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COMMENTS:
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Order GOBIIFORMES (part 7 of 7)

Family GOBIIDAE Gobies (*Rhinogobiops* through *Zebrus*)

Taxonomic note: includes taxa formerly included in the families Kraemeriidae, Microdesmidae and Schindleriidae.

***Rhinogobiops* Hubbs 1926**
-*ops*, appearance, i.e., similar to *Rhinogobius* (Oxudercidae)

***Rhinogobiops nicholsii* (Bean 1882)**
in honor of Capt. Henry E. Nichols (d. 1899), U.S. Navy, commander of the United States Coast and Geogetic Survey steamer *Hassler* through the inland waters of British Columbia and southern Alaska; he "secured" type and preserved 31 species in total, all in a state of "excellent preservation"; in fact, Bean wrote, "It is due to Captain Nichols to say that no better-preserved lot of fishes has been received from any other collector."

***Risor* Ginsburg 1933**
one who laughs, allusion not explained, perhaps referring to tusk-like teeth protruding below flaring upper lip of *Garmannia binghami* (=*R. ruber*)

***Risor ruber* (Rosén 1911)**
red, referring to its brownish-red coloration

***Robinsichthys* Birdsong 1988**
in honor of C. Richard Robins (1928-2020), for his many contributions to our knowledge of American gobies; *ichthys*, fish

***Robinsichthys arrowsmithensis* Birdsong 1988**
-*ensis*, suffix denoting place: Arrowsmith Bank, Caribbean Sea, type locality

***Robinsichthys nigrimarginatus* Tornabene, Manning, Robertson, Van Tassell & Baldwin 2022**
nigro-, black; *marginatus*, bordered referring to black margins on dorsal and caudal fins

***Schindleria* Giltay 1934**
-*ia*, belonging to: German zoologist Otto Schindler (1906-1959), who described the first two species in the genus

***Schindleria brevipinguis* Watson & Walker 2004**
brevis, short, referring to its size, reaching 8.4 mm SL, believed at the time to be the world's smallest vertebrate; *pinguis*, stout, referring to deeper, broader body compared to congeners

***Schindleria edentata* Ahnelt, Robitzch & Abu El-Regal 2022**
e-, without; *dentatus*, toothed, referring to absence of teeth in both jaws

***Schindleria elongata* Fricke & Abu El-Regal 2017**
elongate, referring to more slender body compared to the closely related *S. brevipinguis*

***Schindleria macrodentata* Ahnelt & Sauberer 2018**
macro-, large; *dentata*, toothed, referring to large, widely spaced teeth in upper and lower jaws (7 on premaxilla and 6 on dentary)

***Schindleria multidentata* Ahnelt 2020**
multi-, many; *dentata*, toothed, referring to numerous tiny and densely set teeth in upper and lower jaws

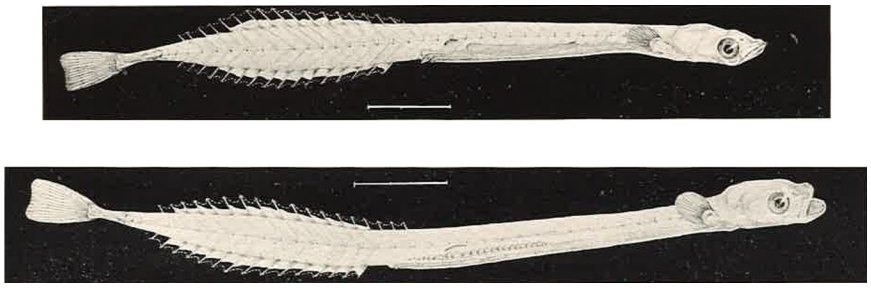
***Schindleria nana* Ahnelt, Macek & Robitzch 2024**
Latin for dwarf (adjective), referring to its small size (<13 mm TL)

***Schindleria nigropunctata* Fricke & Abu El-Regal 2017**
niger, black; *punctatus*, spotted, referring to black melanophores on body

***Schindleria parva* El-Regal, El-Sherbiny, Gabr & Fricke 2021**
small; at 11.9 mm TL, probably the smallest *Schindleria* species in the Red Sea

***Schindleria pietschmanni* (Schindler 1931)**
in honor of ichthyologist Viktor Pietschmann (1881-1956), who collected type

***Schindleria praematura* (Schindler 1930)**
premature, a neotenic fish, presumed to be a sexually mature larval halfbeak (Beloniformes: Hemiramphidae) at time of description



First-published images of *Schindleria praematura*, male above, female below. From: Schindler, O. 1932. Sexually mature larval Hemirhamphidae from the Hawaiian Islands. *Bulletin of the Bernice P. Bishop Museum* No. 97: 1-28, Pls. 1-10.

Schindleria qizma **Ahnelt, Macek & Robitzch 2023**
from the Arabic word *qizm*, dwarf, reflecting its occurrence in the Red Sea of Saudi Arabia and referring its very small size (up to 10.9 mm SL)

Schindleria squirei **Robitzch, Landaeta & Ahnelt 2023**
in honor of Chris Squire (1948-2015), a musician, singer and songwriter who composed the song "The Fish (*Schindleria praematurus*)" from the 1971 album *Fragile* of the progressive rock band Yes

Signigobius **Hoese & Allen 1977**
signus, mark, referring to distinctive ocellated spot on both dorsal fins; *gobius*, goby

Signigobius biocellatus **Hoese & Allen 1977**
bi-, two; *ocellatus*, eye-spotted, referring to distinctive ocellated spot on both dorsal fins

Silhouettea **Smith 1959**
-ea, adjectival suffix: Silhouette, Seychelles, western Indian Ocean, locality of type species, *S. insinuans*

Silhouettea aegyptia **(Chabanaud 1933)**
Egyptian, referring to Lake Timsah, Suez Canal, Egypt, type locality

Silhouettea capitlineata **Randall 2008**
capit, head; *lineata*, lined, referring to four dark lines that extend ventrally from eye

Silhouettea dotui **(Takagi 1957)**
in honor of Yosie Dôtu (also spelled Yoshie Dotsu, see *Dotsugobius*), Fisheries Laboratory, Kyushu University, "ardent contributor to the goby life-history," who collected type

Silhouettea evanida **Larson & Miller 1986**
disappearing or vanishing, referring to how it rapidly conceals itself in mud flats when alarmed

Silhouettea flavoventris **(Herre 1927)**
flavus, yellow; *ventris*, belly, referring to "butter yellow" on belly and lower part of sides in alcohol

Silhouettea ghazalae **Kovačić, Sadeghi & Esmaeili 2020**
in honor of Ghazal, daughter of the third author

Silhouettea hoesei **Larson & Miller 1986**
in honor of ichthyologist Douglass F. Hoese (b. 1942), Australian Museum (Sydney), for his work on the systematics of Indo-Pacific gobies

Silhouettea indica **Visweswara Rao 1971**
-ica, belonging to: India, representing an Indian species of a genus previously known only from Africa

Silhouettea insinuans **Smith 1959**
penetrating, allusion not explained, perhaps referring to its living in sand

Silhouettea nuchipunctata **(Herre 1934)**
nuchi-, nuchal; *punctatus*, spotted, referring to conspicuous milk-white nuchal spot

Silhouettea sibayi **Farquharson 1970**
named for Lake Sibayi (also spelled Sibhayi), east coast of South Africa, where it is endemic

Stonogobiops **Polunin & Lubbock 1977**
stonyx, sharp point, referring to large vomerine teeth of *S. dracula*; *gobius*, goby and *ops*, appearance

Stonogobiops dracula **Polunin & Lubbock 1977**
named for Bram Stoker's fictional vampire Count Dracula, who was endowed with peculiarly sharp white teeth,

not unlike this species

***Stonogobiops larsonae* (Allen 1999)**
in honor of Helen Larson, Curator of Fishes, Museum and Art Gallery of the Northern Territory (Darwin, Australia), for her work in gobiid taxonomy

***Stonogobiops medon* Hoese & Randall 1982**
Greek for guard or sentinel, referring to symbiotic role of this (and other) shrimp-associated gobies, which protect the burrow both the goby and 1-2 alpheid shrimps inhabit

***Stonogobiops nematodes* Hoese & Randall 1982**
-*oides*, having the form of: *nemato*, thread, i.e., thread-like or filamentous, referring to long black filament on first dorsal fin

***Stonogobiops pentafasciatus* Iwata & Hirata 1994**
penta-, five; *fasciata*, banded, referring to five black bars on head and body

***Stonogobiops xanthorhinicus* Hoese & Randall 1982**
xanthos, yellow; *rhinos*, snout, referring to bright-yellow color of anterior part of head, including most of snout

***Stonogobiops yasha* Yoshino & Shimada 2001**
yasha, a traditional female devil in Japan, having a long pair of canines on upper jaw, referring to this goby's large prevomerine teeth

***Sueviota* Winterbottom & Hoese 1988**
Sue, in honor of Susan Jewett (formerly Karnella, b. 1945), Collection Manager, Division of Fishes, Smithsonian Institution, who co-authored the descriptions of several new species of *Eviota*, to which this genus is most closely related (pronounced "*Sue-viota*")

***Sueviota aethon* Nunes Peinemann, Pombo-Ayora & Tornabene 2024**
named for Aethon, one of the four horses that pulled the chariot of the sun god Helios across the sky, described as most similar to *S. aethon*, named after a different horse of Helios

***Sueviota aprica* Winterbottom & Hoese 1988**
sunny, referring to eye-sized, brick-red, round spot on occipital region, reminiscent of the setting sun

***Sueviota atrinasa* Winterbottom & Hoese 1988**
ater, black; *nasus*, nose, referring to jet-black anterior nasal tubes

***Sueviota bryozophila* Allen, Erdmann & Cahyani 2016**
philios, loving, referring to its association with bryozoan colonies

***Sueviota lachneri* Winterbottom & Hoese 1988**
in honor of Ernest A. Lachner (1916-1996), curator of fishes at the U.S. National Museum, for his work on Indo-Pacific gobiids, "which has resulted in small pockets of order in the chaotic systematic morass generally prevalent in this group"

***Sueviota larsonae* Winterbottom & Hoese 1988**
in honor of Helen Larson, Curator of Fishes, Museum and Art Gallery of the Northern Territory (Darwin, Australia), for her contributions to the systematics of gobioid fishes

***Sueviota minersorum* Greenfield, Erdman & Utama 2019**
-*orum*, commemorative suffix, plural: in honor of Andrew and Marit Miners, who "founded the Misool EcoResort in Raja Ampat Islands and whose superlative efforts in conservation and sustainable economic development in the region have dramatically improved the health and biomass of the thriving reefs" where this goby was discovered

***Sueviota pyrios* Greenfield & Randall 2017**
named for *Pyrios*, one of the four horses that pulled the chariot of the sun god Helios across the sky, referring to this goby's orange-red coloration [see also *S. aethon*]

***Sueviota tubicola* Allen & Erdmann 2017**
-*cola*, dweller or inhabitant, referring to its association with worm tubes

***Sufflogobius* Smith 1956**
sufflatus, puffed up or inflated, referring to its ability to inflate its body cavity with air and/or water, apparently the first case of self-inflation in fishes of this type; *gobius*, goby

***Sufflogobius bibarbatus* (von Bonde 1923)**
bi-, two; *barbatus*, bearded, referring to single barbel on each side of chin near symphysis of mandibles

***Thorogobius* Miller 1969**
Thor, Danish research vessel, on whose 1910 cruise a unique Mediterranean specimen of *Gobius thori* (=*T. ephippiatus*) was secured; *gobius*, goby

***Thorogobius alvheimi* Sauberer, Iwamoto & Ahnelt 2018**
in honor of Oddgeir Alvheim (b. 1944), Institute of Marine Research (Bergen, Norway), for his many photographic contributions to the FAO Species Identification Guides and for his assistance and advice to the second author during three surveys aboard the R/V *Dr. Fridtjof Nansen*, during which type was collected in 2005

***Thorogobius angolensis* (Norman 1935)**
-*ensis*, suffix denoting place: off the coast of Angola, type locality (occurs in eastern Atlantic from Senegal to Angola)

***Thorogobius ephippiatus* (Lowe 1839)**
saddled, presumably referring to a row of "rich brown patches along the sides"

***Thorogobius laureatus* Sauberer, Iwamoto & Ahnelt 2018**
crowned with a laurel, referring to shape of scaled areas in predorsal region

***Thorogobius macrolepis* (Kolombatović 1891)**
macro-, large; *lepis*, scale, allusion not explained, perhaps referring to its relatively large scales (27-28 along lateral line) for a Mediterranean goby

***Thorogobius rofeni* Miller 1988**
in honor of ichthyologist Robert R. Rofen (formerly Harry, 1925-2015), for his work on the systematics of both gobioid and deep-sea fishes, including earlier examination of the type material

***Tigrigobius* Fowler 1931**
tigris, tiger, allusion not explained, probably referring to dark, "strong contrasted cross bands" on body (reminiscent of tiger stripes) and/or large canine teeth of *T. macrodon*; *gobius*, goby

***Tigrigobius digueti* (Pellegrin 1901)**
in honor of Léon Diguet (1859-1926), French chemist, naturalist and explorer, who collected specimens in México (including type of this one) for the Muséum national d'Histoire naturelle (Paris)

***Tigrigobius dilepis* (Robins & Böhlke 1964)**
di-, two; *lepis*, scale, referring to two scales on each side of caudal-fin base

***Tigrigobius gemmatus* (Ginsburg 1939)**
jeweled, referring to a very small and elongate spot, "set like a jewel," in every ray joint in a large median area near base of caudal fin

***Tigrigobius harveyi* Victor 2014**
in honor of Jamaican marine wildlife artist Guy Harvey (b. 1955), for his "extensive support" for research and conservation of sharks and gamefishes in the Cayman Islands; he established the Guy Harvey Research Institute at Nova Southeastern University in Fort Lauderdale (Florida, USA), and the Guy Harvey Ocean Foundation

***Tigrigobius inornatus* (Bussing 1990)**
unadorned, referring to absence of crossbars on body, unlike the barred *T. nesiotes*

***Tigrigobius janssi* (Bussing 1981)**
in honor of real estate developer and recreational diver Edwin Janss, Jr. (1915-1989), for supporting and encouraging research in marine sciences; all (then) known specimens of this goby were collected from the R/V *Searcher* of the Janss Foundation

***Tigrigobius limbaughi* (Hoese & Reader 2001)**
in honor of zoologist, diver and underwater photographer Conrad Limbaugh (1925-1960), for his "pioneering" 1961 work on the symbiotic cleaning behavior of marine organisms (like this goby) [authors give forename as "Clyde"; he died after losing his way while diving in the labyrinth of an underground river in France]

***Tigrigobius macrodon* (Beebe & Tee-Van 1928)**
macro-, large; *odon*, tooth, referring to pair of large canines in both jaws

***Tigrigobius multifasciatus* (Steindachner 1876)**
multi-, many; *fasciatus*, banded, referring to 16-17 bright green, sharply demarcated transverse bands on sides separated from each other by narrow, white stripes

***Tigrigobius nesiotes* (Bussing 1990)**
islander, known only from Galápagos Islands, Cocos Island and Gorgona Island

***Tigrigobius pallens* (Ginsburg 1939)**
pallid, referring to its light yellowish color, paler than the similar *T. macrodon*

***Tigrigobius panamensis* (Victor 2014)**
-*ensis*, suffix denoting place: Panama, type locality (but known range extends eastward to Colombia and westward to the Costa Rican border)

***Tigrigobius redimiculus* (Taylor & Akins 2007)**
a ribbon that is sometimes attached to side of headdress then passed over shoulders to drape across each side of breast, or decoratively woven or plaited into hair, referring to reddish-orange bands or "ribbons" that drape down across nape and anterior trunk

***Tigrigobius rubrigenis* (Victor 2010)**
ruber, red; *genis*, cheek, referring to distinctive red stripe on cheek

***Tigrigobius saucrus* (Robins 1960)**
saucra, Greek for graceful or pretty, described as a "strikingly spotted species"

***Tigrigobius zebrellus* (Robins 1958)**
diminutive of zebra, referring to its banded color pattern

***Tomiyamichthys* Smith 1956**
in honor of ichthyologist Itiro (sometimes spelled Ichiro) Tomiyama (1906-1981), Tokyo Imperial University, who described type species, *T. oni,* in 1936; *ichthys*, fish

***Tomiyamichthys alleni* Iwata, Ohnishi & Hirata 2000**
in honor of ichthyologist Gerald R. Allen (b. 1942), Western Australia Museum (Perth), "in grateful thanks for his considerable assistance in the study of gobioid fishes, given to the senior author"

***Tomiyamichthys dorsostigma* Bogorodsky, Kovačić & Randall 2011**
dorso-, back; *stigma*, mark, referring to distinctive black-and-white spot distally on third membrane of first dorsal fin

***Tomiyamichthys elliotensis* Allen, Erdmann & Dudgeon 2023**
-*ensis*, Latin suffix denoting place: Lady Elliot Island, Great Barrier Reef, Queensland, Australia, type locality

***Tomiyamichthys emilyae* Allen, Erdmann & Utama 2019**
in honor of Canadian diver Emily Irving, who has accompanied and assisted the authors on numerous ichthyological expeditions and is a dedicated supporter of marine conservation and exploration efforts worldwide; she also co-sponsored expedition during which type was collected

***Tomiyamichthys eyreae* Allen, Erdmann & Mongdong 2020**
in honor of Janet Van Sickle Eyre (b. 1955), diver and volunteer (Reef Environmental Education Foundation), whose efforts led to the discovery and description of this goby, and whose "excellent" underwater survey and observational skills have "greatly added to our knowledge of coral reef fish distribution"

***Tomiyamichthys fourmanoiri* (Smith 1956)**
in honor of Pierre Fourmanoir (1924-2007), FAO Regional Fisheries Officer, Madagascar, "who found this fish"

***Tomiyamichthys gomezi* Allen & Erdmann 2012**
in honor of Edgardo D. Gomez (b. 1938), former Director of the Marine Sciences Institute, University of the Philippines, for his numerous and invaluable contributions to the advancement of marine science

***Tomiyamichthys hyacinthinus* Sato & Motomura 2025**
Latin for "of the hyacinth," referring to pale, black-edged blotch on membrane margin between fourth and fifth spines of first dorsal fin, which resembles the color of the hyacinth flower (Masayuki Sato, pers. comm.)

Tomiyamichthys praealta. From: Lachner, E. A. and J. F. McKinney. 1981. A new fish species of the genus *Vanderhorstia* (Teleostei: Gobiidae) from the Amirante Islands, Indian Ocean. *Proceedings of the Biological Society of Washington* v. 93 (no. 4) (for 1980): 963-970.

***Tomiyamichthys lanceolatus* (Yanagisawa 1978)**
referring to symmetrically lanceolate caudal fin, longer than head

***Tomiyamichthys latruncularius* (Klausewitz 1974)**
chessboard, referring to checkered pattern on first dorsal fin

***Tomiyamichthys levisquama* Hoese, Shibukawa & Johnson 2016**
levis, smooth; *squama*, scale, referring to its cycloid scales (some congeners have ctenoid scales)

***Tomiyamichthys nudus* Allen & Erdmann 2012**
bare or naked, referring to its lack of scales

***Tomiyamichthys oni* (Tomiyama 1936)**
from its Japanese name, *Oni-haze* (*haze*=goby)

***Tomiyamichthys praealta* (Lachner & McKinney 1981)**
very high, referring to "unusually" long first four elements of spinous (first) dorsal fin

***Tomiyamichthys reticulatus* Greenfield 2017**
net-like, referring to many oblong orange spots encircled with white lines forming a reticulated pattern on first dorsal fin

***Tomiyamichthys russus* (Cantor 1849)**
red, presumably referring to its "[f]lesh or pale salmon-coloured" body

***Tomiyamichthys smithi* (Chen & Fang 2003)**
in honor of J. L. B. Smith (1897-1968), for describing *Flabelligobius* (original genus, now a junior synonym of *Tomiyamichthys*) and his "great ichthyological achievements for the Southern Hemisphere"

***Tomiyamichthys stuarti* Allen, Erdmann & Brooks 2018**
in honor of Stuart Mathews Brooks, the third author's son (see also *Gobiopsis jackbrooksi* and *Priolepis billbrooksi*)

***Tomiyamichthys tanyspilus* Randall & Chen 2007**
tany, long; *spilus*, spot, referring to elongate shape of its five midlateral dark-brown spots

***Tomiyamichthys zonatus* Allen 2015**
belted or girdled, referring to diagnostic brown bars on ventral body of males

***Trimma* Jordan & Seale 1906**
anything rubbed or crushed, allusion not explained, perhaps referring to "firmer" texture and/or "less translucent" color compared to the similar *Eviota*

***Trimma abyssum* Allen 2015**
the deep sea, referring to its unusually deep habitat (107 m) in comparison with most gobiid fishes

***Trimma agrena* Winterbottom & Chen 2004**
agrenon, Greek for net, referring to mesh-like pattern on body formed by strongly outlined scale pockets

***Trimma albicaudatum* Wada, Takase & Senou 2022**
albus, white; *caudatum*, tailed, referring to distinctive white coloration of caudal peduncle and caudal fin in life

***Trimma anaima* Winterbottom 2000**
bloodless, pale or anemic, referring to its "pale, almost washed-out" coloration

***Trimma annosum* Winterbottom 2003**
full of years, long lived or aged, referring to its plain gray cheeks, reminiscent of some elderly, bearded human males

***Trimma anthrenum* Winterbottom 2006**
wild bee, wasp or hornet, a "perhaps fanciful allusion" to the aposematic coloration of yellow with black stripes (at bases of dorsal and anal fins)

***Trimma aturirii* Winterbottom, Erdmann & Cahyani 2015**
in honor of Abraham Atururi (b. 1950), Governor of West Papua province from 2006-2016, for his "energetic efforts to ensure the conservation and wise, sustainable use of the hugely diverse coral reefs of the Bird's Head Seascape [where this goby occurs] for the benefit of the Papuan people" [note: since the authors consistently misspelled the Governor's name as "Aturiri," it does not represent a typo or printer's error and therefore cannot be corrected]

***Trimma avidori* (Goren 1978)**
in honor of ichthyologist A. Avidor, Tel Aviv University, who collected type

***Trimma barralli* Winterbottom 1995**
in honor of Glen E. Barrall, dive master and underwater photographer "par excellance," who provided Winterbottom with many "superb" slides of species of *Trimma* in their natural habitat, including those used in the description of

this one

***Trimma bathum* Winterbottom 2017**
latinization of the Greek *bathos*, deep or deep water, referring to depth at which it was collected (50-90 m)

***Trimma benjamini* Winterbottom 1996**
in honor of Peter Benjamin of Benjamin Film Laboratory (Toronto), who provided Winterbottom with free 35mm film and processing over the past two decades and who has participated in several collecting expeditions

***Trimma berumeni* Peinemann, Pombo-Ayora, Rich, Fox & Coker 2025**
in honor of Michael L. Berumen, King Abdullah University of Science and Technology (Saudi Arabia), for his "substantial" contributions to our understanding of the ecology and biodiversity of Red Sea coral reefs

***Trimma bisella* Winterbottom 2000**
bi-, two; *sella*, saddle, referring to two white saddle-like markings on dorsal and ventral margins of caudal peduncle

***Trimma blematium* Winterbottom & Erdmann 2018**
ble, blue; *matium*, eyed, referring to distinctive blue dorsal surfaces of its eyes

***Trimma burridgeae* Winterbottom 2016**
in honor of Mary Elizabeth Burridge, for her extensive work in revising the genus *Priolepis*, her ongoing work on barcoding *Trimma* spp., her field work collecting fishes in the Philippines and Viêt Nam, and her extensive contributions to the maintenance of the fish and frozen tissue collections at the Royal Ontario Museum

***Trimma caesiura* Jordan & Seale 1906**
caesius, bluish-gray; *ouros*, tail, referring to gray spot on back of caudal fin

***Trimma cana* Winterbottom 2004**
latinization of first three letters of both the Anglo-Saxon words *candy* and *cane*, referring to its candy cane-like red bands on a white body

***Trimma capostriatum* (Goren 1981)**
caputus, head; *striatus*, striped, referring to alternating red and charcoal-blue stripes on head

***Trimma caudipunctatum* Suzuki & Senou 2009**
cauda-, tail; *punctatum*, spotted, referring to "distinctive polka dots" on caudal fin

***Trimma caudomaculatum* Yoshino & Araga 1975**
caudo-, tail; *maculatum*, spotted, referring to darkish red blotch at caudal base

***Trimma cavicapum* Winterbottom, Brighton & Mason-Parker 2024**
an "arbitrary combination of letters": *ca-*, from *caeruleus*, dark blue (but used here to mean blue in general), *virgatus*, made of twigs (but often used to mean striped or streaked), and *caput*, head, referring to three bright-blue stripes on head

***Trimma cheni* Winterbottom 2011**
in honor of I.-Shiung Chen, National Taiwan Ocean University, for his numerous publications on Indo-Pacific reef fishes in general, and gobies in particular

***Trimma chledophilum* Allen 2015**
chledos, mud; *phileo*, loving, referring to its predilection for mud-bottom habitats, which is unusual for *Trimma*, which are more commonly found on coral reefs

***Trimma citrum* Winterbottom & Pyle 2022**
Latin for the color of the fruit of the lemon tree *Citrus limon*, referring to this goby's lemon-yellow body

***Trimma corallinum* (Smith 1959)**
etymology not explained, perhaps referring to its occurrence on and/or similar color as coralline (red) algae

***Trimma corerefum* Winterbottom 2016**
arbitrary combination of letters (pronounced "*core-ref-um*") reflecting the Coral Reef Research Foundation in Palau; "This organization, established and operated by Pat and Lori Colin, has not only spearheaded marine research in Palau through the efforts of its founders, but has also provided laboratory and research facilities while acting as a home away from home for innumerable scientists working on marine organisms of the Palauan Islands for almost a quarter of a century."

***Trimma dalerocheila* Winterbottom 1984**
daleros, hot or fiery; *cheilos*, lip, referring to fiery red snout and lips; name also alludes to Ms. Holly Arnold, who helped collect type, and who, in the "male dominated" society of the Chagos Arhipelago (type locality), was called a "scarcely appropriate nickname" ("Holly Hotlips," Richard Winterbottom, pers. comm.)

***Trimma emeryi* Winterbottom 1985**
in honor of Alan Roy Emery (b. 1939), Curator, Ichthyology and Herpetology, Royal Ontario Museum, "friend colleague, and diving buddy, in memory of our expeditions to the Indo-Pacific"

Trimma erdmanni **Winterbottom 2011**
in honor of marine biologist Mark V. Erdmann (b. 1968), for his "deep interest in *Trimma* (and other fishes, of course), his enthusiastic collection and documentation of specimens of this genus for the present author's research program, his friendship, and for the superb job he does for Conservation International's Indonesian Marine Program"

Trimma erwani **Viviani, Williams & Planes 2016**
in honor of evolutionary biologist and diver Erwan Delrieu-Trottin, who helped collect type in the Marquesas (as well as on other French Polynesia expeditions), and who worked late into the night with Williams taking tissue samples and processing specimens

Trimma fangi **Winterbottom & Chen 2004**
in honor of Lee-Shing Fang (b. 1951), head of the National Museum of Marine Biology and Aquarium (Ping Tung, Taiwan), for his "enthusiastic support of the second author's current research program"

Trimma fasciatum **Suzuki, Sakaue & Senou 2012**
banded, referring to four broad bright yellow bands on body

Trimma filamentosus **Winterbottom 1995**
filament, i.e., a "fine untwisted thread," referring to elongate second spine of first dorsal fin

Trimma finistrinum **Winterbottom 2017**
porthole, referring to lines of yellow spots along sides, reminiscent of lighted portholes of an ocean liner at night

Trimma fishelsoni **Goren 1985**
in honor of ecologist and marine biologist Lev Fishelson (1923-2013), Tel-Aviv University, for his "tremendous" contribution to our knowledge of the fauna of the Red Sea, where this goby is endemic

Trimma flammeum **(Smith 1959)**
bright red or burning, referring to its red coloration in life

Trimma flavatrum **Hagiwara & Winterbottom 2007**
flavus, yellow; *atrum*, black, referring to its "unusual" yellow-and-black coloration in life: dark-yellow to yellowish-brown body that gradually darkens posteriorly, a dark-brown to black caudal peduncle, and yellow to orange median fins (except caudal) with a dark or black basal stripe formed by melanophores with scattered iridocytes

Trimma flavicaudatum **(Goren 1982)**
flavus, yellow; *caudatum*, tailed, referring to its yellow caudal peduncle and caudal fin

Trimma fraena **Winterbottom 1984**
fraenum, bridle, rein or bit, a "term used in goby systematics for the membrane that interconnects the tips of the pelvic spines across the midline to help create the sucking disk found in many gobiid fishes"; this species is the only known *Trimma* (at time of description) to possess this structure

Trimma fucatum **Winterbottom & Southcott 2007**
painted, colored or rouged, referring to red markings on and around preopercle (and suggesting its provocative common name, Harlot Pygmy Goby, a harlot being a Middle English word for prostitute or promiscuous woman, drawing a descriptive parallel between the goby's red markings and the over-abundance of red facial make-up that some prostitutes apply to make themselves more attractive or to announce their availability to potential clients)

Trimma gigantum **Winterbottom & Zur 2007**
giant, referring to its extremely large size (for a pygmy goby), up to 29.9 mm SL

Trimma grammistes **(Tomiyama 1936)**
lined, presumably referring to its longitudinal dark bands, one across eye extending along upper body, and a narrower band from upper orbital margin to soft dorsal fin

Trimma griffithsi **Winterbottom 1984**
in honor of Major John D. Griffiths, Royal Signals, leader of the 1978-1979 British Armed Forces Chagos Expedition, whose "leadership and hard work resulted in a highly successful expedition" during which type was collected

Trimma habrum **Winterbottom 2011**
delicate, dainty or graceful, referring to the "soft and delicate shades" of color of freshly collected specimens

Trimma haima **Winterbottom 1984**
Greek for a stream of blood, referring to three blood-red vertical bars on head

Trimma haimassum **Winterbottom 2011**
from the Greek *haimasso*, stained with blood, referring to blood-red spot above posterior end of opercle in live and fresh specimens

Trimma halonevum **Winterbottom 2000**
derived from *halo nevus*, a skin condition characterized by pale spots with a red center, referring to similar spots

on its body

***Trimma hamartium* Winterbottom 2018**
Greek for a mistake or error in judgment, referring to Winterbottom's error in not recognizing the differences between this species and *T. preclarum* when describing the latter

***Trimma hayashii* Hagiwara & Winterbottom 2007**
in honor of Masayoshi Hayashi, Curator, Yokosuka City Museum, who referred to it as an undescribed species in 1997 and provided a photograph of holotype for the description

***Trimma helenae* Winterbottom, Erdmann & Cahyani 2014**
in honor of Helen Newman (d. 2014), one of the founders of Sea Sanctuaries Trust, and leader of the survey that led to the discovery of this goby, for her tireless conservation efforts over the past decade on behalf of Raja Ampat and its indigenous communities

***Trimma hoesei* Winterbottom 1984**
in honor of ichthyologist Douglass F. Hoese (b. 1942), Australian Museum (Sydney), who generously shared his extensive knowledge of gobioid fishes with Winterbottom during field trips, museum visits, and by correspondence, and whose input has frequently saved Winterbottom from making "glaring errors"

***Trimma hollemani* Winterbottom 2016**
in honor of Wouter Holleman, South African Institute for Aquatic Biodiversity, "friend, diving partner, collector extraordinaire, and processor of fishes both small and large on my expeditions for too many decades to detail. He is also a world expert on the systematics of tripterygiid and clinid fishes."

***Trimma hotsarihiense* Winterbottom 2009**
-*ensis*, suffix denoting place: Hotsarihie, local Tobian name for Helen Reef, only know area of occurrence, in appreciation of the support of the Helen Reef Resource Management Project and the friendliness and helpfulness of the people of Tobi and of Palau in general; Hotsarihie means "reef of the giant clams" and is pronounced "*jo-cha-reehee*"

***Trimma imaii* Suzuki & Senou 2009**
in honor of Keisuke Imai, volunteer, Fish Division, Kanagawa Prefectural Museum of Natural History (Kanagawa, Japan), who collected type

***Trimma insularum* Winterbottom & Hoese 2015**
of an island, referring to its distribution, which is apparently confined to the Cocos (Keeling) Islands

***Trimma irinae* Winterbottom 2014**
in honor of Winterbottom's wife, Irina, as a small token of his appreciation and gratitude for her patience and forbearance of what she once referred to as his "magnificent obsession" with coral reef fishes

***Trimma kalum* Winterbottom 2020**
kalos, Greek for beautiful, referring to its "delicate" yellow coloration

***Trimma kardium* Winterbottom, Erdmann & Cahyani 2015**
heart, referring to two ovoid red spots that are joined anteriorly on ventral surface of head, which have an "admittedly tenuous stereotypical resemblance" to a heart when viewed from below

***Trimma kitrinum* Winterbottom & Hoese 2015**
citron-yellow or of citron, referring to its distinctive yellow caudal fin

***Trimma kudoi* Suzuki & Senou 2008**
in honor of Takahiro Kudo, Kanagawa Prefectural Fisheries Technology, who helped collect and supplied type

***Trimma lantana* Winterbottom & Villa 2003**
named for the ubiquitous tropical plant *Lantana*, the inflorescences of which are a varying assortment of yellow, orange, purple, and reddish-pink flowers, alluding to the colorful nature of this goby and the rounded blotches on its head

***Trimma longispinum* Winterbottom 2023**
longus, long or extended; *spinum*, spined, artificially derived adjective from the noun *spina*, referring to elongated second spine of first dorsal fin

***Trimma lutea* Viviani, Williams & Planes 2016**
yellow, referring to yellow bars on body

***Trimma macrophthalmus* (Tomiyama 1936)**
macro-, large; *ophthalmus*, eye, presumably referring to size of eye, a little shorter than half length of head [treated as an adjective, *macropthalmum* and *macropthalma*, by some workers but Tomiyama apparently intended it as a noun]

***Trimma maiandros* Hoese, Winterbottom & Reader 2011**
named for the Greek god of the winding Meander River in Phrygia (now the Büyük Menderes River in Turkey),

and origin of the Anglo-Saxon word *meander* (a winding or crooked course), referring to zigzag pattern of gray-to-blue lines on body

***Trimma marinae* Winterbottom 2005**
named after Marina, one of many names attributed to Aphrodite (Goddess of the Sea), whose legendary beauty is reminiscent of this "gorgeous little species"; it is also, coincidentally, the name of Winterbottom's daughter, "whose cheerful assistance in collecting and documenting coral reef fishes for my research program is much appreciated"

***Trimma matsunoi* Suzuki, Sakaue & Senou 2012**
in honor of Kazushi Matsuno, AQUAS Kashiwajima Diving Service (Kochi, Japan), who discovered this goby

***Trimma meityae* Winterbottom & Erdmann 2018**
in honor of Meity Mongdong, "one of Indonesia's foremost marine conservationists, who has dedicated the past several decades of her career towards expanding and improving the management of marine protected areas in West Papua, including the Cendrawasih Bay National Park," where this goby is found

***Trimma mendelssohni* (Goren 1978)**
in honor of Heinrich Mendelssohn (1910-2002), Tel Aviv University, for his "invaluable" contributions to zoological research and nature conservation in Israel

***Trimma meranyx* Winterbottom, Erdmann & Cahyani 2014**
mera, day; *nyx*, night, referring to unique coloration of a black peduncle with twin "suns" (large white spots) dorsally and ventrally

***Trimma meristum* Winterbottom & Hoese 2015**
meristos, Greek for divided, referring to two dichotomous branches in the fifth pelvic-fin ray resulting in four terminal tips, a diagnostic character for this species

***Trimma milta* Winterbottom 2002**
from the Greek *miltos*, red earth, referring to predominant ground and topsoil color of type locality (Moorea, Society Islands)

***Trimma multiclitellum* Allen 2015**
multi-, many; *clitella*, saddle, referring to seven alternating dark-brown and chalk-white bars on upper half of body

***Trimma nasa* Winterbottom 2005**
derived from the Anglo-Saxon *nasal*, a bar descending from front of many medieval helmets to protect the nose of the wearer, referring to stripe on snout

***Trimma nauagium* Allen 2015**
Greek for shipwreck, known only from the outer hull of the *Muscoota*, a World War II shipwreck at Waga Waga in Milne Bay, Papua New Guinea

***Trimma naudei* Smith 1957**
in honor of physicist Stefan Meiring Naudé (1905-1985), President of the South African Council for Scientific and Industrial Research

***Trimma necopinum* (Whitley 1959)**
unexpected, allusion not explained nor evident

***Trimma nomurai* Suzuki & Senou 2007**
in honor of Tomoyuki Nomura, volunteer, Fish Division, Kanagawa Prefectural Museum of Natural History (Kanagawa, Japan), who collected and provided type

***Trimma novemstriatum* Harefa & Chen 2025**
novem (L.), nine; *striatum* (L.), grooved or furrowed (i.e., striped), referring to nine vertical stripes along mid-side of body

***Trimma nubarum* Winterbottom, Bogorodsky & Alpermann 2023**
-um, adjectival suffix (neuter): combination of the first three letters of the Nubian and the first two letters of the Arabian continental plates ("nubar") whose divergence forms the great rift of which the Red Sea (where this goby occurs) is a part

***Trimma okinawae* (Aoyagi 1949)**
of the Okinawa Islands of Japan, type locality

***Trimma omanense* Winterbottom 2000**
-ensis, suffix denoting place: Gulf of Oman, only known area of occurrence

***Trimma pajama* Winterbottom, Erdmann & Cahyani 2014**
loose clothing worn when retiring for the night, referring to contrasting stripes so common in at least the British version of that garment

***Trimma pamae* Allen, Erdmann, Brooks & Gudgeon 2025**
in memory of Pamela Rorke Levy (1956–2024), late wife and companion of the third author and an active diving member of the initial expedition that uncovered this species

***Trimma panemorfum* Winterbottom & Pyle 2022**
Greek for beautiful, exquisite, or sublime, referring to its attractive color pattern

***Trimma papayum* Winterbottom 2011**
latinization of papaya, a tropical tree whose fruit has orange flesh and small black seeds, referring to overall coloration and small black spot or spots on first dorsal fin

***Trimma pentherum* Winterbottom & Hoese 2015**
of mourning, a "perhaps far-fetched allusion to the black bar on the pectoral-fin base which, with considerable imagination, could be viewed as analogous to the black arm band worn in certain cultures to signify the death of a close friend or relative"

***Trimma preclarum* Winterbottom 2006**
splendid or very beautiful, referring to its "wonderful" coloration when alive, especially its multi-hued iris

***Trimma putrai* Winterbottom, Edrmann & Mambrasar 2019**
in honor of Ketut Sarjana Putra, head of Conservation International Indonesia and "one of Indonesia's foremost marine conservationists"; his "work over the past three decades has ranged from sea-turtle conservation to pioneering large-scale marine-protected-area network development, and has focused on both the Lesser Sunda Islands and West Papua—precisely the range of this new species"

***Trimma quadrimaculatum* Hoese, Bogorodsky & Mal 2015**
quadrus, four fold; *maculatus*, spotted, referring to four prominent subcutaneous spots above anal fin and ventral caudal peduncle

***Trimma randalli* Winterbottom & Zur 2007**
in honor of John E. Randall (1924-2020), Bishop Museum (Honolulu), "guru of the alpha-taxonomy of Indo-Pacific marine fishes," who first brought specimens of this species to the authors' attention, and who has made a special effort to collect and photograph *Trimma* for the senior author's research program

***Trimma readerae* Winterbottom & Hoese 2015**
in honor of Sally Reader, Australian Museum (Sydney), for the many years she has spent painstakingly gathering, analyzing and documenting data on *Trimma* for Hoese's research program

***Trimma rubromaculatum* Allen & Munday 1995**
rubro-, red; *maculatus*, spotted, referring to deep-red spots on head, nape and sides of living specimens

***Trimma sanguinellum* Winterbottom & Southcott 2007**
diminutive of *sanguis*, i.e., "little blood," and root of the Spanish *sanguinello*, a variety of blood orange, whose red-suffused flesh resembles this goby's unusual body color

***Trimma sheppardi* Winterbottom 1984**
in honor of ecologist Charles R. C. Sheppard (b. 1949), scientific leader on the Chagos Expedition during which type was collected, for his many efforts to ensure the participating scientists had everything they needed [note: Winterbottom incorrectly gave Sheppard's middle initial as "S."]

***Trimma sostra* Winterbottom 2004**
derivation of Sostratus, the Cnidian designer and builder of the Lighthouse of Alexandria (ca. 350 BC, one of the seven wonders of the ancient world), referring to its red and white bars, which are reminiscent of the colors of many 20th-century lighthouses

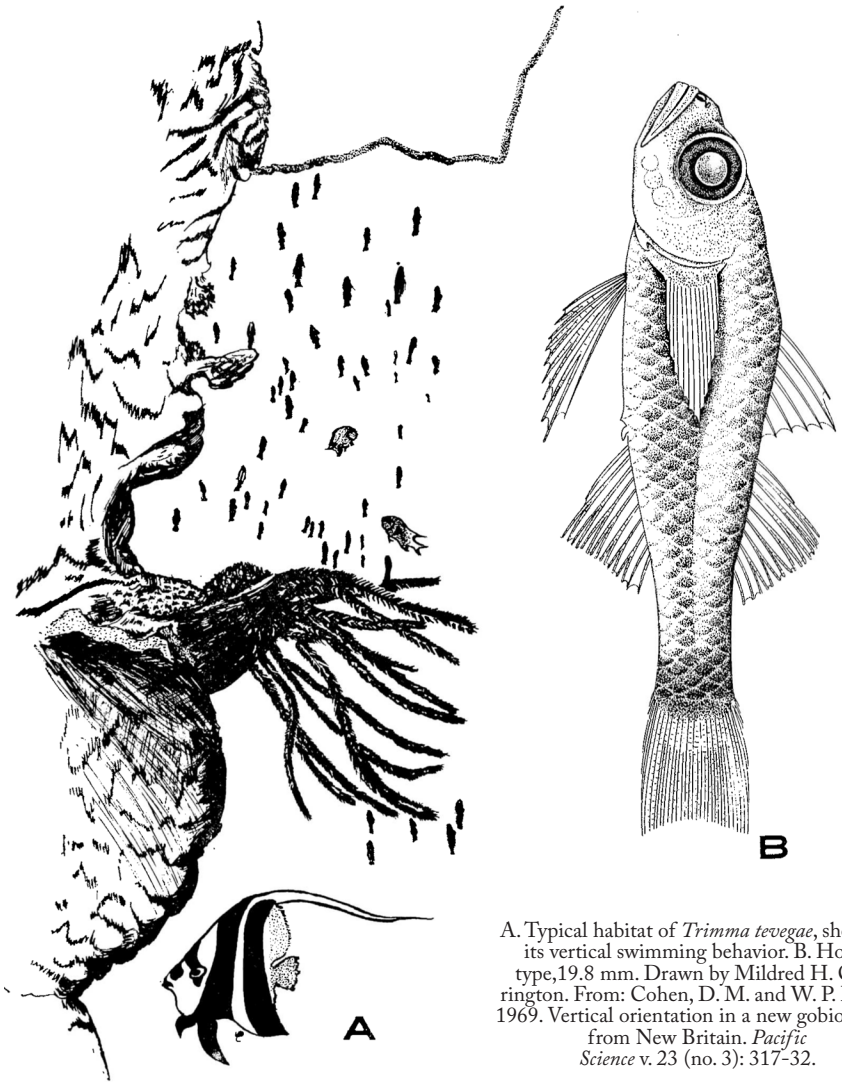
***Trimma squamicana* Winterbottom 2004**
squama, scale, referring to its scaled name; *cana*, latinization of first three letters of both the Anglo-Saxon words *candy* and *cane*, referring to its candy cane-like red bands on a white body

***Trimma stobbsi* Winterbottom 2001**
in honor of Robin E. Stobbs, "friend, guru, and colleague, whose expertise in so many things was instrumental in launching [Winterbottom's] career (especially the fieldwork aspects) all those years ago at the JLB Smith Institute of Ichthyology in Grahamstown, South Africa"

***Trimma striatum* (Herre 1945)**
striped, referring to six longitudinal pale stripes on head

***Trimma taipinense* Chang, Shen & Chen 2025**
-ense, Latin suffix denoting place: Taiping Island, South China Sea, type locality [originally spelled *taipinensis*; emended to agree with neuter genus]

***Trimma tauroculum* Winterbottom & Zur 2007**
taurus, bull; *oculus*, eye, referring to bullseye-like marking above pectoral fin



A. Typical habitat of *Trimma tevegae*, showing its vertical swimming behavior. B. Holotype,19.8 mm. Drawn by Mildred H. Carrington. From: Cohen, D. M. and W. P. Davis. 1969. Vertical orientation in a new gobioid fish from New Britain. *Pacific Science* v. 23 (no. 3): 317-32.

***Trimma taylori* Lobel 1979**
in honor of Leighton R. Taylor, Jr. (b. 1940), on the occasion of his appointment as director of the Waikiki Aquarium, continuing a tradition that each of the Aquarium's directors have a uniquely Hawaiian fish as a namesake

***Trimma tevegae* Cohen & Davis 1969**
named for Stanford University research vessel *Te Vega*, a converted luxury yacht, from which type was collected

***Trimma tigrinum* Chen & Harefa 2024**
Latin for tiger-like, referring to bars and spots on head and body

***Trimma trioculatum* Winterbottom, Erdmann & Cahyani 2015**
tri-, three; *oculatus*, eyed, referring to "extra apparent eye" formed by dark ocellated spot on first dorsal fin

***Trimma tufiense* Allen, Erdmann, Brooks & Gudgeon 2025**
-ense, Latin suffix denoting place: Tufi area of eastern Papua New Guinea, type locality [originally spelled *tufiensis*; emended to agree with neuter genus]

***Trimma ukkriti* Winterbottom 2021**
in honor of Ukkrit Satapoomin, Director, Marine Resources Conservation Division, Department of Marine and Coastal Resources, Government of Thailand, who "not only acted as liaison, organizer and participant in my field work at the Phuket Marine Biological Station in 1993, but who continued to collect and send me valuable specimens of reef gobies after we left, as well as making a special and successful effort to obtain specimens of this species for DNA barcode analysis"

***Trimma unisquame* (Gosline 1959)**
uni-, one; *squamus*, scale, referring to single scale on cheek

***Trimma volcana* Winterbottom 2003**
referring to amber-red spots on an earthy brown background that resemble numerous small, volcanic vents on a lava field; also suggestive of the hot-spot origins of the Comores Islands, where it occurs

***Trimma wangunui* Winterbottom & Edrmann 2019**
in honor of Noel Wangunu, "one of Papua New Guinea's foremost reef scientists and marine conservationists," who also assisted junior author in collections and local permits

***Trimma winchi* Winterbottom 1984**
in honor of Peter Winch, owner and captain of the ketch *Paille-en-Queue II*, who spent nine months ferrying equipment, supplies, and expedition members around the Chagos Archipelago, and without whom the expedition during which type was collected would not have been possible

***Trimma winterbottomi* Randall & Downing 1994**
in honor of Richard Winterbottom (b. 1944), Royal Ontario Museum, for his "excellent" research on gobies, *Trimma* in particular

***Trimma woutsi* Winterbottom 2002**
in honor of Wouter (Wouts) Holleman, "friend, colleague, and indispensable field collaborator on many field trips" (pronounced "*votes-i*")

***Trimma xanthochrum* Winterbottom 2011**
xanthos, yellow or golden; *chros*, color of the skin, referring to yellow coloration of body and caudal fin

***Trimma xanthum* Winterbottom & Hoese 2015**
yellow, yellowish-red, orange or golden, referring to presence of these colors in freshly collected specimens

***Trimma yanagitai* Suzuki & Senou 2007**
in honor of Mitsuhiko Yanagita, NASO Dive (Ito, Shizuoka, Japan), who helped collect and provided type

***Trimma yanoi* Suzuki & Senou 2008**
in honor of Korechika Yano, Dive Service YANO (Iriomote Island, Japan), who collected type and photographed it under water

***Trimma yoshinoi* Suzuki, Yano & Senou 2015**
in honor of Tetsuo Yoshino, University of the Ryukyus (Japan), supervisor of the third author when he studied at Yoshino's laboratory, for his "extensive" taxonomic research on the fishes of Japan

***Trimma zurae* Winterbottom, Erdmann & Cahyani 2014**
in honor of Margaret Zur, who has, for several decades, curated both the Royal Ontario Museum and borrowed material of *Trimma* for Winterbottom's research program, as well as taking and compiling reams of data on the specimens, plotting distributions, summarizing results, and a myriad other tasks; her work has been indispensable in keeping Winterbottom's *Trimma* project viable

***Trimmatom* Winterbottom & Emery 1981**
Trimma, a closely related genus; *atom*, a very small particle, referring to small size of *T. nanus* and *T. offucius*

***Trimmatom eviotops* (Schultz 1943)**
ops, appearance, referring to its similarity to *Eviota*

***Trimmatom lanyuensus* Chen, Shen & Chang 2025**
-ensis, Latin suffix denoting place: Lanyu (Orchid Island), Taitung County, Taiwan, type locality

***Trimmatom macropodus* Winterbottom 1989**
macro-, long; *podos*, foot, referring to extremely long fourth pelvic-fin ray

***Trimmatom nanus* Winterbottom & Emery 1981**
dwarf, referring to small size at maturity, 8-10 mm SL

***Trimmatom novempunctatus* Chen & Harefa 2025**
novem (L.), nine; *punctatus* (L.), spotted, referring to row of nine of dark spots on dorsal profile of trunk from first dorsal-fin base to caudal-fin base

***Trimmatom offucius* Winterbottom & Emery 1981**
a paint or wash, usually red in color, referring to orange-red bar beneath eye

***Trimmatom pharus* Winterbottom 2001**
Latin for lighthouse or beacon, both of which are usually painted with alternating red and white bands, referring to the color of living and fresh specimens

***Trimmatom sagma* Winterbottom 1989**
Greek for saddle, referring to pattern of small dark saddles across dorsum

***Trimmatom tetramaculatus* Harefa & Chen 2025**
tetrá (τετρά), four; *maculatus* (L.), stained or spotted, referring to four broad, light-purplish-blue vertical bands on

upper side of body

***Trimmatom zapotes* Winterbottom 1989**
Greek for a hard drinker, referring to its red anterior nasal tube (e.g., drinker's nose, or rhinophyma, thought to be related to excess alcohol consumption)

***Tryssogobius* Larson & Hoese 2001**
tryssos, dainty or delicate, presumably referring to small size of *T. colini* (32.5 mm SL) and *T. longipes* (18.0 mm SL)

***Tryssogobius colini* Larson & Hoese 2001**
in honor of coral-reef biologist Patrick L. Colin (b. 1946), who collected type and other specimens

***Tryssogobius fisunovi* Prokofiev 2017**
in honor of Georgy Kasyanovich Fissunov (note spelling, see *Myctophum fissunovi* in Myctophiformes), Institute of Oceanology, Academy of Sciences of the USSR, who collected type serving as a senior technician-oceanologist aboard the research vessel *Vitiaz* in 1973

***Tryssogobius flavolineatus* Randall 2006**
flavus, yellow; *lineatus*, lined, referring to yellow line passing from behind eye to below first dorsal fin

***Tryssogobius longipes* Larson & Hoese 2001**
longus, long; *pes*, foot, referring to elongate pelvic fins, especially developed in males

***Tryssogobius nigrolineatus* Randall 2006**
nigro, black; *lineatus*, lined, referring to longitudinal black line on postorbital head and side of body

***Tryssogobius porosus* Larson & Chen 2007**
pored, referring to its three preopercular pores and two pores over opercle

***Tryssogobius quinquespinus* Randall 2006**
quinque, five; *spinus*, spine, referring to five spines in first dorsal fin, a rare count for gobiid fishes (the great majority have four)

***Tryssogobius sarah* Allen & Erdmann 2012**
in honor of Sarah Crow, who accompanied Erdmann on his surveys of cryptic fish biodiversity; "It is a pleasure to name this species after this precocious and inquisitive young ichthyologist, with the hope that this will further inspire her future investigations of the marine realm." [a noun in apposition, without the genitive "*ae*"]

***Valenciennea* Bleeker 1856**
-*ea*, adjectival suffix: patronym not identified but clearly in honor of Achille Valenciennes (1794-1865), co-author of the 22-volume *Histoire Naturelle des Poissons* (1828-1850), a basic reference for Bleeker and other ichthyologists of the time [note: Bleeker often spelled Valenciennes without the "s"; see *Hypoatherina valenciennei* (Atheriniformes: Atherinidae]

***Valenciennea alleni* Hoese & Larson 1994**
in honor of Gerald R. Allen (b. 1942), Western Australia Museum (Perth), for his contributions to Australian ichthyology

***Valenciennea bella* Hoese & Larson 1994**
pretty, presumably referring to its pinkish body coloration and two oblique stripes under eye

***Valenciennea decora* Hoese & Larson 1994**
adorned or elegant, presumably referring to coloration in life, including yellow stripe running length of body, one or 4-5 yellow vertical bars, and a blue-edged yellow stripe at distal edge of second dorsal fin

***Valenciennea helsdingenii* (Bleeker 1858)**
in honor of W. F. C. van Helsdingen, Dutch civil servant, who provided a number of well-preserved fishes from the Gorong Archipelago (Indonesia), including type of this one

***Valenciennea immaculata* (Ni 1981)**
unspotted, referring to lack of vertical bands compared to the similar *V. muralis*

***Valenciennea limicola* Hoese & Larson 1994**
limus, mud; -*cola*, inhabitant of, collected from a turbid silty mud bottom off a river mouth

***Valenciennea longipinnis* (Lay & Bennett 1839)**
longus, long; *pinnis*, fin, referring to extended rays on first dorsal fin and/or "long and pointed" caudal fin

***Valenciennea muralis* (Valenciennes 1837)**
pertaining to a wall, its color markings resembling the lines of a stone wall

***Valenciennea papuensis* Allen, Erdmann & Mambrasar 2024**
-*ensis*, Latin suffix denoting place: West Papua Province, Indonesia, where all type material was collected

***Valenciennea parva* Hoese & Larson 1994**
dwarf, referring to its small size, maximum 54 mm SL

***Valenciennea persica* Hoese & Larson 1994**
Persian, referring to the Persian Gulf, where it is endemic

***Valenciennea puellaris* (Tomiyama 1956)**
damsel-like, referring to its "supposed gay coloration in life"

***Valenciennea randalli* Hoese & Larson 1994**
in honor of ichthyologist John E. Randall (1924-2020), Bishop Museum (Honolulu), who provided the "initial impetus" for the authors' revision of the genus and supplied numerous specimens and photographs

***Valenciennea sexguttata* (Valenciennes 1837)**
sex, six; *guttata*, spotted, presumably referring to silver spots, consisting of two longitudinal rows of three spots each, on cheek and operculum

***Valenciennea strigata* (Broussonet 1782)**
striped, referring to bluish, black-edged streak or stripe from angle of mouth to opercle

***Valenciennea wardii* (Playfair 1867)**
in honor of British diplomat Swinburne Ward (1830-1897), Her Majesty's Civil Commissioner for the Seychelles (even though this goby was described from Zanzibar, Tanzania)

***Valenciennea yanoi* Suzuki, Senou & Randall 2016**
in honor of Korechika Yano, Dive Service YANO (Iriomote Island, Japan), who discovered this species and photographed it under water

***Vanderhorstia* Smith 1949**
-*ia*, belonging to: Cornelius Jan van der Horst (1889-1951), Head of the Zoology Department, Witwatserand University (Johannesburg, South Africa), "well known as a marine biologist"

***Vanderhorstia ambanoro* (Fourmanoir 1957)**
named for Ambanoro Bay, Nossi-Bé, Mozambique Channel, Madagascar, type locality

***Vanderhorstia atriclypea* (Garman 1903)**
etymology not explained, presumably *atri*-, black, referring to black ventral fins and/or black spot on bases of caudal-fin rays; *clypeus*, shield, perhaps referring to large ctenoid scales with minute teeth

***Vanderhorstia attenuata* Randall 2007**
drawn out or tapering, referring to prolonged tapering filament formed by middle five caudal-fin rays

***Vanderhorstia auronotata* Randall 2007**
aurum, gold; *notata*, marked, referring to its many bright orange-yellow markings

***Vanderhorstia auropunctata* (Tomiyama 1955)**
aureus, golden; *punctatus*, spotted, referring to golden-yellow spots scattered on head and body

***Vanderhorstia bella* Greenfield & Longenecker 2005**
beautiful, referring to its "striking" coloration, lavender on head and body and many bright yellow spots

***Vanderhorstia belloides* Randall 2007**
-*oides*, having the form of: referring to its resemblance to *V. bella*

***Vanderhorstia cyanolineata* Suzuki & Chen 2014**
cyaneus, blue; *lineatus*, lined, referring to conspicuous longitudinal purplish-blue stripe from middle body crossing through entire middle region of caudal fin

***Vanderhorstia dawnarnallae* Allen, Erdmann & Mongdong 2019**
in honor of businesswoman and philanthropist Dawn Arnall, who funded expedition that led to the discovery of this goby and "provided critical support and advice to the Bird's Head Seascape marine conservation initiative that now protects the habitat of this new species"

***Vanderhorstia delagoae* (Barnard 1937)**
of Delagoa Bay, Mozambique, type locality

***Vanderhorstia dorsomacula* Randall 2007**
dorso-, dorsal; *macula*, spot, referring to black spot in middle of first dorsal fin between fourth and fifth spines

***Vanderhorstia flavilineata* Allen & Munday 1995**
flavus, yellow; *lineata*, lined, referring to pair of yellow-orange stripes on sides

***Vanderhorstia fulvopelvis* Suzuki & Chen 2014**
fulvus, brownish yellow (but often used to mean yellow in general); *pelvis*, pelvic, referring to conspicuous "shiny yellow" mark on pelvic fin in male

Varicus lacerta. From: Tornabene, L., D. R. Robertson and C. C. Baldwin. 2016. *Varicus lacerta*, a new species of goby (Teleostei, Gobiidae, Gobiosomatini, *Nes* subgroup) from a mesophotic reef in the southern Caribbean. *ZooKeys* No. 596: 143-156.

Vanderhorstia hiramatsui **Iwata, Shibukawa & Ohnishi 2007**
in honor of Wataru Hiramatsu (Laboratory of Marine Biology, Kochi University), who collected type

Vanderhorstia kizakura **Iwata, Shibukawa & Ohnishi 2007**
Japanese vernacular for a variety of cherry tree with turmeric-colored blossoms, referring to bright-yellow dots and lines scattered on head and body

Vanderhorstia lepidobucca **Allen, Peristiwady & Erdmann 2014**
lepida, scaly; *bucca*, cheek, only member of genus with scales on preoperculum

Vanderhorstia longimanus **(Weber 1909)**
longus, long; *manus*, hand, referring to long pectoral fins, nearly reaching middle of second dorsal fin

Vanderhorstia macropteryx **(Franz 1910)**
macro-, long; *pteryx*, fin, referring to its long pectoral fins, 3⅓ in TL

Vanderhorstia mertensi **Klausewitz 1974**
in honor of herpetologist Robert Mertens (1894-1975), former director, Naturmuseum Senckenberg (Frankfurt), under whom Klausewitz gained a complete biological and ecological view of modern systematics and taxonomy

Vanderhorstia nannai **Winterbottom, Iwata & Kozawa 2005**
of the Sumerian moon god Sin, who had several different names corresponding to phases of the moon; the name "Nanna" represented the full moon, referring to moon-like lateral spots on this goby

Vanderhorstia nobilis **Allen & Randall 2006**
majestic, referring its previously published (2003) common name, Majestic Shrimpgoby

Vanderhorstia opercularis **Randall 2007**
referring to prominent black spot on opercle

Vanderhorstia ornatissima **Smith 1959**
superlative of *ornatus*, handsome, splendid or decorated, presumably referring to its "[b]rilliant" coloration in life

Vanderhorstia papilio **Shibukawa & Suzuki 2004**
butterfly, referring to its elongate, filamentous fifth and ninth branched caudal-fin rays, which look like the "tails" of the Swallowtail Butterfly

Vanderhorstia pattiseery **Allen, Erdmann & Ichida 2024**
in honor of the late Patti Seery (d. 2020), designer and owner of the "magnificent" liveaboard boat R.V. *Silolona*, who provided the authors with numerous opportunities to explore the islands and reefs of the East Indian region; they are "grateful for her wonderful friendship and immense generosity" [a noun in apposition without the genitive "*ae*"]

Vanderhorstia phaeostictus **(Randall, Shao & Chen 2007)**
phaeos, brown or dusky; *stictus*, small spots, referring to profusion of small dark spots on body

Vanderhorstia puncticeps **(Deng & Xiong 1980)**
punctus, speckled; *ceps*, head, referring to irregular yellow blotches and stripes on head

Vanderhorstia rapa **Iwata, Shibukawa & Ohnishi 2007**
rapum, turnip or rapeseed, referring to minute golden-yellow spots on head, body and fins, similar to rapeseed blossoms

***Vanderhorstia steelei* Randall & Munday 2008**
in honor of ichthyologist Mark H. Steele (b. 1967), California State University (Northridge, California), who photographed the goby in its habitat and alerted the authors of its existence

***Vanderhorstia stegauchenia* Prokofiev 2017**
stegos, roof; *auchenos*, nape, referring to completely scaled predorsal region

***Vanderhorstia supersaiyan* Koeda, Hirasaka & Sato 2025**
named for Super Saiyan, a fictional transformation from the "Dragon Ball" manga series, famous for its golden yellow hair and glowing aura, referring to two distinct yellow longitudinal stripes on the second dorsal, anal, and caudal fins, unique within the genus

***Vanderhorstia vandersteene* Allen, Erdmann & Brooks 2020**
a noun in apposition for the combined surnames of Rob van der Loos (also spelled Vanderloos) and Roger C. Steene (b. 1942), "two highly esteemed underwater photographers who have contributed greatly to our knowledge of the reef fishes of Milne Bay and who have been loyal diving companions over the course of three decades of exploration of the region"

***Vanderhorstia wayag* Allen & Erdmann 2012**
named for Wayag Island, Raja Ampat Islands, West Papua, Indonesia, type locality (and location of a Conservation International field station)

***Vanneaugobius* Brownell 1978**
Vanneau, ship from which *V. dollfusi* was collected; *gobius*, goby

***Vanneaugobius dollfusi* Brownell 1978**
in honor of Robert-Philippe Dollfus (1887-1976), ichthyologist and parasitologist, who co-organized the *Vanneau* expeditions (1923-1926) along Morocco's Atlantic coastline, during which type was collected; in addition, his 1955 checklist of Moroccan Atlantic fishes has been "very helpful" to subsequent workers in the field

***Vanneaugobius longignathus* Kovačić, Schliewen & Böhmer 2025**
longus (L.), long; *gnáthos* (γνάθος), jaw, referring to posterior angle of jaw ending posteriorly below posterior iris (vs. below pupil in congeners)

***Vanneaugobius pruvoti* (Fage 1907)**
in honor of Fage's teacher, physician-zoologist Georges Pruvot (1852-1924), who helped collect this goby and urged Fage to study it

***Varicus* Robins & Böhlke 1961**
with feet spread out, referring to its nearly separate (compared to fused) ventral fins

***Varicus adamsi* Gilmore, Van Tassell & Tornabene 2016**
in honor of the late "famed" research submersible (Johnson Sea Link) pilot Michael Adams (1934-1993), who "painstakingly" captured both Bahaman specimens during a 30-45 minute chase using a 26-ton submarine in "simultaneous multiple thrust, multidirectional mode"; he was one of the five original research submersible pilots in the United States

***Varicus benthonis* (Ginsburg 1953)**
-*is*, adjectival suffix: *benthos*, the deep, presumably referring to its deepwater habitat (collected at 153.6 m)

***Varicus bucca* Robins & Böhlke 1961**
mouth, but here meaning "puffed cheek," referring to moderately protractile mouth

***Varicus cephalocellatus* Gilmore, Van Tassell & Baldwin 2016**
cephalus; head; *ocelli*, eyespot, referring to series of ocelli on head extending from mouth diagonally to nape

***Varicus decorum* Van Tassell, Baldwin & Tornabene 2016**
decorated, adorned, beautiful or elegant, referring to beautiful round yellow markings on dorsal surface of body

***Varicus lacerta* Tornabene, Robertson & Baldwin 2016**
lizard, referring to its "reptilian or saurian appearance" as indicated by its bright yellow-and-orange coloration, green eyes, disproportionately large head possessing raised ridges of papilla, and multiple rows of recurved canine teeth in each jaw (its common name, Godzilla Goby, refers to the radioactive reptilian monster from the sea that appeared in Japanese science-fiction films as Gojira, renamed Godzilla in subsequent English-language films)

***Varicus marilynae* Gilmore 1979**
in honor of Gilmore's wife Marilyn, who aided her husband "considerably" in his ichthyological studies

***Varicus nigritus* Gilmore, Van Tassell & Baldwin 2016**
black, referring to diagnostic dark-black wide bars on trunk

***Varicus prometheus* Fuentes, Baldwin, Robertson, Lardizábal & Tornabene 2023**
named for the Greek god Prometheus, who, as punishment from the god Zeus, had his liver eaten out by an eagle, only to have the liver grow back overnight so it might be eaten again the next day, referring to the fact that

the abdomen of the holotype was partially eaten by a hermit crab

***Varicus roatanensis* Fuentes, Baldwin, Robertson, Lardizábal & Tornabene 2023**
-*ensis*, Latin suffix denoting place: Roatan, Honduras, type locality

***Varicus veliguttatus* Van Tassell, Baldwin & Gilmore 2016**
velum, sail; *guttatus*, spotted or speckled, referring to scattered black markings on first dorsal fin

***Varicus vespa* (Hastings & Bortone 1981)**
wasp, referring to wasp-like olive vertical bars on body

***Vomerogobius* Gilbert 1971**
vomer, referring to teeth that may be present on vomer; *gobius*, goby

***Vomerogobius flavus* Gilbert 1971**
yellow, referring to bright yellow color in life

***Wheelerigobius* Miller 1981**
in honor of Alwyne C. Wheeler (1929-2005), Curator of Fishes at the British Museum, whose help was "invaluable" in Miller's work on gobies for *Checklist of the Fishes of the Eastern Tropical Atlantic*; *gobius*, goby

***Wheelerigobius canariensis* (Van Tassell, Miller & Brito 1988)**
-*ensis*, suffix denoting place: Gran Canaria, Canary Islands, type locality (also occurs off Madeira and Cape Verde Islands)

***Wheelerigobius maltzani* (Steindachner 1881)**
in honor of German malacologist and Steindachner's "dear" (translation) friend, Hermann von Maltzan (1843-1891), who provided type

***Wheelerigobius wirtzi* Miller 1988**
in honor of blenny taxonomist Peter Wirtz (b. 1948), Universidade da Madeira (Portugal), who collected type, and, "as on previous occasions, kindly forwarded these non-blenniids to the author"

***Yoga* Whitley 1954**
Sanskrit word for yoke, i.e., to bind or bridge, referring to how this genus is "apparently intermediate in characters" between *Ctenogobius* (Oxudercidae) and *Cryptocentrus*; Whitley is thereby "linking them together" by proposing this name

***Yoga pyrops* (Whitley 1954)**
pyr-, pyriform; *ops*, eye, referring to its pear-shaped eyes

***Yongeichthys* Whitley 1932**
named for zoologist Charles Maurice Yonge (1899-1986), leader of the Great Barrier Reef Expedition (1928-1929); *ichthys*, fish

***Yongeichthys nebulosus* (Forsskål 1775)**
cloudy, referring to its rough, dark-cloudy ("fusco-nebulosis") scales

***Yongeichthys thomasi* (Boulenger 1916)**
in honor of anthropologist Northcote W. Thomas (1868-1936), who collected type

***Yongeichthys tuticorinensis* (Fowler 1925)**
-*ensis*, suffix denoting place: Tuticorin, Madras, India, type locality

***Zagadkogobius* Prokofiev 2017**
zagadka, Russian word for mystery (per English version of paper, but a better translation would be "puzzle, riddle or enigma"), referring to its unusual combination of diagnostic characters; *gobius*, goby

***Zagadkogobius ourlazon* Prokofiev 2017**
Greek for "mourner at a funeral," referring to large dark spot under eye

***Zebrus* de Buen 1930**
tautonymous with *Gobius zebrus*

***Zebrus pallaoroi* Kovačić, Šanda, Čekovská, Soukupová & Vukić 2021**
in honor of Armin Pallaoro, a "great ichthyologist from the Institute of Oceanography and Fishery Split, Croatia, who sadly passed away in January 2020. Armin unselfishly shared his knowledge and his fieldwork and laboratory skills on fishes with generations of younger Croatian colleagues at their beginnings," including the senior author

***Zebrus zebrus* (Risso 1827)**
zebra, referring to zebra-like color pattern of whitish transverse bands encircling a dark body