings on this flounder’s blind side

***Engyophrys senta* Ginsburg 1933**

thorny, presumably referring to having four spines on interorbital, compared to just one spine on *E. sanctilaurentii* and/or “well-developed spinous processes” on ocular shelves compared to “mere protuberances” in the older species

***Engyprosopon* Günther 1862**

engys, near; *prosopon*, face or front, proposed as a subgenus of *Rhomboidichthys* (= *Bothus*) with a narrow interorbital space

***Engyprosopon annulatum* (Weber 1913)**

ringed, presumably referring to numerous bright, dark-rimmed roundish spots on eyed side of body

***Engyprosopon arenicola* Jordan & Evermann 1903**

arena, sand; *colere*, to inhabit, allusion not explained, presumably referring to sandy substrate habitat in shallow water of surf zone

***Engyprosopon bellonaense* Amaoka, Mihara & Rivaton 1993**

-ensis, suffix denoting place: Bellona Plateau, west of New Caledonia, type locality

***Engyprosopon bleekeri* (Macleay 1881)**

in honor of Dutch medical doctor and ichthyologist Pieter Bleeker (1819-1878), who proposed *Arnoglossus* (original genus) in 1862

***Engyprosopon brevifrontale* Amaoka & Ho 2018**

brevis, short; *frontalis*, pertaining to front or forehead, presumably referring to smaller head compared to two similar congeners, *E. xenandrus* and *E. vanuatsuense*

***Engyprosopon filimanus* (Regan 1908)**

fila-, filamentous; *manus*, hand, referring to elongate upper ray of pectoral fin (longer than head) on eyed side of male

***Engyprosopon filipennis* Wu & Tang 1935**

fila-, filamentous; *pennis*, fin, referring to 2-3 elongate rays of pectoral fin on eyed side

***Engyprosopon grandisquama* (Temminck & Schlegel 1846)**

grand, large; *squama*, scaled, referring to larger scales (their diameter nearly half diameter of its eyes) compared to *Pseudorhombus cinnamomeus* (Paralichthyidae), its presumed congener at the time

***Engyprosopon hawaiiense* Jordan & Evermann 1903**

-ensis, suffix denoting place: Hawaiian Islands, where it is endemic

***Engyprosopon hensleyi* Amaoka & Imamura 1990**

in honor of the flatfish systematist Dannie Alan Hensley (1944-2008), “who resembles this species in having a slim body”

***Engyprosopon hureaui* Quéro & Golani 1990**

in honor of ichthyologist Jean-Claude Hureau (b. 1935), Muséum national d’Histoire naturelle (Paris)

***Engyprosopon keliaoense* Amaoka & Ho 2022**

-ensis, suffix denoting place: Ke Liao, Chinese for oyster hut, referring to type locality, a small village in southwestern Taiwan where residents have fished and raised oysters for 100 years

***Engyprosopon kushimotoense* Amaoka, Kaga & Misaki 2008**

-ensis, suffix denoting place: Kushimoto, Wakayama Prefecture (washed ashore by typhoon), Kii Peninsula, Japan, type locality

***Engyprosopon latifrons* (Regan 1908)**

latus, wide; *frons*, forehead, referring to broader interorbital space (of males) compared to congeners described in same publication (*filimanus*, *macrolepis*, *maldivense*, *sechellense*)

***Engyprosopon longipelvis* Amaoka 1969**

longus, long; *pelvis*, pelvic, referring to “exceedingly long” pelvic (or ventral) fin of males

***Engyprosopon longipterum* Amaoka, Mihara & Rivaton 1993**

longus, long; *pterum*, finned, referring to greatly prolonged pectoral fin on eyed side

***Engyprosopon macrolepis* (Regan 1908)**

macro-, large; *lepis*, scale, referring to moderately large scales (40 along lateral line), a feature of the genus

***Engyprosopon maldivense* (Regan 1908)**

-ensis, suffix denoting place: Maldives, Indian Ocean, type locality (occurs in Red Sea and in Indo-West Pacific from Madagascar and Maldives east to Philippines, north to Japan, south to Western Australia and Chesterfield Islands of New Caledonia)

***Engyprosopon marquisense* Amaoka & Séret 2005**

-ensis, suffix denoting place: off Hiva Oa, Marquesas Islands (French Polynesia), type locality

***Engyprosopon mogkii* (Bleeker 1854)**

in honor of C. W. F. Mogk, military health officer in the Dutch East Indies, who discovered this species

***Engyprosopon mozambiquense* Hensley 2003**

-ensis, suffix denoting place: Mozambique, type locality (occurs in Coral Sea, in Indo-West Pacific off Taiwan and Philippines, and Indian Ocean off Mozambique, northern Madagascar, India, Myanmar, Nicobar and Cocos Islands)

***Engyprosopon multisquama* Amaoka 1963**

multi-, many; *squama*, scaled, presumably referring to more scales along lateral line (45-50) compared to the similar *E. grandisquama* (37-43)

***Engyprosopon natalense* Regan 1920**

-ensis, suffix denoting place: off mouth of Amatikulu River, KwaZulu-Natal, South Africa, type locality

***Engyprosopon obliquiocolatum* (Fowler 1934)**

obliquus, oblique; *oculatus*, eyed, referring to lower eye far in advance of upper eye in large specimens

***Engyprosopon osculus* (Amaoka & Arai 1998)**

diminutive of *os*, mouth, i.e., little mouth, referring to very small mouth, maxillary scarcely extending to below anterior margin of lower eye

***Engyprosopon parvipectorale* Amaoka & Ho 2018**

parvus, small; *pectoralis*, pectoral, referring to “distinctly short” pectoral fin on eyed side

***Engyprosopon praeteritus* (Whitley 1950)**

gone by or past, allusion not explained nor evident; proposed as a subspecies of *Arnoglossus aspilos* with “lower eye more in advance of upper,” so perhaps referring to placement of eyes (actually, there is overlap in the placement of the eyes, but the interorbital of the lower eye is wider, which makes it appear more in advance; D. Hoese, pers. comm.)

***Engyprosopon raoulense* Amaoka & Mihara 1995**

-ensis, suffix denoting place: Raoul Island, Kermadec Island group, New Zealand, type locality (also occurs off Norfolk Island)

***Engyprosopon regani* Hensley & Suzumoto 1990**

in honor of ichthyologist Charles Tate Regan (1878-1943), Natural History Museum (London), for his contributions to the systematics of flatfishes

***Engyprosopon rostratum* Amaoka, Mihara & Rivaton 1993**

beaked, referring to its “distinctly protruded” snout

***Engyprosopon sechellense* (Regan 1908)**

-ensis, suffix denoting place: Seychelles, Indian Ocean, type locality

***Engyprosopon septempes* Amaoka, Mihara & Rivaton 1993**

septem, seven; *pes*, foot, referring to seven rays in pelvic fin on eyed side

***Engyprosopon vanuatuense* Amaoka & Séret 2005**

-ensis, suffix denoting place: off Vanuatu Island, southwestern Pacific, only known area of occurrence

***Engyprosopon xenandrus* Gilbert 1905**

xenos, strange or foreign (i.e., different); *andros*, male, allusion not explained, perhaps referring to semi-circular fringed membrane on eyes of male (absent in females)

***Engyprosopon xystrias* Hubbs 1915**

xyster, raker, referring to more gill rakers compared to *E. grandisquama* and *E. (now Crossorbombus) kobensis*, also known from Japan

***Grammatobothus* Norman 1926**

grammatos, lined, referring to well-developed lateral line on both sides of body; *bothus*, a bothid flatfish

***Grammatobothus krempfi* Chabanaud 1929**

in honor of marine biologist Armand Krempf (1879-?), who collected type (and as a token of his friendship with Chabanaud)

Grammatobothus pennatus (Ogilby 1913)

feathered, referring to expanded and pinniform (feather-like) third ray of dorsal fin

Grammatobothus polyophthalmus (Bleeker 1865)

poly, many; *ophthalmus*, eye, referring to three large, conspicuous black blotches or eyespots forming a triangle on eyed side, and smaller eyespots forming parallel rows along dorsal and ventral profiles also on eyed side

Japonolaeops Amaoka 1969

Japan, referring to Miya, Aichi Prefecture, Japan, type locality of *J. dentatus* (= *gracilis*); *Laeops*, “closely allied” to this genus in general physiognomy

Japonolaeops gracilis (Fowler 1934)

slender, presumably referring to slender, moderately elongate body

Kamoharaia Kuronuma 1940

-ia, belonging to: ichthyologist Toshiji Kamohara (1901-1972), Kochi Higher School (Kochi, Japan, and later Kochi University), who described *K. megastoma* in 1936

Kamoharaia megastoma (Kamohara 1936)

mega-, large; *stoma*, mouth, referring to its extremely large mouth, maxillary longer than head

Laeops Günther 1880

laios, left; *ops*, eye, referring to eyes on left side of body

Laeops clarus Fowler 1934

clear, referring nearly transparent interradiation areas

Laeops guentheri Alcock 1890

in honor of ichthyologist-herpetologist Albert Günther (1830-1914), who proposed the genus in 1880

Laeops lanceolata Franz 1910

lance-like, allusion not explained, perhaps referring to how end of body tapers to a lance- or lancet-like point

Laeops macrophthalmus (Alcock 1889)

macro-, large; *ophthalmus*, eye, referring to its large eyes, their diameter $3\frac{7}{8}$ in length of head

Laeops natalensis Norman 1931

-ensis, suffix denoting place: coast of KwaZulu-Natal, South Africa, type locality

Laeops nigrescens Lloyd 1907

blackish, referring to eyed side of body, “dark sepia, with irregular patches of a darker sooty tone, fins nearly black”

Laeops nigromaculatus von Bonde 1922

nigro-, black; *maculatus*, spotted, referring to series of black spots scattered irregularly over body

Laeops parviceps Günther 1880

parvus, small; *ceps*, head, referring to small head, its length $5\frac{1}{3}$ times in length of body

Laeops pectoralis (von Bonde 1922)

pectoral, referring to very long pectoral fin on eyed side, four times longer than on blind side

Lophonectes Günther 1880

lophus, crest, presumably referring to produced anterior rays of dorsal fin (beginning above nostrils) of *L. gallus*; *nectes*, swimmer, possibly an abridgement of *Pleuronectes* (Pleuronectidae), the first proposed genus of flatfishes

Lophonectes gallus Günther 1880

chicken-cock, allusion not explained, probably referring to produced anterior rays of dorsal fin (beginning above nostrils), reminiscent of a rooster’s comb

Lophonectes mongonuiensis (Regan 1914)

-ensis, suffix denoting place: presumably referring to Mangonui, a fishing village near North Cape, New Zealand (Regan identified type locality only as “Cape North”)

Monolene Goode 1880

mono-, one; *olene*, arm, referring to absence of pectoral fin on blind side

Monolene antillarum Norman 1933

of the Antilles, referring to type locality south of Tortugas Islands, West Indies

Monolene asaetae Clark 1936

in honor of Toshio Asaeta, the “clever and accomplished artist” of expedition during which type was collected [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]

Monolene atrimana Goode & Bean 1886

atri-, black; *manus*, hand, referring to black pectoral fin on eyed side

***Monolene danae* Bruun 1937**

in honor of the Danish fishery research vessel *Dana*, from which type was collected

***Monolene dubiosa* Garman 1899**

doubtful, allusion not explained; since description is based on a “young” specimen, perhaps Garman had some doubts about whether it could still be distinguished from previously described taxa as an adult

***Monolene helenensis* Amaoka & Imamura 2000**

-*ensis*, suffix denoting place: north of Saint Helena Island, southern central Atlantic, type locality

***Monolene maculipinna* Garman 1899**

macula, spot; *pinna*, fin, presumably referring to “several obliquely placed more or less elongate spots of white” on pectoral fin of eyed side

***Monolene megalepis* Woods 1961**

mega-, large; *lepis*, scale, referring to fewer and therefore larger lateral-line scales (56-63) compared to western Atlantic congeners

***Monolene mertensi* (Poll 1959)**

in honor of Mrs. P. Mertens, who created “very accurate and very meticulous” (translation) illustrations for Poll’s monographs of the fishes of the Belgian oceanographic expedition to the South Atlantic coastal waters of Africa [preferably spelled *mertensae* since name honors a woman, but ICZN 32.5.1 forbids such a correction]

***Monolene microstoma* Cadenat 1937**

micro-, small; *stoma*, mouth, referring to its “*excessivement petite*” mouth (*italics in original*), the maxillary length barely measuring $\frac{2}{3}$ of diameter of eye

***Monolene sessilicauda* Goode 1880**

sessilis, sessile; *cauda*, tail, referring to caudal fin almost confluent with dorsal and anal fins

***Neolaeops* Amaoka 1969**

neo-, new, i.e., a new genus of *Laeops*, original genus of *N. microphthalmus*

***Neolaeops microphthalmus* (von Bonde 1922)**

micro-, small; *ophthalmus*, referring to very small eyes, about half length of maxillary

***Parabothus* Norman 1931**

para-, near, referring to similarity to *Bothus*

***Parabothus amaokai* Parin 1983**

in honor of ichthyologist Kunio Amaoka, Hokkaido University, who authored the taxonomic framework of the bothid flatfishes of Japan

***Parabothus budkeri* (Chabanaud 1943)**

in honor of marine biologist Paul Budker (1900-1992), who trawled type from the Red Sea of Egypt

***Parabothus chlorospilus* (Gilbert 1905)**

chloros, green; *spilos*, mark or spot, presumably referring to “olive-green” spots on eyed side and/or “bright greenish yellow” spots on rostrum of male

***Parabothus coarctatus* (Gilbert 1905)**

pressed together or shortened, allusion not explained, perhaps referring to shorter, more elliptical body compared to *P. chlorospilus*, described in same publication

***Parabothus filipes* Amaoka, Mihara & Rivaton 1997**

filum, thread; *pes*, foot, referring to elongated pelvic fin on eyed side of males

***Parabothus kiensis* (Tanaka 1918)**

-*ensis*, suffix denoting place: Kii Province (now Wakayama Prefecture), Japan, where type locality (Tanabe) is situated

***Parabothus malhensis* (Regan 1908)**

-*ensis*, suffix denoting place: Saya de Malha Bank, Indian Ocean, type locality

***Parabothus polylepis* (Alcock 1889)**

poly, many; *lepis*, scale, allusion not explained, presumably referring to “very small” (and therefore more numerous) scales along lateral line (90-100)

***Parabothus rotundifrons* Voronina, Pruvost & Causse 2017**

rotund, rounded; *frons*, forehead, referring to rounded dorsal profile of head

***Parabothus taiwanensis* Amaoka & Shen 1993**

-*ensis*, suffix denoting place: off southwestern Taiwan, type locality (occurs in western central Pacific from Taiwan to Vanuatu Archipelago and Coral Sea)

Perissias Jordan & Evermann 1898

strange (i.e., different), allusion not explained, possibly referring to absence of lateral line on blind side

Perissias taeniopterus (Gilbert 1890)

taenia, ribbon; *pterus*, fin, referring to “ribbon shaped prolongations” of second dorsal- and ventral-fin rays on eyed side

Psettina Hubbs 1915

presumably a diminutive of *psettos*, Greek for flatfish, perhaps referring to small size of type species *Psettina iijimae*, described at 65 mm

Psettina brevirectis (Alcock 1890)

brevis, short; *rectis*, open mouth, referring to small mouth, $\frac{1}{3}$ head length, maxillary barely reaching behind anterior limit of lower eye

Psettina filimana Li & Wang 1982

fila-, filamentous; *mana*, handed, referring to elongate third ray of pectoral fin on eyed side

Psettina gigantea Amaoka 1963

large, allusion not explained, perhaps referring to larger maxillary compared to *P. tosana*, described in the same paper (name does not seem to refer to overall size since *P. gigantea*, at 114 mm SL, is smaller than *P. tosana*, which reaches 183 mm SL)

Psettina hainanensis (Wu & Tang 1935)

-ensis, suffix denoting place: Hainan Island, China, type locality

Psettina iijimae (Jordan & Starks 1904)

in honor of zoologist Isao Iijima (also spelled Ijima, 1861-1921), Science College, Imperial University of Tokyo [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]

Psettina multisquamea Fedorov & Foroshchuk 1988

multi-, many; *squamea*, scaled, referring to smaller and therefore more numerous scales compared to congeners

Psettina profunda (Weber 1913)

deep, allusion not explained, perhaps referring to deeper body compared to *Arnoglossus elongata*, described in same publication and presumed congener at the time

Psettina senta Amaoka & Larson 1999

thorny or rough, referring to characteristic long-spined scales on body

Psettina tosana Amaoka 1963

-ana, belonging to: Tosa Province, former name of Kochi Prefecture, Japan, where type locality (Mimase) is situated

Psettina variegata (Fowler 1934)

variegated, referring to its fins, “all more or less variegated, dorsal and anal with irregular dark blotches, somewhat as invasions from dark transverse bands and terminally small dark spots sprinkled on rays”

Taeniopsetta Gilbert 1905

taenio-, ribbon, allusion not explained, perhaps referring to anterior dorsal- and anal-fin rays of *T. radula* (longer in males) prolonged into a ribbon-like streamer

Taeniopsetta ocellata (Günther 1880)

having eye-like spots, referring to “more or less whitish ocelli” scattered over brown eyed side

Taeniopsetta radula Gilbert 1905

a tool used for scraping, allusion not explained, perhaps referring to ctenoid scales on eyed side, compared to cycloid scales on *T. ocellata*

Tosarhombus Amaoka 1969

Tosa, referring to Tosa Province, former name of Kochi Prefecture, Japan, where type locality (Urado) of type species, *T. octoculatus*, is situated; *rhombus*, perhaps referring to *Crossorhombus*, to which it is “closely allied”

Tosarhombus brevis Amaoka, Mihara & Rivaton 1997

short, referring to its stocky body

Tosarhombus longimanus Amaoka, Mihara & Rivaton 1997

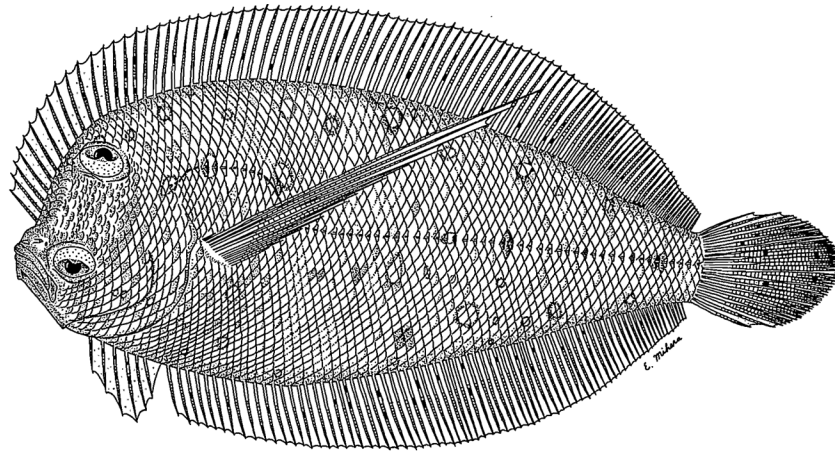
longus, long; *manus*, hand, referring to prolonged pectoral fin on eyed side of males

Tosarhombus neocaledonicus Amaoka & Rivaton 1991

-icus, belonging to: known only from Chesterfield Plateau, Nova Bank and Capel Bank, west of New Caledonia

Tosarhombus nielseni Amaoka & Rivaton 1991

in honor of Jørgen G. Nielsen (b. 1932), Zoological Museum of Copenhagen, who described *Tosarhombus smithi* in 1964



Tosarhombus longimanus. From: Amaoka, K., E. Mihara and J. Rivaton. 1997. Pisces, Pleuronectiformes: flatfishes from the waters around New Caledonia. Six species of the bothid genera *Tosarhombus* and *Parabothus*. *Mémoires du Muséum National d'Histoire Naturelle, Paris* (N. S.) (Série A) Zoologie No. 174: 143-171.

***Tosarhombus octoculatus* Amaoka 1969**

octo-, eight; *oculatus*, eyed, allusion not explained nor evident (although males are described as having six, not eight, horizontal dark blackish bands between eyes)

***Tosarhombus smithi* (Nielsen 1964)**

in honor of ichthyologist J. L. B. Smith (1897-1968) of South Africa, type locality

***Trichopsetta* Gill 1889**

trichos, hair or rays, referring to enlarged ventral-fin rays on blind side of male *T. ventralis*; *psetta*, Greek for flatfish but in this case probably referring to what Gill referred to as the “psettine” group of flatfishes

***Trichopsetta caribbaea* Anderson & Guthertz 1967**

named for the Caribbean Sea, where most of the type series were collected

***Trichopsetta melasma* Anderson & Guthertz 1967**

black spot, referring to black spot on anterior rays of anal fin of males

***Trichopsetta orbisulcus* Anderson & Guthertz 1967**

orbis, orbit; *sulcus*, furrow, referring to furrows on head, above and in front of upper eye

***Trichopsetta ventralis* (Goode & Bean 1885)**

ventral, referring to enlarged ventral-fin rays on blind side of males

Family PARALICHTHYIDAE Sand Flounders

10 genera · 64 species

***Ancylosetta* Gill 1864**

ankylos, bent, hooked or crooked, probably referring to “*falciform* arch” (italics in original) of lateral line of *A. quadrocclata* (= *ommata*); *psetta*, Greek for flatfish

***Ancylosetta antillarum* Guthertz 1966**

of the Antilles, referring to type locality in the north Bahamas

***Ancylosetta cycloidea* Tyler 1959**

named for cycloid scales on both sides of body (not just blind side)

***Ancylosetta dendritica* Gilbert 1890**

branched (like a tree), referring to “branched” lateral-line tubes

***Ancylosetta dilecta* (Goode & Bean 1883)**

per Goode & Bean (1896), admired or beloved, “in allusion to the beauty of the species”

***Ancylosetta kumperae* Tyler 1959**

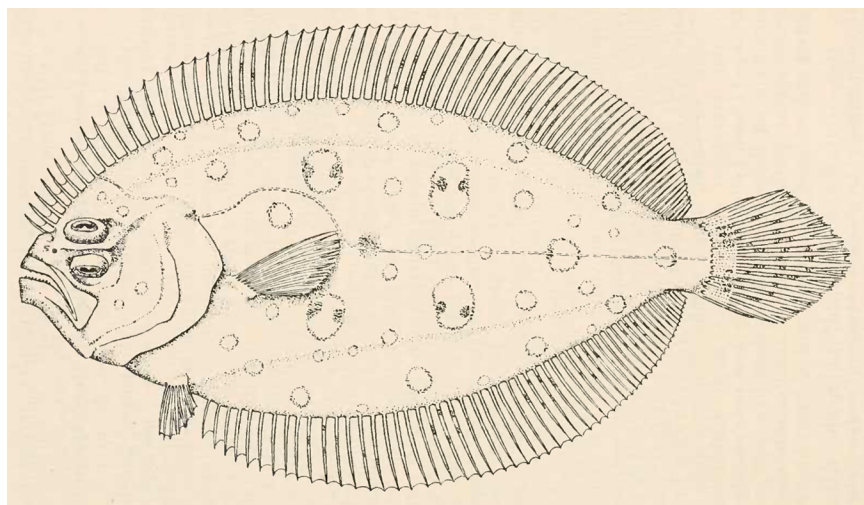
in honor of Tyler’s wife at the time, Helga O. Kumpera

***Ancylosetta microctenus* Guthertz 1966**

micro-, small; *ctenos*, comb, referring to microscopic ctenii on scales of eyed side

- Ancylosetta quadrocellata* Gill 1864**
quadri-, four; *ocellata*, with eye-like spots, referring to four ocellated spots larger than eye on body
- Cephalopsetta* Dutt & Rao 1965**
cephalo-, head, described as having a larger head than any other genus in the family; *psetta*, Greek for flatfish
- Cephalopsetta ventrocellatus* Dutt & Rao 1965**
ventro-, ventral or pelvic; *ocellatus*, with eye-like spots, referring to distinct ocellus (black spot enclosed by creamy ring) between 3rd and 5th rays of pelvic fin on eyed side
- Gastropsetta* Bean 1895**
gaster, belly, allusion not explained, presumably referring to produced ventral fin of eyed side, ending in a long filamentous ray in the young; *psetta*, Greek for flatfish
- Gastropsetta frontalis* Bean 1895**
pertaining to forehead, allusion not explained, perhaps referring to dorsal fin beginning in front of eyes
- Hippoglossina* Steindachner 1876**
diminutive of *Hippoglossus*, i.e., a small halibut, possibly referring to small size (35 cm TL) of *H. macrops* compared to *H. hippoglossus* (470 cm TL)
- Hippoglossina bollmani* Gilbert 1890**
in honor of naturalist Charles Harvey Bollman (1868-1889), who reported this flounder (with his mentor David Starr Jordan) as *H. macrops* in 1889
- Hippoglossina macrops* Steindachner 1876**
macro-, large; *ops*, eye, referring to its very large eyes (“Augen sehr gross”)
- Hippoglossina montemaris* de Buen 1961**
-is, genitive singular of: near Montemar, Chile, type locality
- Hippoglossina mystacium* Ginsburg 1936**
mustachioed, allusion not explained, perhaps referring to three embedded cycloid scales on maxillary
- Hippoglossina stomata* Eigenmann & Eigenmann 1890**
large mouthed, maxillary extending to posterior margin of eye, as long as or longer than pectoral fin
- Hippoglossina tetrophthalma* (Gilbert 1890)**
tetra, four; *ophthalmus*, eye, referring to two pairs of eye-like spots on eyed side of body
- Paralichthys* Girard 1858**
parallens, parallel, allusion not explained, perhaps referring to oblong body of *P. maculosus* (= *californicus*)
- Paralichthys adpersus* (Steindachner 1867)**
besprinkled, referring to “numerous black points, spots, and rings on the whole body” (translation)
- Paralichthys aestuarius* Gilbert & Scofield 1898**
occurring in estuarine (brackish) waters, referring to type locality, Shoal Point, Gulf of California, at mouth of Colorado River, Sonora, México
- Paralichthys albigutta* Jordan & Gilbert 1882**
albus, white; *gutta*, spot, referring to “very small pale spots” on dark greenish body (eyed side)
- Paralichthys brasiliensis* (Ranzani 1842)**
-ensis, suffix denoting place: Bahia, Brazil, type locality
- Paralichthys californicus* (Ayres 1859)**
Californian, referring to San Francisco Bay, California, USA, type locality (occurs along eastern Pacific from Washington south to Mexico)
- Paralichthys delfini* Pequeño & Plaza 1987**
in honor of Federico T. Delfin, Museo de Valparaiso, “just over 80 years after his death” (translation), for his contributions to Chilean ichthyology
- Paralichthys dentatus* (Linnaeus 1766)**
toothed, referring to large canine teeth
- Paralichthys fernandezianus* Steindachner 1903**
-ianus, belonging to: of Juan Fernández Islands, Chile, type locality (also occurs at Desventuradas Islands)
- Paralichthys isosceles* Jordan 1891**
named for three black eyespots or ocelli on eyed side, “in the form of an isosceles triangle”
- Paralichthys lethostigma* Jordan & Gilbert 1884**
lethos, to forget; *stigma*, mark or spot, referring to absence of spots compared to the spotted *P. dentatus*, which it otherwise resembles

- Paralichthys microps* (Günther 1881)**
micro-, small; *ops*, eyes, referring to smaller eyes compared to *Hippoglossina macrops*, its presumed congener at the time
- Paralichthys oblongus* (Mitchill 1815)**
oblong, allusion not explained, presumably referring to four oblong blackish ocelli or eyespots on eyed side
- Paralichthys olivaceus* (Temminck & Schlegel 1846)**
olive-colored, referring to olive-green color of eyed side, “a little grayish, and dotted with black spots” (translation)
- Paralichthys orbignyanus* (Valenciennes 1839)**
-anus, belonging to: naturalist Alcide d’Orbigny (1802-1857), who collected type
- Paralichthys patagonicus* Jordan 1889**
Patagonian, referring to eastern coast of Patagonia, type locality
- Paralichthys squamilentus* Jordan & Gilbert 1882**
scaly, allusion not explained, perhaps referring to small scales compared to the similar *P. albigutta*, described in the same publication
- Paralichthys triocellatus* Miranda Ribeiro 1903**
tri-, three; *ocellatus*, with eye-like spots, referring to three large ocelli or eyespots on eyed side of body
- Paralichthys tropicus* Ginsburg 1933**
tropical, presumably referring to type locality off Trinidad in the West Indies
- Paralichthys woolmani* Jordan & Williams 1897**
in honor of Albert J. Woolman (1861-1918), science teacher in Duluth, Minnesota, for his “work on the fresh-water fishes of Mexico and Florida” [biographical footnote: his son founded Delta Airlines]
- Pseudorhombus* Bleeker 1862**
pseudo-, false, i.e., although this genus may resemble *Rhombus* (= *Scophthalmus*, Scophthalmidae), with three of its species previously placed in it, such an appearance is false
- Pseudorhombus annulatus* Norman 1927**
ringed, referring to numerous dark rings on eyed side
- Pseudorhombus argus* Weber 1913**
Argus, mythical hundred-eyed guardian of Io, whose eyes after death were transformed into the feathers of a peacock, referring to five peacock-like ocelli or eyespots on eyed side
- Pseudorhombus arsius* (Hamilton 1822)**
latinization of *arsi*, local name for this flatfish in Calcutta, India (but widely occurs in Red Sea and Indo-West Pacific from east Africa and Persian Gulf east to Marshall Islands and Fiji, north to southern Japan, south to Australia)
- Pseudorhombus binii* Tortonese 1955**
in honor of Giorgio Bini (1906-?), Laboratorio Centrale di Pesca, Piscicoltura e Idrobiologia (Rome), who collected type
- Pseudorhombus cinnamoneus* (Temminck & Schlegel 1846)**
cinnamon colored, referring to cinnamon brown (“brun de canelle”), predominant color of eyed side
- Pseudorhombus ctenosquamis* (Oshima 1927)**
cteno-, ctenoid; *squamis*, scale, referring to ctenoid scales on eyed side (cycloid scales on blind side)
- Pseudorhombus diplospilus* Norman 1926**
diplo-, double; *spilos*, mark or spot, referring to four double eyespots (two ocelli in one ring) on eyed side
- Pseudorhombus dupliciocellatus* Regan 1905**
duplico-, double; *ocellatus*, having eye-like spots, referring to 3-5 double eyespots (two ocelli in one ring) on eyed side of body
- Pseudorhombus elevatus* Ogilby 1912**
raised, referring to “exceptional depth of the body”
- Pseudorhombus javanicus* (Bleeker 1853)**
Javanese, referring to Jakarta, Java, Indonesia, type locality (but widely occurring in Indo-West Pacific from eastern India east to New Guinea, north to Viet Nâm and China)
- Pseudorhombus jenynsii* (Bleeker 1855)**
in honor of English clergyman and naturalist Leonard Jenyns (1800-1893), who provisionally described but did not name this species in 1842



Pseudorhombus diplospilus. From: Norman, J. R. 1926. A report on the flatfishes (Heterosomata) collected by the F.I.S. "Endeavour," with a synopsis of the flatfishes of Australia and a revision of the subfamily Rhombosoleinae. *Biological Results Endeavour* v. 5 (pt 5): 219-308.

***Pseudorhombus levisquamis* (Oshima 1927)**

laevis, smooth; *squamis*, scale, referring to cycloid scales on both eyed and blind sides

***Pseudorhombus malayanus* Bleeker 1865**

-anus, belonging to: Malay, presumably referring to its occurrence throughout the Malay Archipelago

***Pseudorhombus megalops* Fowler 1934**

mega-, large; *ops*, eye, referring to its "very large and conspicuous eyes, not like those of any related species"

***Pseudorhombus micrognathus* Norman 1927**

micro-, small; *gnathus*, jaw, referring to shorter maxillary compared to *P. elevatus*, "scarcely reaching middle of eye"

***Pseudorhombus natalensis* Gilchrist 1904**

-ensis, suffix denoting place: off Cape Natal, KwaZulu-Natal, South Africa, type locality

***Pseudorhombus neglectus* Bleeker 1865**

neglected or unnoticed, referring to how Bleeker initially overlooked this species, preserved in the same jar as *P. malayanus* and *P. russellii* (= *arsius*)

***Pseudorhombus oculocirris* Amaoka 1969**

oculus, eye; *cirris*, tendril, referring to dermal tentacle usually present on lower eye

***Pseudorhombus oligodon* (Bleeker 1854)**

oligos, few; *odon*, tooth, referring to fewer teeth in lower jaw (6) compared to *P. cinnamomeus* (>20)

***Pseudorhombus pentophthalmus* Günther 1862**

pento-, five; *ophthalmus*, eye, referring to five violet, white-edged eyespots on eyed side

***Pseudorhombus quinquocellatus* Weber & de Beaufort 1929**

quinque, five; *ocellatus*, having eye-like spots, referring to five black blotches surrounded by a brown ring on eyed side

***Pseudorhombus spinosus* McCulloch 1914**

thorny, allusion not explained, perhaps referring to 4-6 "projecting spinules" on free margins of palmate gill rakers and/or strong preanal spine (actually tip of large interhaemal spine that perforates skin)

***Pseudorhombus tenuirastrum* (Waite 1899)**

tenuis, thin; *rostrum*, rake, referring to narrow gill rakers in contrast to broad gill rakers of *P. arsius* and *Paralichthys novaecambriae* (a taxon of uncertain status)

***Pseudorhombus triocellatus* (Bloch & Schneider 1801)**

tri-, three; *ocellatus*, with eye-like spots, referring to three eyespots or ocelli on eyed side of body

***Tarphops* Jordan & Thompson 1914**

tarphys, close; *ops*, eye, referring to eyes of *T. oligolepis* "very close together"

***Tarphops elegans* Amaoka 1969**

fine or well proportioned, allusion not explained, perhaps referring to slender, rather elongate body compared to

the ovate *T. oligolepis*

***Tarphops oligolepis* (Bleeker 1858)**

oligo-, few; *lepis*, scales, referring to larger and therefore smaller number of scales (40-45) in lateral line compared to presumed congeners (60-80) at the time

***Tephrinectes* Günther 1862**

tephritis, an ash-colored stone, presumably referring to brownish color scattered with black or blue dots; *nectes*, swimmer [replacement name for *Tephritis* Günther 1862, preoccupied in *Diptera*]

***Tephrinectes sinensis* (Lacepède 1802)**

-ensis, suffix denoting place: Sinica (China), referring to occurrence in western Pacific off China (and Taiwan)

***Thysanopsetta* Günther 1880**

thysanos, fringe or tassel, referring to fringed margin of gill opening on eyed side; *psetta*, Greek for flatfish

***Thysanopsetta naresi* Günther 1880**

patronym not identified but almost certainly in honor of George Strong Nares (1831-1915), British naval officer and member of *Challenger* expedition (1872-1876), during which type was collected

***Xystreurys* Jordan & Gilbert 1880**

xyster, raker; *eurys*, broad, referring to very short but broad gill rakers of *X. liolepis*

***Xystreurys liolepis* Jordan & Gilbert 1880**

leios, smooth; *lepis*, scale, referring to small, smooth (cycloid) scales on body

***Xystreurys rasilis* (Jordan 1891)**

polished or made smooth, allusion not explained, presumably referring to its smooth cycloid scales, by which it differs from the related *Hippoglossina* and *Lyopsetta* [often incorrectly spelled *rasile*; *rasilis* agrees with masculine gender of *Xystreurys*]

Family CYCLOPSETTIDAE

4 genera · 46 species/subspecies

***Citharichthys* Bleeker 1862**

Citharus (Citharidae), presumably referring to similarity to this genus; *ichthys*, fish

***Citharichthys abbotti* Dawson 1969**

in honor of Walter Abbott, colleague at the Gulf Coast Research Laboratory, who collected type with Dawson

***Citharichthys amblybregmatus* Guthertz & Blackman 1970**

ambly, blunt; *bregmatus*, front of head, referring to its very blunt head, more so in males than females

***Citharichthys arctifrons* Goode 1880**

arctus, narrow; *frons*, forehead, probably referring to “very narrow” interorbital space

***Citharichthys arenaceus* Evermann & Marsh 1900**

sandy, presumably referring to color pattern, “light-gray, thickly spotted with olive, giving it a granitic appearance”

***Citharichthys cornutus* (Günther 1880)**

horned, presumably referring “three pointed projections” on snout in front of upper eye (at least in adults)

***Citharichthys darwini* Victor & Wellington 2013**

in honor of English naturalist Charles Darwin (1809-1882), who spent an “overpoweringly hot” October 1, 1835 exploring Tagus Cove of the Galápagos Islands (type locality); name also “serves as a somewhat belated recognition of the 150th anniversary of the publication of *The Origin of Species* in London in October 1860, mitigated to some small degree by the knowledge that the dilatory nature of the endeavor would not be particularly foreign to Darwin’s sensibilities”

***Citharichthys dinoceros* Goode & Bean 1886**

dino-, fearfully great (as in dinosaur); *ceros*, horn, referring to strong spine on snout overhanging upper lip

***Citharichthys fragilis* Gilbert 1890**

fragile, presumably referring to its deciduous scales

***Citharichthys gilberti* Jenkins & Evermann 1889**

in honor of ichthyologist and fisheries biologist Charles H. Gilbert (1859-1928), “whose collection, and notes on fishes from Mazatlan [México], containing undescribed species, this among them, was destroyed by fire in 1883”

***Citharichthys gnathus* Hoshino & Amaoka 1999**

jaw, referring to bony knob at anterior tip of lower jaw

***Citharichthys gordae* Beebe & Tee-Van 1938**

of Gorda Bank, Baja California, México, type locality

***Citharichthys gymnorhinus* Gutherz & Blackman 1970**

gymnos, bare or naked; *rhinus*, snout, referring to absence of scales on snout (from anterior edge of head to vertical through posterior margin of pupil of lower eye)

***Citharichthys macrops* Dresel 1885**

macro-, long or large; *ops*, eye, referring to “much larger” eyes compared to *C. spilopterus*

***Citharichthys mariajorisae* van der Heiden & Mussot-Pérez 1995**

in honor of Maria Joris (1917-1995), maiden name of the senior author’s mother, for her “teaching and perpetual support”; unable to continue her own education during and after World War II, she nevertheless encouraged her six children to study foreign languages, learn music, play an instrument, earn a university degree, and follow one’s dreams (Albert van der Heiden, pers. comm.)

***Citharichthys minutus* Cervigón 1982**

small, allusion not explained but clearly referring to its size, reaching just 5.2 cm TL

***Citharichthys platophrys* Gilbert 1891**

platys, wide or broad; *phrys*, brow, referring to interorbital space, “very wide for a *Citharichthys*”

***Citharichthys sordidus* (Girard 1854)**

dirty, allusion not explained, perhaps referring to its fins, which “appear as if covered with a coating of dust” and/or to its overall dull coloration

***Citharichthys spilopterus* Günther 1862**

spilos, spot; *pterus*, fin, referring to series of “distant” blackish spots along basal portions of anal and dorsal fins

***Citharichthys stampflii* (Steindachner 1894)**

patron not identified but probably in honor of naturalist Franz Xavier Stampfli (1847-1903), who had worked in Liberia (type locality)

***Citharichthys stigmaeus* Jordan & Gilbert 1882**

speckled, presumably referring to “very small but conspicuous black spot” in middle of each 7th-10th ray of its vertical fins

***Citharichthys surinamensis* (Bloch & Schneider 1801)**

-ensis, suffix denoting place: coast of Suriname, type locality

***Citharichthys uhleri* Jordan 1889**

in honor of entomologist Philip Reese Uhler (1835-1913), who brought type from Haiti

***Citharichthys valdezi* Cervigón 1986**

in honor of Julio Valdez, Francisco de Miranda Experimental University (Coro, Venezuela), who “generously” (translation) made available all the specimens used in the description

***Citharichthys xanthostigma* Gilbert 1890**

xanthos, yellow; *stigma*, mark or spot, referring to numerous bright-yellow spots along and above lateral lines, “broadly ocellated with brownish black”

***Cyclopsetta* Gill 1889**

cyclo-, circle, referring to “regularly” cycloid scales (some weakly ctenoid) on eyed side of *C. fimbriata*

***Cyclopsetta chittendeni* Bean 1895**

in honor of English physician and medical officer John F. Chittenden (1843-1895), Victoria Institute, Port of Spain, Trinidad, who provided type

***Cyclopsetta fimbriata* (Goode & Bean 1885)**

fringed, allusion not explained, presumably referring to produced rays of dorsal fin

***Cyclopsetta panamensis* (Steindachner 1875)**

-ensis, suffix denoting place: Panama, type locality (occurs in eastern Pacific from Baja California south to Ecuador)

***Cyclopsetta querna* (Jordan & Bollman 1890)**

oaken, i.e., tanned, presumably referring to color, described as “plain brown, unspotted”

***Etropus* Jordan & Gilbert 1882**

etron, abdomen; *pous*, foot, referring to ventral fin of *E. crossotus* on ridge of abdomen

***Etropus ciadi* van der Heiden & Plascencia González 2005**

named for CIAD, Centro de Investigación en Alimentación y Desarrollo (Mazatlan, Sonora, Mexico), where both authors have held research positions since 1994 and 1999, respectively

***Etropus crossotus* Jordan & Gilbert 1882**

fringed, referring to row of “conspicuous” white cilia on edge of opercle on blind side

***Etropus cyclosquamus* Leslie & Stewart 1986**

cyclo-, circle; *squama*, scale, referring to cycloid scales on blind side, which distinguishes it from *E. rimosus*

***Etropus delsmanni delsmanni* Chabanaud 1940**

patronym not identified but almost certainly in honor of fisheries biologist Hendricus Christoffel Delsman (1886-1969), who studied and described many fishes collected by the Dutch ship *Mercator*, and perhaps supplied Chabanaud with the type of this one

***Etropus delsmanni pacificus* Nielsen 1963**

-icus, belonging to: Pacific Ocean, i.e., a subspecies of *E. delsmanni* occurring on Pacific side of Central America

***Etropus ectenes* Jordan 1889**

stretched, referring to its “elongate form” compared to *E. crossotus*

***Etropus longimanus* Norman 1933**

longus, long; *manus*, hand, referring to longer pectoral fin (on eyed side) compared to *E. microstomus*

***Etropus microstomus* (Gill 1864)**

micro-, small; *stomus*, mouth, referring to “rather small” mouth, “length of the upper jaw only equalling a quarter of the length, and that of the lower two-fifths of the head’s length”

***Etropus peruvianus* Hildebrand 1946**

Peruvian, referring to Sechura Bay, Peru, type locality (occurs in eastern Pacific from Panama Bay to northern Peru)

***Etropus rimosus* Goode & Bean 1885**

per Goode & Bean (1896), rough-looking, full of cracks and fissures, allusion not explained, perhaps referring to “strongly pectinated” scales on both sides of body (Jordan & Evermann [1898] state, apparently incorrectly, that name means “frosted”]

***Syacium Ranzani* 1842**

latinization of *Syacia*, ancient Greek name for flatfishes according to Gesner (1558)

***Syacium guineense* (Bleeker 1862)**

-ensis, suffix denoting place: coast of Guinea, type locality (occurs in eastern Atlantic from western Sahara to Namibia and Cape Verde Islands) [often incorrectly spelled *guineensis*; *guineense* agrees with neuter gender of *Syacium*]

***Syacium gunteri* Ginsburg 1933**

in honor of marine biologist Gordon Gunter (1909-1998), then a staff investigator for the U.S. Bureau of Fisheries, for the aid he rendered in Ginsburg’s studies of Gulf Coast fishes in 1931 and for “other courtesies shown” (e.g., he collected type and sent specimens to Ginsburg)

***Syacium latifrons* (Jordan & Gilbert 1882)**

latus, broad; *frons*, forehead, referring to much broader interorbital space in adult males compared to *S. ovale*

***Syacium longidorsale* Murakami & Amaoka 1992**

longus, long; *dorsalis*, of the back, referring to extended anterior dorsal-fin rays of mature males

***Syacium maculiferum* (Garman 1899)**

macula, spot; *fero*, to bear, presumably referring to “numerous ocellate spots on bluish and of brownish on body and fins”

***Syacium micrurum* Ranzani 1842**

micro-, small; [*o*]ura, tailed, referring to short caudal fin, possibly in comparison with two other species mentioned by Ranzani, *S. soleaeformis* (= *papillosum*) and *S. ocellatum* (= *micrurum*)

***Syacium ovale* (Günther 1864)**

oval, allusion not explained but clearly referring to elliptic-ovate body shape

***Syacium papillosum* (Linnaeus 1758)**

having papillae, described as having a papillous body

Family PLEURONECTIDAE Righteye Flounders

24 genera · 65 species/subspecies

Subfamily Atheresthinae***Atheresthes* Jordan & Gilbert 1880**

ather, beard or spike of an ear of corn; *esthio*, to eat, referring to sharp, arrow-shaped teeth

***Atheresthes evermanni* Jordan & Starks 1904**

patronym not identified but clearly in honor of ichthyologist Barton Warren Evermann (1853-1932), United States Fish Commission, whose steamer *Albatross* collected type

***Atheresthes stomias* (Jordan & Gilbert 1880)**

large-mouthed, referring to its mouth, described as “extremely large and oblique, the lower jaw included”

Subfamily Pleuronichthyinae***Pleuronichthys* Girard 1854**

pleuro, side; *ichthys*, fish, i.e., a fish that swims on its side

***Pleuronichthys coenosus* Girard 1854**

muddy, presumably referring to “deep brown” color of body and fins; Pietsch & Orr (2019) suggest that name also “sounds out” eyed-side color pattern of caudal fin, which appears as a reverse “C” at base of caudal followed by an “O”-like spot (hence the common name C-O Sole), but since Girard did not mention these markings we suspect any similarity between “*coenosus*” and “C-O” is coincidental

***Pleuronichthys cornutus* (Temminck & Schlegel 1846)**

horned, presumably referring to sharp, backward-projecting spine on posterior end of interorbital ridge

***Pleuronichthys decurrens* Jordan & Gilbert 1881**

running down, allusion not explained, possibly referring to how dorsal fin extends (or “runs down,” our term) to blind side

***Pleuronichthys guttulatus* Girard 1856**

diminutive of *guttata*, dotted, referring to “scattered light spots appearing like as many drops irregularly dispersed” on grayish-black body

***Pleuronichthys lighti* Wu 1929**

in honor of zoologist Sol Felty Light (1886-1947), University of California, who collected fishes from Amoy (now called Xiamen) Island, China (presumably type locality of this flounder), from 1922-1928, and who had “always been incentive to the author’s interest in zoology during his three years association with him at the University of Amoy [now Xiamen]”

***Pleuronichthys macrocephalus* (Breder 1936)**

macro-, long or large; *cephala*, head, referring to large head, 4.0 in length

***Pleuronichthys ocellatus* Starks & Thompson 1910**

with eye-like spots, referring to “very conspicuous spot ocellated with milk white midway on the lateral line”

***Pleuronichthys ritteri* Starks & Morris 1907**

patronym not identified but almost certainly in honor of marine biologist William Emerson Ritter (1856-1944), Marine Biological Association of San Diego (now Scripps Institution of Oceanography)

***Pleuronichthys verticalis* Jordan & Gilbert 1880**

pertaining to the vertex (crown of head), probably referring to spiny ridge between eyes

Subfamily Microstominae Smallmouth Flounders***Glyptocephalus* Gottsche 1835**

glyptos, engraved or sculpted; *cephalus*, head, referring to numerous excavations and muscous cavities in skull on blind side

***Glyptocephalus cynoglossus* (Linnaeus 1758)**

cyno-, dog; *glossus*, tongue, i.e., shaped like the tongue of a dog (elliptical)

***Glyptocephalus kitaharae* (Jordan & Starks 1904)**

in honor of zoologist Tasaku Kitahara (1870-1922), Imperial Fisheries Bureau, Department of Agriculture and Commerce (Tokyo), “author of a paper on the Scombridae of Japan” [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]

***Glyptocephalus stelleri* (Schmidt 1904)**

patronym not identified but clearly in honor of Georg Wilhelm Steller (1709-1746), German physician-naturalist who worked in Russia and explored the Kamchatka Peninsula and what is now Alaska; Schmidt discussed the importance of Steller’s contributions in the opening sections of his monograph

***Glyptocephalus zachirus* Lockington 1879**

za-, very; *cheiros*, hand, referring to “exceedingly long and lanceolate” pectoral fin on eyed side

***Microstomus* Gottsche 1835**

micro-, small; *stomus*, mouth, referring to “very small” mouth of *M. latidens* (=kitt)

***Microstomus achne* (Jordan & Starks 1904)**

a “whiff of foam” according to Jordan & Starks, allusion not explained nor evident (*achne* can also mean “any light substance, chaff or down,” none of which seem to apply)

***Microstomus bathybius* (Gilbert 1890)**

bathys, deep; *bios*, life, referring to type locality in the Santa Barbara Channel off southern California (USA), at a depth of 1100 m

***Microstomus kitt* (Walbaum 1792)**

local name for this flatfish in Cornwall, England, according to Rev. George Jago (see *Lepidorhombus whiffiagonis* in Scophthalmidae, above)

***Microstomus pacificus* (Lockington 1879)**

-icus, belonging to: Pacific Ocean (specifically, North Pacific from Bering Sea to southern Baja California)

***Microstomus shuntovi* Borets 1983**

patronym not identified, probably in honor of Vyacheslav P. Shuntov (b. 1937), chief scientist of the Pacific Institute of Scientific Fisheries and Oceanography Center (Vladivostok), where Borets was working at the time

Subfamily Hippoglossinae Halibuts***Clidoderma* Bleeker 1862**

clido-, from *kleidos* (Gr. κλειδός), genitive singular of *kleís* (κλείς), a key or hook; *dérma* (Gr. δέρμα), skin, presumably referring to rough, bony tubercles on eyed side of adults, most of them bearing small spines (i.e., hooks) [may belong in a new or different subfamily]

***Clidoderma asperrimum* (Temminck & Schlegel 1846)**

very rough, referring to rough, bony tubercles on eyed side of adults, most of them bearing small spines

***Eopsetta* Jordan & Goss 1885**

eos, meaning “excellent” per Jordan & Goss (original description) and “morning” per Jordan & Evermann (1898), neither allusion explained nor evident (Pietsch & Orr 2019 posits that name refers to its more primitive appearance); *psetta*, Greek for flatfish

***Eopsetta grigorjewi* (Herzenstein 1890)**

in honor of Russian botanist and ethnographer Alexander Vasilevich Grigoriev (1848-1908), who collected type

***Eopsetta jordani* (Lockington 1879)**

in honor of the “distinguished” ichthyologist David Starr Jordan (1851-1931), “who has done more than any other American to increase our knowledge of the fresh-water fishes of the United States”

***Hippoglossus* Cuvier 1816**

tautonymous with *Pleuronectes hippoglossus*

***Hippoglossus hippoglossus* (Linnaeus 1758)**

ancient name for halibut, from *hippo*, horse, and *glossus*, tongue, referring to its large, flat, tongue-like shape

***Hippoglossus stenolepis* Schmidt 1904**

stenos, narrow (i.e., reduced in size); *lepis*, scale, referring to minute scales that cover both eyed and blind sides

***Lyopsetta* Jordan & Goss 1885**

lyo, loose, referring to its “large, loose” scales; *psetta*, Greek for flatfish [may belong in a new or different subfamily]

***Lyopsetta exilis* (Jordan & Gilbert 1880)**

slender, referring to more elongate body compared to *Hippoglossoides platessoides* and *Eopsetta jordani*, its presumed congeners at the time

***Reinhardtius* Gill 1861**

-ius, pertaining to: Norwegian zoologist Johannes Christopher Hagemann Reinhardt (1778-1845), whose works on the fishes of Greenland are cited many times by Gill

***Reinhardtius hippoglossoides* (Walbaum 1792)**

-oides, having the form of: *hippoglossus*, ancient name for halibut, referring to its oblong, halibut-like shape

***Verasper* Jordan & Gilbert 1898**

verus, true; *asper*, rough, presumably referring to “extremely spinous” scales

***Verasper moseri* Jordan & Gilbert 1898**

in honor of Jefferson Franklin Moser (1848-1934), U.S. Navy, Lieutenant-Commander in charge of the U.S. Fish Commission steamer *Albatross*, from which type was collected

***Verasper variegatus* (Temminck & Schlegel 1846)**

variegated, referring to combination of colors and markings, including orange-red on lower eyed side, uniform dark brownish upper body sometimes variegated with paler patches behind head and upper and lower edges of body, and large black or dark-brown spots near bases of dorsal and anal fins (plus small scattered brown spots on blind side)

Subfamily Pleuronectinae True Flounders***Acanthopsetta* Schmidt 1904**

acanthus, thorn or spine, probably referring to anal spine, which Schmidt used to distinguish this genus from *Verasper* and *Hippoglossina* (Paralichthyidae); *psetta*, Greek for flatfish

***Acanthopsetta nadeshnyi* Schmidt 1904**

of *Nadeshny* (which means “one to be depended upon”), an icebreaker based in Vladivostok, Russia, from which “many works of expedition were provided” (translation)

***Cleisthenes* Jordan & Starks 1904**

named for Cleisthenes, “the effeminate,” a prominent Athenian delegate during the Peloponnesian War (431 BC) frequently used by the comedian Aristophanes as the butt of jokes and as a character in his plays because Cleisthenes was apparently well known in Athens for being effeminate and/or homosexual; why Jordan & Starks selected this name is not explained nor evident

***Cleisthenes herzensteini* (Schmidt 1904)**

patronym not identified but clearly in honor of Russian ichthyologist Solomon Markovich Herzenstein (1854–1894)

***Cleisthenes pinetorum* Jordan & Starks 1904**

of pine woods, presumably referring to Kinkwazan Island, Japan, type locality, one of the “Thousand Pine-clad Islands” of Matsushima Bay

***Dexistes* Jordan & Starks 1904**

etymology not explained, presumably *dextra*-, right and *-istes*, adjectival suffix, i.e., one who is right-handed, referring to color and eyes on right side of body

***Dexistes rikuzenius* Jordan & Starks 1904**

-ius, pertaining to: Rikuzen, former province in Miyagi Prefecture of Japan, where Matsushima Bay, type locality, was situated

***Hippoglossoides* Gottsche 1835**

-oides, having the form of: presumably referring to resemblance with *Hippoglossus*

***Hippoglossoides dubius* Schmidt 1904**

doubtful or uncertain, allusion not explained, probably referring to Schmidt’s initial plan to place this species in a new genus (*Cynopsetta*, proposed in 1903 but not formally described) before he decided on the current genus based on examination of other *Hippoglossoides* specimens

***Hippoglossoides elassodon* Jordan & Gilbert 1880**

elasson, reduced; *odon*, tooth, referring to its small teeth, “much smaller” than in *Eopsetta jordani* and “not larger than” in *Lyopsetta exilis*, its presumed congeners at the time

***Hippoglossoides platessoides platessoides* (Fabricius 1780)**

-oides, having the form of: referring to its spots, like that of *Pleuronectes platessa*

***Hippoglossoides platessoides limandoides* (Bloch 1787)**

-oides, having the form of: *Limanda limanda*, comparison not explained, perhaps referring to similarly rough ctenoid scales on eyed side

***Hippoglossoides robustus* Gill & Townsend 1897**

stout or robust, presumably referring to its “thick” body

***Isopsetta* Lockington 1883**

isos, equal, allusion not explained, presumably referring to strongly ctenoid scales “almost uniform” over head and body of eyed side, or to ctenoid scales on both eyed and blind sides; *psetta*, Greek for flatfish

***Isopsetta isolepis* (Lockington 1880)**

isos, equal; *lepis*, scale, allusion not explained, presumably referring to strongly ctenoid scales “almost uniform” over head and body of eyed side, or to ctenoid scales on both eyed and blind sides

***Lepidopsetta* Gill 1862**

lepido-, scale, allusion not explained, perhaps referring to ctenoid scales covering entire body of *L. umbrosa* (= *bilineata*), some of which have prickles or small asperities; *psetta*, Greek for flatfish

***Lepidopsetta bilineata* (Ayres 1855)**

bi-, two; *lineata*, lined, referring to double or bifurcated lateral line, with a high arch and a short accessory dorsal branch

***Lepidopsetta mochigarei* Snyder 1911**

Japanese for “rice-cake flounder,” presumably referring to its bright-white blind side, similar to white rice-cake common in Japan

***Lepidopsetta polyxystra* Orr & Matarese 2000**

poly, many; *xystrus*, raker, referring to more numerous gill rakers compared to congeners

***Limanda* Gottsche 1835**

tautonymous with *Pleuronectes limanda* Linnaeus 1758 (see *L. limanda*, below), which Gottsche unnecessarily renamed *L. vulgaris*

***Limanda aspera* (Pallas 1814)**

rough, referring to ctenoid scales on both eyed and blind sides

***Limanda limanda* (Linnaeus 1758)**

old name for this species, possibly derived from the French *lime* (and the Latin *lima*), meaning file (tool used to smooth metal), referring to rough ctenoid scales on eyed side; another explanation is that name is derived from the Latin *limus*, meaning mud

***Limanda sakhalinensis* Hubbs 1915**

-ensis, Latin suffix denoting place: Sakhalin Island, North Pacific Ocean, type locality

***Liopsetta* Gill 1864**

leios, smooth, referring to “perfectly smooth” (i.e., scaleless) body, a misnomer based on females, which have cycloid scales whereas males have ctenoid; *psetta*, Greek for flatfish

***Liopsetta glacialis* (Pallas 1776)**

icy or frozen, described from the Arctic Ocean

***Liopsetta pinnifasciata* (Kner 1870)**

pinnis, fin; *fasciata*, banded, referring to short blackish bars on dorsal and anal fins

***Liopsetta putnami* (Gill 1864)**

in honor of Gill’s friend Frederic Ward Putnam (1839-1915), curator of ichthyology, Boston Society of Natural History, who supplied a small collection of fishes, including type of this one

***Myzopsetta* Gill 1861**

myzon, sucker, allusion not explained but clearly referring to mouth of *M. ferruginea*, described by Storer as having “tumor-like” lips that “appear somewhat like” the mouth of the sucker, *Catostomus catostomus* (Cypriniformes: Catostomidae)

***Myzopsetta ferruginea* (Storer 1839)**

rusty red, referring to “reddish slate-color” on eyed side of body, “covered with a great number of ferruginous spots”

***Myzopsetta proboscidea* (Gilbert 1896)**

having a long snout or proboscis, referring to long snout, with jaws converging almost to a point

***Myzopsetta punctatissima* (Steindachner 1879)**

very spotted, referring to eyed side of body “brown and very densely covered with darker spots and dots, between which less numerous and partly but not insignificantly larger milk-white spots are irregularly scattered” (translation)

***Parophrys* Girard 1854**

para-, near; *ophrys*, eyebrow, allusion not explained; according to Jordan & Evermann (1898), referring to narrow inter-orbital space, which, with upper eye pointing obliquely upwards, gives the fish a “peculiar physiognomy”

***Parophrys vetulus* Girard 1854**

old man, allusion not explained nor evident

***Platichthys* Girard 1854**

platy, flat; *ichthys*, fish, literally a “flatfish”

***Platichthys bicoloratus* (Basilewsky 1855)**

bi-, two; *coloratus*, colored, allusion not explained, perhaps referring to dark or dusky eyed side and white blind side

***Platichthys flesus flesus* (Linnaeus 1758)**

presumably latinization of *flez*, local name for this flounder in France, dating to Rondelet (1558) [often but incorrectly spelled *flessus*]

***Platichthys flesus luscus* (Pallas 1814)**

one-eyed or half-blind, referring to how this flatfish, like all adult flatfishes, is eyed on one side and blind on the other [treated as a full species by some workers]

***Platichthys solemdali* Momigliano, Denys, Jokinen & Merilä 2018**

in honor of Per Solemdal (1941-2016), Institute of Marine Research (Bergen, Norway), the first to study this flounder’s eggs and sperm in connection to salinity, discovering that the specific gravity of its eggs is a fixed (or nearly so) population characteristic, “laying the foundations on which many subsequent studies on local adaptation and speciation of Baltic Sea marine fishes were built”

***Platichthys stellatus* (Pallas 1787)**

starry, referring to rough, stellate (star-shaped) scales on both eyed and blind sides

***Pleuronectes* Linnaeus 1758**

pleuro-, side; *nectes*, swimmer, i.e., a fish that swims on its side

***Pleuronectes platessa* Linnaeus 1758**

Latin for flounder, probably derived from the Greek *platus*, flat, and precursor of the Middle English *plaice*

***Pleuronectes quadrituberculatus* Pallas 1814**

quadri-, four; *tuberculatus*, with tubercles, referring to four (sometimes five) bony tubercles along postocular ridge

***Psettichthys* Girard 1854**

psetta, Greek for flatfish; *ichthys*, fish

***Psettichthys melanostictus* Girard 1854**

melanos, black; *stictus*, spotted, referring to “crowded black dots” on eyed side of body

***Pseudopleuronectes* Bleeker 1862**

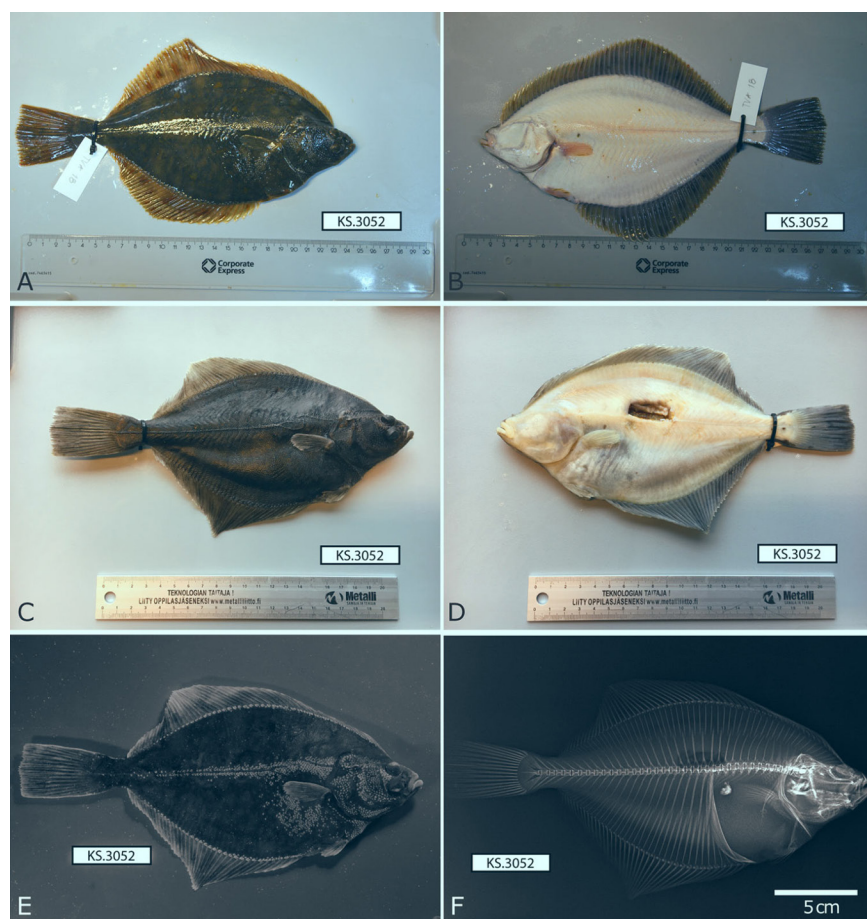
pseudo-, false, i.e., although this genus may resemble *Pleuronectes*, with its type species *P. planus* (= *americanus*) previously placed in it, such an appearance is false

***Pseudopleuronectes americanus* (Walbaum 1792)**

American, based on Schöpf’s 1788 account of a flounder from Rhode Island, USA

***Pseudopleuronectes herzensteini* (Jordan & Snyder 1901)**

in honor of Russian ichthyologist Solomon Markovich Herzenstein (1854–1894), who described this species in 1890 but used a preoccupied name



Platichthys solemdali. From: Momigliano, P., G. P. J. Denys, H. Jokinen and J. Merilä. 2018. *Platichthys solemdali* sp. nov. (Actinopterygii, Pleuronectiformes): a new flounder species from the Baltic Sea. *Frontiers in Marine Science* v. 5: 1-21.

***Pseudopleuronectes obscurus* (Herzenstein 1890)**

dark, referring to “very dark” (translation) color of fins and eyed side of body

***Pseudopleuronectes schrenki* (Schmidt 1904)**

in memory of Leopold von Schrenck (1826-1894), Baltic-German Russian zoologist, geographer, ethnographer, and “well-known investigator of the mollusk fauna of the northern Sea of Japan” (translation)

***Pseudopleuronectes yokohamae* (Günther 1877)**

of Yokohama Bay, Japan, type locality