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COMMENTS:

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Order TETRAODONTIFORMES Plectognaths (part 1 of 2)

Nomenclatural note: Order historically called Plectognathi (*plectos*, braided or woven together; *gnathos*, jaw), referring to suturing (or at least immovable attachment of maxillary to premaxillary (true for all plectognaths except for suborders Triacanthoidei and Triacanthodoidei).

Suborder TRIODONTOIDEI

Family TRIODONTIDAE Threetooth Puffers

One extant species

***Triodon* Cuvier 1829**

tri-, three; *odon*, tooth, referring to three fused teeth in jaws, the upper jaw with a median suture, the lower jaw without

***Triodon macropterus* Lesson 1829**

macro-, long or large; *pterus*, fin, allusion not explained, presumably referring to large fin-like dewlap or belly flap reaching from throat to anal fin

Suborder TRIACANTHOIDEI

Family TRIACANTHIDAE Triplespines

4 genera · 7 species

***Pseudotriacanthus* Fraser-Brunner 1941**

pseudo-, false, i.e., although this genus may resemble *Triacanthus* (and its one species previously placed in it), such an appearance is false

***Pseudotriacanthus strigilifer* (Cantor 1849)**

strigilis, a scraper; *fero*, to bear, presumably referring to its scales, each of which "resembles a small curry-comb, which makes the skin in every direction rough to the touch"

***Triacanthus* Oken 1817**

tri-, three; *acanthus*, thorn or spine, referring to large first dorsal-fin spine and two large pelvic-fin spines, unlike *Balistes* (Balistidae), original genus of *T. biaculeatus*, which lacks the pelvic spines

***Triacanthus biaculeatus* (Bloch 1786)**

bi-, two; *aculeatus*, spined, referring to two sharply pointed pelvic-fin spines

***Triacanthus nieuhofii* Bleeker 1851**

in honor of Johan Nieuhof (1618-1672), Dutch East India Company, who, in 1682, was the first person to describe and illustrate this species, which he called "Hoornvisch"

***Tripodichthys* Tyler 1968**

tripodis, three-legged stand, referring to bathypteroid-like tripodal stance envisioned for the fish resting on its two erect pelvic-fin spines and lower lobe of caudal fin; *ichthys*, fish

***Tripodichthys angustifrons* (Hollard 1854)**

angustus, narrow; *frons*, forehead, referring to longer, narrow snout compared to *Triacanthus brevirostris* (=*biaculeatus*), its presumed congener at the time

***Tripodichthys blochii* (Bleeker 1852)**

in honor of physician-naturalist Marcus Elieser Bloch (1723–1799), who described its presumed congener *Triacanthus biaculeatus* in 1786

***Tripodichthys oxycephalus* (Bleeker 1851)**

oxy, sharp or acute; *cephalus*, head, referring to long, acutely shaped head

***Trixiphichthys* Fraser-Brunner 1941**

tri-, three and *xiphos*, sword, allusion not explained, presumably referring to large first dorsal-fin spine and two large pelvic-fin spines; *ichthys*, fish

***Trixiphichthys weberi* (Chaudhuri 1910)**

in honor of ichthyologist Max Weber (1852-1937), whose "observations and remarks … have been very helpful" in Chaudhuri's description of this species

Suborder TRIACANTHODOIDEI

Family TRIACANTHODIDAE Spikefishes

11 genera · 24 species

Subfamily Hollardinae

***Hollardia* Poey 1861**
-ia, belonging to: physician-naturalist Henri Hollard (1801-1866), "in recognition of the excellent work he published in *Anuales des Sciences naturelles*" (translation); Hollard described *Tripodichthys angustifrons* (Triacanthidae) in 1854 and was a pioneer in studying the anatomy and classification of plectognath fishes

***Hollardia goslinei* Tyler 1968**
in honor of ichthyologist William A. Gosline (1915-2002), University of Michigan, who was instrumental, along with other colleagues, in collecting fishes killed by the eruption of Mauna Loa (Island of Hawai'i) in 1950, including type of this one

***Hollardia hollardi* Poey 1861**
in honor of physician-naturalist Henri Hollard (1801-1866) [see genus]

***Hollardia meadi* Tyler 1966**
in honor of ichthyologist Giles W. Mead (1928-2003), who gave Tyler his "first encouragement and opportunity to study fishes, especially plectognaths"

***Parahollardia* Fraser-Brunner 1941**
para-, near, referring to close relationship with *Hollardia*

***Parahollardia lineata* (Longley 1935)**
lined, referring to eight longitudinal "streaks of green" on body

***Parahollardia schmidti* Woods 1959**
in honor of herpetologist Karl P. Schmidt (1890-1957), Chief Curator, Department of Zoology, Chicago Natural History Museum (published in a memorial issue of *Copeia* dedicated to Schmidt)

Subfamily Triacanthodinae

***Atrophacanthus* Fraser-Brunner 1950**
atrophia, rudimentary; *acanthus*, thorn or spine, referring poor development of last three dorsal-fin spines

***Atrophacanthus japonicus* (Kamohara 1941)**
-icus, belonging to Japan, type specimen (destroyed during WW2) dredged off Shikoku, Kochi Prefecture, Japan

***Bathyphylax* Myers 1934**
bathys, deep; *phylax*, guard, i.e., a guardian of deep water, allusion not explained, perhaps referring to habitat of *B. bombifrons* (collected at 113 m) and metaphorical all-seeing or guardian nature of its large eyes

***Bathyphylax bombifrons* Myers 1934**
bombus, humming or buzzing; *frons*, forehead, referring to tubular snout, reminiscent of a resonating wind instrument (George S. Myers, pers. comm. with James C. Tyler, reported in Tyler 1986)

***Bathyphylax omen* Tyler 1966**
Anglo-Saxon word meaning sign, prophecy or augury, referring to phyletic importance of species in this genus as "harbingers" of the long-snouted and conically toothed *Halimochirurgus*

***Bathyphylax pruvosti* Santini 2006**
in honor of Patrice Pruvost (b. 1966), collection manager of the ichthyological collection of the Muséum national d'Histoire naturelle (Paris), who helped making material from his museum's collection available to Santini

***Halimochirurgus* Alcock 1899**
halimos, of the sea; *chirurgus*, surgeon, referring to long tubular snout with small mouth opening of *H. centriscoides*, "remarkably like the surgical instrument known as a catheter" (per Alcock in a follow-up 1899 publication)

***Halimochirurgus alcocki* Weber 1913**
in honor of physician-naturalist Alfred William Alcock (1859-1933), Superintendent of the Indian Museum (West Bengal, India), who proposed the genus in 1899

***Halimochirurgus centriscoides* Alcock 1899**
-oides, having the form of: similar to the shrimpfishes of *Centriscus* (Syngnathiformes: Centriscidae) in body shape

***Johnsonina* Myers 1934**
-ia, belonging to: financier and philanthropist Eldridge R. Johnson (1899-1986), sponsor of the Johnson-Smithsonian Deep-Sea Expedition of 1933, during which type was collected

***Johnsonina eriomma* Myers 1934**
eri-, very; *omma*, eye, referring to "enormous" eyes and ocellated spot (eyespot) on body, the latter unique in the family

***Macrorhamphosodes* Fowler 1934**
-*oides*, having the form of: referring to resemblance of *M. platycheilus* to snipefishes of *Macroramphosus* (Syngnathiformes: Centriscidae)

***Macrorhamphosodes platycheilus* Fowler 1934**
platys, wide; *cheilus*, lip, referring to "broadly expanded" upper lip

***Macrorhamphosodes uradoi* (Kamohara 1933)**
of Urado, Tosa Province (now Kochi Prefecture), Japan, where type was found at a fish market

***Mephisto* Tyler 1966**
named for the devil Mephisto, second only to Satan among the fallen archangels and more familiar as Mephistopheles of the Faustian legend, referring to reddish exterior, black interior, and horn-like spines of *M. fraserbrunneri*

***Mephisto albomaculosus* Matsuura, Psomadakis & Tun 2018**
albus, white; *maculosus*, spotted, referring to numerous white spots on head and body

***Mephisto fraserbrunneri* Tyler 1966**
in honor of ichthyologist Alec Fraser-Brunner (1906-1986), British Museum (Natural History) and then-director of the Van Kleef Aquarium in Singapore, for his "laudable" series of "Notes on the plectognath fishes," which, despite their modest title, "in actuality present the pioneering generic revisions of the families of plectognath fishes which form the basis of our present knowledge of the classification of the Order"

***Paratriacanthodes* Fowler 1934**
para-, near, referring to close relationship with *Triacanthodes*

***Paratriacanthodes abei* Tyler 1997**
in honor of the late Tokiharu Abe (1911-1996), Museum of Tokyo University and the Fish Museum at Tsukiji Fish Market, an "authority on the fishes of Japan, and especially on the tetraodontiform fugus; he always shared his enthusiasm, knowledge, and specimens with other researchers having similar interests"

***Paratriacanthodes herrei* Myers 1934**
in honor of ichthyologist-lichenologist Albert W. Herre (1868-1962), an authority on fishes of the Philippines, where this species was discovered

***Paratriacanthodes retrospinis* Fowler 1934**
retro-, backward; *spinis*, spine, referring to well-developed retrorse barbs on first dorsal- and pelvic-fin spines

***Triacanthodes* Bleeker 1857**
-*oides*, having the form of: referring to presumed close relationship with *Triacanthus* (Triacanthidae)

Mephisto albomaculosus. Matsuura, K., P. N. Psomadakis and M. T. Tun. 2018. *Mephisto albomaculosus*, a new spikefish (Actinopterygii: Tetraodontiformes: Triacanthodidae) collected off Myanmar, Indian Ocean. *Ichthyological Research* v. 66 (no. 1): 30-33.

***Triacanthodes anomalus* (Temminck & Schlegel 1850)**
odd or irregular (i.e., different), referring to how this species is "not quite modeled on the same type" (translation) as other species then placed in *Triacanthus* (Triacanthidae)

***Triacanthodes ethiops* Alcock 1894**
blackened or scorched, allusion not explained, presumably referring to "uniform blue-black" color of small preserved type specimen (probably yellowish to reddish in life)

***Triacanthodes indicus* Matsuura 1982**
Indian, referring to western Indian Ocean, only known area of occurrence

***Triacanthodes intermedius* Matsuura & Fourmanoir 1984**
named for "intermediate condition of character states" between *Triacanthodes* and *Paratriacanthodes*

***Tydemania* Weber 1913**
-*ia*, belonging to: Lieut. G. F. Tydeman, commander of the *Siboga*, Dutch research vessel in the East Indies (1899-1900) and Weber's "loyal colleague" (translation), from which type of *T. navigatoris* was collected

***Tydemania navigatoris* Weber 1913**
sailor or mariner, especially the navigator, allusion not explained, perhaps referring to Lieut. G. F. Tydeman, for whom genus is named

Suborder TETRAODONTOIDEI

Family DIODONTIDAE Porcupinefishes or Burrfishes
7 genera · 19 species

***Allomycterus* McCulloch 1921**
allo-, other (i.e., different); *mycterus*, nostril, having a bifid nasal tentacle without openings, different from *Chilomycterus* and *Dicotylichthys*

***Allomycterus pilatus* Whitley 1931**
armed with a javelin, allusion not explained, perhaps referring to body covered in short, fixed, blade-like spines

***Chilomycterus* Brisout de Barneville 1846**
chilos, lip; *mycterus*, nostril, referring to nostrils having the appearance of two lips, or formed of two tentacles united at the base

***Chilomycterus antennatus* (Cuvier 1816)**
-*atus*, adjectival suffix: antenna or feeler, referring to large tentacle over eye and tentacles along lower part of sides

***Chilomycterus antillarum* Jordan & Rutter 1897**
of the Antilles, referring to Kingston, Jamaica, type locality (occurs in western Atlantic from North Carolina to Florida, Panama to northern Brazil, and the West Indies)

***Chilomycterus mauretanicus* (Le Danois 1954)**
-*icus*, belonging to: Mauritania, type locality (occurs in eastern Atlantic from Mauritania to Angola, with possible strays to South Africa)

***Chilomycterus reticulatus* (Linnaeus 1758)**
netted or net-like but fish is actually spotted; Linnaeus based description on account in Artedi (1738), which itself was based on Willughby (1686), in which fish is described as "muricatus & reticulatus" (spiny & net-like)

***Chilomycterus schoepfii* (Walbaum 1792)**
in honor of German naturalist and military surgeon Johann David Schöpf (1752-1800), who explored the United States and the Bahamas (1783-1784), studying their natural history; Walbaum's description is based on Schöpf's 1788 account of this species

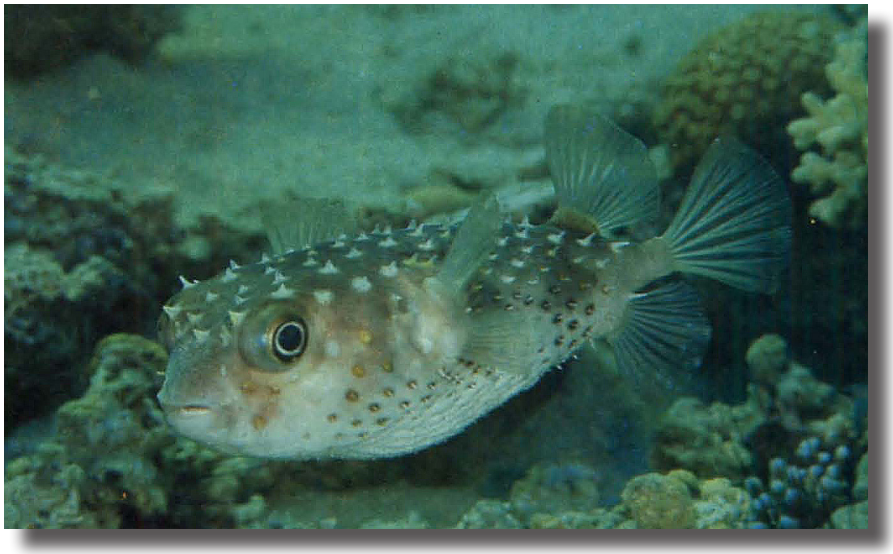
***Chilomycterus spinosus* (Linnaeus 1758)**
spiny, referring to short, stout, triangular, and immovable spines all over body

***Cyclichthys* Kaup 1855**
cyclos, round or circular, presumably referring to shape of *C. orbicularis* when inflated with water or air; *ichthys*, fish

***Cyclichthys hardenbergi* (de Beaufort 1939)**
in honor of Dutch biologist Johann Dietrich Frans Hardenberg (1902-1980), Laboratorium voor het Onderzoek der Zee (Batavia), who sent type to de Beaufort for identification

***Cyclichthys orbicularis* (Bloch 1785)**
circular or disc-shaped, referring to body shape when inflated with water or air

***Cyclichthys spilostylus* (Leis & Randall 1982)**
spilos, spot; *stylos*, pillar or post, referring to contrasting spot at base of each spine



Cyclichthys spilostylus. From: Leis, J. M. and J. E. Randall. 1982. *Chilomycterus spilostylus*, a new species of Indo-Pacific burrfish (Pisces, Tetraodontiformes, Diodontidae). *Records of the Australian Museum* v. 34 (no. 3): 363-371, 1 pl.

Dicotylichthys **Kaup 1855**
di-, two and *cotyla*, cup-shaped cavity or hollow, presumably referring to bifid nostril of adults; *ichthys*, fish

Dicotylichthys punctulatus **Kaup 1855**
diminutive of *punctum*, spot, referring to small black spots on back and abdomen

Diodon **Linnaeus 1758**
di-, two; *odon*, tooth, referring to two fused teeth (but separated by a median suture) in jaws

Diodon bocagei **(Steindachner 1866)**
patronym not explained, probably in honor of José Vicente Barbosa du Bocage (1823-1907), curator of Zoology at the Museum of Natural History in Lisbon (see *Luciobarbus bocagei*, Cypriniformes: Cyprinidae: Barbinae)

Diodon eydouxii **Brisout de Barneville 1846**
patronym not identified but almost certainly in honor of Joseph Fortuné Théodore Eydoux (1802-1841), naturalist and naval surgeon, who helped collect type aboard *La Bonite* during its 1836-1837 circumnavigation of the globe

Diodon holocanthus **Linnaeus 1758**
holo-, entire; *acanthus*, thorn or spine, referring to scales modified into spines all over body

Diodon hystrix **Linnaeus 1758**
porcupine, referring to scales modified into spines all over body

Diodon liturosus **Shaw 1804**
blotched or patched, referring to "large, crescent-shaped black spot or patch" on nape, a "somewhat oval patch" above pectoral fin, and two transverse ones, the first beneath the eye and the second between eye and pectoral fin

Diodon nicthemerus **Cuvier 1818**
nyctos, night; *hemera*, day, referring to blackish-brown above, silvery white below

Lophodiodon **Fraser-Brunner 1943**
lophos, crest, proposed as a subgenus of *Diodon* with two-rooted, erectile spines only on front of head

Lophodiodon calori **(Bianconi 1854)**
patronym not identified but almost certainly in honor of Bianconi's colleage at University of Bologna, Luigi Calori (1807-1896), physician and human-anatomy professor [presumably a noun in apposition, without the genitive "*i*"]

Tragulichthys **Whitley 1931**
tragula, javelin, referring to numerous sharp spines on body; *ichthys*, fish

Tragulichthys jaculiferus **(Cuvier 1818)**
jaculum, dart or javelin; *fero-*, to bear, referring to numerous sharp spines on body

Family TETRAODONTIDAE Puffers

27 genera · 198 species

Subfamily Tetraodontinae

***Amblyrhynchote* Bibron 1855**
amblys, blunt, *rhynchus*, snout; -*ote*[*s*], pertaining to or having the nature of, referring to prominent blunt chin [spelling and authorship often given as *Amblyrhynchotes* Troschel 1856]

***Amblyrhynchote honckenii* (Bloch 1785)**
in honor of German botanist, aristocrat and "dear friend" (translation) Gerhard August Honckeny (also spelled Honkeny, 1724-1805), who, in some capacity, provided or presented type to Bloch

***Arothron* Müller 1841**
etymology not explained, perhaps *a*-, without, and *rothron*, variant or incorrect spelling of *rothon*, nostril, referring to two finger-like nasal tentacles instead of nasal pores

***Arothron caeruleopunctatus* Matsuura 1994**
caeruleo-, blue; *punctatus*, spotted, referring to numerous blue spots on head and body

***Arothron carduus* (Cantor 1849)**
thistle, allusion not explained, perhaps referring to "rather long, very fine, hair-like and crowded" spines (spinules) on back

***Arothron diadematus* (Rüppell 1829)**
crowned, referring to brownish-black band over crown of head, through eye and around pectoral fins

***Arothron firmamentum* (Temminck & Schlegel 1850)**
sky or heaven, allusion not explained, probably referring to profusion of small white spots on back and belly (with larger spots on sides), like stars in the night sky

***Arothron hispidus* (Linnaeus 1758)**
rough or bristly, referring to small spinules covering head and body (except around snout and rear of caudal peduncle)

***Arothron immaculatus* (Bloch & Schneider 1801)**
spotless, allusion not explained, presumably referring to body without spots or bands (except for large yellowish-brown to black blotch around pectoral-fin base)

***Arothron inconditus* Smith 1958**
rough, unplanned or crude, but perhaps Smith used it (incorrectly) to mean rough (i.e., bristly), the "whole body spinate"

***Arothron manilensis* (Marion de Procé 1822)**
-*ensis*, suffix denoting place: Manila Bay, Philippines, type locality (occurs in eastern Indian and western Pacific oceans from Myanmar and Indonesia east to Hawaiian Islands, Samoa and Tonga, north to southern Japan, south to Australia and New Caledonia)

***Arothron mappa* (Lesson 1831)**
sheet, from *mappa mundi*, "sheet of the world" (i.e., map), "countless streaks that crisscross the body surface and flanks in all directions" (translation), like the markings or pathways on a map

***Arothron meleagris* (Anonymous 1798)**
guinea fowl, referring to innumerable white spots on body, which resembles color pattern of a guinea fowl [name coined by Commerçon in an unpublished manuscript, published as a vernacular name by Lacepède in 1798, then latinized in an anonymous book review later that year, from whence the name dates; authorship sometimes given as Bloch & Schneider 1801]

***Arothron multilineatus* Matsuura 2016**
multi-, many; *lineatus*, lined, referring to many white lines on head and body

***Arothron nigropunctatus* (Bloch & Schneider 1801)**
nigro-, black; *punctatus*, spotted, referring to scattered black spots on head and body

***Arothron reticularis* (Bloch & Schneider 1801)**
reticular, referring to many brown reticulations (along with lines and spots) on upper body

***Arothron stellatus* (Anonymous 1798)**
starry, referring to stellate base at prickles that cover body [based on unpublished description by Commerçon, published with a vernacular name by Lacepède in 1798, then assigned "*stellatus*" in an anonymous book review later that year, from whence the name dates; authorship often given as Bloch & Schneider 1801]

***Auriglobus* Kottelat 1999**
aurum, gold, presumably referring to gold to greenish-gold or greenish-gold upper body color of most species; *globus*,

globe or sphere, presumably referring to round shape when inflated with water or air

***Auriglobus amabilis* (Roberts 1982)**
lovely, presumably referring to "highly distinctive" coloration in life, "lime-green dorsally, with a darkened area along the base of the dorsal fin, and a reddish eye"

***Auriglobus modestus* (Bleeker 1850)**
modest or unassuming, allusion not explained, perhaps referring to dull or plain coloration compared to colorfully patterned congeners in *Arothron*, presumed subgenus at time of description

***Auriglobus nefastus* (Roberts 1982)**
wicked or abominable, referring to its primary diet of fish fins and scales

***Auriglobus remotus* (Roberts 1982)**
remote, referring to type locality (Kinabatangan basin, mouth of Sungai Deramakot, Malaysia)

***Auriglobus silus* (Roberts 1982)**
pug-nosed, allusion not explained, a character that seems to apply to all members of the genus

***Carinotetraodon* Benl 1957**
carino-, keeled, referring to ridges along backs and bellies of males that can be raised when displaying or threatening rivals; *Tetraodon*, similar to that genus in having short dorsal and anal fins

***Carinotetraodon borneensis* (Regan 1903)**
-ensis, suffix denoting place: southern Sarawak, Borneo, only known area of occurrence

***Carinotetraodon imitator* Britz & Kottelat 1999**
referring to color pattern that closely resembles that of *C. travancoricus*

***Carinotetraodon irrubesco* Tan 1999**
to redden or to blush, referring to red dorsal and caudal fins of mature males

***Carinotetraodon lorteti* (Tirant 1885)**
in honor of teacher and friend Louis Charles Émile Lortet (1836-1909), physician, botanist, zoologist, paleontologist, Egyptologist, anthropologist, and then-Dean of the School of Medicine and Director of its Museum in Lyon, France

***Carinotetraodon salivator* Lim & Kottelat 1995**
one who salivates, referring to distinct pale blotch on lower lip, which resembles a drop of saliva

***Carinotetraodon travancoricus* (Hora & Nair 1941)**
-icus, belonging to: central Travancore, Kerala, India, where type locality (Rambha [or Pamba] River) is situated

***Chelonodon* Müller 1841**
etymology not explained, *chelón* (χελών), historically applied to fishes with big lips (e.g., the mullet *Mugil chelo*, now known as *Chelon auratus*), from *cheîlos* (χεῖλος), lip or jaw; *odon*, Latinized and grammatically adjusted from the Greek nominative ὀδούς (*odoús*), tooth, perhaps alluding to how the teeth of pufferfishes are fused to the jaws; also, χελών is the etymological root of χελώνη, tortoise, but since turtles do not have teeth, that is probably not the meaning here

***Chelonodon alvheimi* (Psomadakis, Matsuura & Thein 2018)**
in honor of Oddgeir Alvheim (b. 1944), Institute of Marine Research (Bergen, Norway), for a "lifetime spent at sea on the R/V *Dr. Fridtjof Nansen*. Among his duties onboard, Oddgeir has made a tremendous effort to document the rich tropical marine fauna from surveyed regions around the world and firstly photographed this new species from a trawl haul off the coast of Myanmar in November 2013."

***Chelonodon kappa* (Hamilton 1822)**
from *Kappa Mura Moia*, local vernacular for this species as reported by Russell's *Descriptions and figures of two hundred fishes; collected at Vizagapatam on the coast of Coromandel* (1803)

***Chelonodon laticeps* Smith 1948**
latus, wide; *ceps*, head, allusion not explained, perhaps referring to "broad" interorbital

***Chelonodon leopardus* (Day 1878)**
presumably referring to leopard-like pattern of white spots on olive upper body

***Chelonodon patoca* (Hamilton 1822)**
from *Patoka*, local name for puffers (this one is called the "*great Patoka*") along the Ganges River estuaries of India (occurs in Indo-West Pacific from Madagascar, Persian Gulf, India and Sri Lanka east to French Polynesia, north to southern Japan, south to northern Australia and New Caledonia, in marine, brackish and fresh waters)

***Chelonodon pleurospilus* (Regan 1919)**
pleuro-, side; *spilos*, spot, referring to dark spots on sides, which form about three irregular longitudinal series, the spots of the lowest series confluent anteriorly to form a stripe from mouth to lower end of pectoral-fin base

***Chonerhinos* Bleeker 1854**
chonos, funnel; *rhinos*, snout, referring to funnel-shaped depression at nasal openings

***Chonerhinos naritus* (Richardson 1848)**
referring to nares or nostrils: "It differs also from any other fish we have seen in its nostril, which is single and has an orifice equal in extent to the length and breadth of the cavity."

***Contusus* Whitley 1947**
grind or crush, allusion not explained, perhaps referring to its tetraodontid teeth, which it uses to crush and even crack open prey items (e.g., crabs)

***Contusus brevicaudus* Hardy 1981**
brevis, short; *caudus*, tail, referring to "significantly" shorter caudal peduncle compared to *C. richei*

***Contusus richei* (Fréminville 1813)**
in honor of Claude Riche (1762-1797), naturalist on Bruni d'Entrecasteaux's 1791 expedition in search of the lost ships of Jean-François de Galaup, comte de La Pérouse, during which type was collected

***Dichotomyctere* Duméril 1855**
dichotomos, cut in two equal parts; *mycterus*, nostril, allusion not explained, presumably referring to bifid tentacle on each side of nostril of *D. fluviatilis*

***Dichotomyctere erythrotaenia* (Bleeker 1853)**
erythros, red; *taenia*, band or ribbon, referring to reddish stripe along upper part of lower, pale-colored area of body

***Dichotomyctere fluviatilis* (Hamilton 1822)**
of a river, referring to occurrence in fresh water (occurs in brackish water also)

***Dichotomyctere kretamensis* (Inger 1953)**
-*ensis*, suffix denoting place: Kretam Kechil River system, Kinabatangan District, East Coast Residency, Malaysia, type locality (also occurs in Indonesia)

***Dichotomyctere nigroviridis* (Marion de Procé 1822)**
nigro-, black, *viridis*, green, referring to dark spots on green upper body in life

***Dichotomyctere ocellatus* (Steindachner 1870)**
having eye-like spots, referring to 4-6 ocelli on body (highly variable, sometimes joining to form shape of the number 8)

***Dichotomyctere sabahensis* (Dekkers 1975)**
-*ensis*, suffix denoting place: endemic to Sabah and "perhaps to other parts of Borneo"

***Ephippion* Bibron 1855**
saddle, referring to back armed with bony plates, forming a sort of carapace

***Ephippion guttifer* (Bennett 1831)**
gutta, spot; *fero*, to bear, referring to white spots on upper body

***Feroxodon* Su, Hardy & Tyler 1986**
ferox, ferocious; *odon*, tooth, referring to its "fierce" biting habits, implicated in several unprovoked attacks on human toes (e.g., in 1979, a girl lost three toes to this puffer near Proserpine, Queensland, Australia)

***Feroxodon multistriatus* (Richardson 1854)**
multi-, many; *striatus*, striped, referring to numerous thin, brown and white lines on head and body curving toward tail

***Guentheridia* Gilbert & Starks 1904**
-*idia*, belonging to: ichthyologist-herpetologist Albert Günther (1830-1914), who described *G. formosa* in 1870 and, in 1869 (actually 1868), authored an "admirable summary of the state of our knowledge" of the fishes of Central America, with "valuable discussions of the faunal relations of both marine and freshwater forms"

***Guentheridia formosa* (Günther 1870)**
beautiful, presumably reflecting Günther's opinion of color pattern of juveniles, with cross lines on head, concentric rings enclosing rings on back, and reticulations on sides (adults are spotted)

***Javichthys* Hardy 1985**
Java, off southern coast of which where *J. kailolae* appears to be endemic; *ichthys*, fish

***Javichthys kailolae* Hardy 1985**
in honor of Patricia J. Kailola, The University of the South Pacific (Suva, Fiji), for her interest in and contribution to the knowledge of Indo-Pacific fishes

***Lagocephalus* Swainson 1839**
lagos, hare; *cephalus*, head, allusion not explained, presumably referring to powerful, hare-like incisor teeth of *L. stellatus*

and *L. pennantii* (both = *lagocephalus*) [not tautonymous with *Tetraodon lagocephalus* Linnaeus 1758 since Swainson did not mention that name]

***Lagocephalus cheesemanii* (Clarke 1897)**
in honor of England-born New Zealand botanist-naturalist Thomas Frederick Cheeseman (1846-1923), Curator of the Auckland Museum, who sent type to Clarke

***Lagocephalus guentheri* Miranda Ribeiro 1915**
in honor of ichthyologist-herpetologist Albert Günther (1830-1914), who described this puffer as a variety of *Tetrodon lunaris* in 1870

***Lagocephalus inermis* (Temminck & Schlegel 1850)**
unarmed, referring to smooth back and sides (spines on belly only)

***Lagocephalus laevigatus* (Linnaeus 1766)**
smoothed, referring to smooth back and sides (spines on belly only)

***Lagocephalus lagocephalus* (Linnaeus 1758)**
lagos, hare; *cephalus*, head, allusion not explained, presumably referring to its powerful, hare-like incisor teeth

***Lagocephalus lunaris* (Bloch & Schneider 1801)**
of the moon, referring to lunate caudal fin

***Lagocephalus sceleratus* (Gmelin 1789)**
noxious, an extremely poisonous and potentially deadly fish if eaten by humans; manuscript name coined by Johann Reinhold Forster (1729-1798), naturalist aboard Captain Cook's second voyage on HMS *Resolution*, after he, his son, and Captain Cook ate a small portion of this puffer's liver in New Caledonia and got very sick for three days

***Lagocephalus spadiceus* (Richardson 1845)**
nut-brown, referring to dorsal coloration

***Lagocephalus suezensis* Clark & Gohar 1953**
-*ensis*, suffix denoting place: Gulf of Suez, Suez, Egypt, type locality (occurs in Red Sea and Indo-West Pacific from Myanmar east to Indonesia, north to southern Japan, south to northern Australia, and in the Mediterranean as a Lessepsian immigrant)

***Leiodon* Swainson 1839**
leios, smooth and *odon*, tooth; Swainson proposed name on p. 194, but changed it to *Leisomus* (*somus*, body) on p. 328, indicating on both pages that the genus is distinguished by its smooth body, so perhaps *Leiodon* is a lapsus for *Leisomus* (Bleeker 1865, serving as first reviser, selected *Leiodon* over *Leisomus*)

***Leiodon cutcutia* (Hamilton 1822)**
etymology not explained, apparent latinization of *katkatiya*, a local Gangetic name (per Hamilton's notes as published by Hora in 1929)

***Leiodon dapsilis* (Whitley 1943)**
abundant or plentiful, allusion not explained nor evident[often placed in *Chelonodon*, here treated as a junior synonym of *Leiodon*]

***Marilyna* Hardy 1982**
in honor of Hardy's wife Marilyn, who "spared no efforts in bibliographic research throughout my studies on Australian tetraodontids, and who assisted uncomplainingly at poison stations in the hot, muddy, and potentially dangerous mangrove swamps of North Queensland"

***Marilyna darwinii* (Castelnau 1873)**
in honor of Charles Darwin (1809-1882), the "great naturalist of the age," for whom Darwin, Northern Territory, Australia (type locality) is named

***Marilyna meraukensis* (de Beaufort 1955)**
-*ensis*, suffix denoting place: Merauke River, southern New Guinea, type locality

***Marilyna pleurosticta* (Günther 1872)**
pleuro-, side; *stiktos*, spotted or blotched, referring to series of three black round spots on each side of body

***Omegophora* Whitley 1934**
omega, last letter of Greek alphabet; *phora*, to bear, probably referring to narrow, black, Ω-shaped ring around pectoral-fin base of *O. armilla*

***Omegophora armilla* (Waite & McCulloch 1915)**
bracelet, referring to narrow black ring around pectoral-fin base

***Omegophora cyanopunctata* Hardy & Hutchins 1981**
cyano-, blue; *punctata*, spotted, referring to blue spots on cheeks and sides

***Pao* Kottelat 2013**
from local names of pufferfishes in Thai (*pla pao*) and Lao (*pa pao*) languages, with *pla* and *pa* meaning fish and *pao* meaning purse

***Pao abei* (Roberts 1998)**
in honor of the late Tokiharu Abe (1911-1996), Zoological Institute of Tokyo University, a "lifelong student of pufferfishes"

***Pao baileyi* (Sontirat 1985)**
in honor of ichthyologist Reeve M. Bailey (1911-2011), Sontirat's professor at the University of Michigan, who gave him "a lot of knowledge in term[s] of fish anatomy" and was also interested in Thai freshwater fishes

***Pao barbatus* (Roberts 1998)**
bearded, presumably referring to three "bold" black marks on chin

***Pao bergii* (Popta 1905)**
patronym not identified, possibly in honor of Latvian zoologist Friedrich Wilhelm Karl ("Carlos") Berg (1843-1902), Museo Nacional de Buenos Aires

***Pao brevirostris* (Benl 1957)**
brevis, short; *rostris*, snout, proposed as a subspecies of *P. leiurus* with a shorter, blunter snout

***Pao cambodgiensis* (Chabanaud 1923)**
-*ensis*, suffix denoting place: Cambodia, where it is endemic

***Pao cochinchinensis* (Steindachner 1866)**
-*ensis*, suffix denoting place: Cochinchine (now southern Viêt Nam), type locality

***Pao fangi* (Pellegrin & Chevey 1940)**
in honor of Ping-Wen Fang (1903-1944), Metropolitan Museum of Natural History and Biological Laboratory of the Science Society of China, who specialized in the study of Chinese fishes

***Pao hilgendorfii* (Popta 1905)**
patronym not identified, possibly in honor of German zoologist and paleontologist Franz Hilgendorf (1839-1904)

***Pao leiurus* (Bleeker 1850)**
leios, smooth; *oura*, tail, referring to small spines covering head and body but absent on tail (and snout)

***Pao ocellaris* (Klausewitz 1957)**
having an eye-like spot, referring to large ocellus on sides

***Pao palembangensis* (Bleeker 1852)**
-*ensis*, suffix denoting place: Palembang, Sumatra, Indonesia, type locality

***Pao palustris* (Saenjundaeng, Vidthayanon & Grudpun 2013)**
of a marsh or swamp, referring to its primary habitat of marshlands, swamps and floodplains

***Pao suvattii* (Sontirat & Soonthornsatit 1985)**
in honor of Chote Suvatti (1904-?), former dean of the Faculty of Fisheries, Kasetart University, Bangkok, a "Thai-pioneer" ichthyologist (per Sontirat 1989)

***Pao turgidus* (Kottelat 2000)**
Latin for puffy, swollen, bombastic or pompous, clearly referring to its being a pufferfish

***Pao wesleywongi* Davinci, Putra, Adis, Pranadi, Zamroni, Muslimin, Kamil & Yulindra 2026**
in honor of Wesley Wong (Walnut, California, USA), exotic and rare tropical fish importer-wholesaler and "pufferfish enthusiast," for his "longstanding interest in freshwater pufferfishes" [first author is named Leonardo Davinci; a pseudonym?]

***Pelagocephalus* Tyler & Paxton 1979**
pelagius, of the sea, referring to "envisioned offshore, openwater habitat of the streamlined" *P. coheni*; *cephalus*, head, referring both to its "sleek" head and similarity of its name with that of *Lagocephalus*, "one of the several genera closely related to it"

***Pelagocephalus coheni* Tyler & Paxton 1979**
in honor of Daniel M. Cohen (1930-2017), then-Director of the National Systematics Laboratory of the National Marine Fisheries Service (Washington, D.C.), a "collector of many invaluable Indo-Pacific fishes for the use of others, and a benefactor of both of the authors on many occasions"

***Pelagocephalus marki* Heemstra & Smith 1981**
in honor of Mark Pote, who, in 1979, then a schoolboy, "found an unusual little puffer fish alive in a tide pool at Port Alfred on the southeast coast of South Africa. Despite his efforts to keep it alive, the fish died the next day and was then donated to the J.L.B. Smith Institute of Ichthyology" (now the South African Institute for Aquatic Biodiversity)

***Polyspina* Hardy 1983**
poly, many; *spina*, spine, an "extremely" spiny fish, its spine very long and dense over anterior ⅔ of body

***Polyspina piosae* (Whitley 1955)**
of PIOSA, type collected by Whitley while he was attending the Pan Indian Ocean Science Association's congress in Perth, Western Australia

***Reicheltia* Hardy 1982**
-*ia*, belonging to: John and Bonnie Reichelt, friends who assisted in seine netting along the southern New South Wales coast, whereby new locality records for *R. halsteadi* were obtained

***Reicheltia halsteadi* (Whitley 1957)**
in honor of physician-biotoxicologist Bruce W. Halstead (1920- 2002), for his studies on poisonous and venomous fishes [biographical footnote: in 1985, Halstead was convicted of fraud, and lost his license to practice medicine, after selling cancer patients a substance that was 99.4% water and contained a brownish sludge made up primarily of coliform bacteria]

***Sphoeroides* Anonymous 1798**
-*oides*, having the form of: *sphaera*, ball or sphere, referring to round shape when fish is inflated with air or water, especially when viewed from the front [published as a vernacular name by Lacepède in 1798, then latinized in an anonymous book review later that year, from whence the name dates]

***Sphoeroides andersonianus* Morrow 1957**
-*ianus*, belonging to: Wendell W. Anderson, Sr. (1901-1959), investment banker and yachtsman (Detroit, Michigan, USA), for his "stimulation in advancing marine research"; Anderson funded the Yale South American Expedition of 1953, during which type was collected

***Sphoeroides angusticeps* (Jenyns 1842)**
angustus, narrow; -*ceps*, head, referring to more elongate head compared to *S. annulatus* (described in same publication)

***Sphoeroides annulatus* (Jenyns 1842)**
ringed, referring to series of broad, oval, dark brownish-black rings, one within the other, on upper body, the outer and largest ring including nearly entire surface of back and sides

***Sphoeroides asellus* (Müller & Troschel 1849)**
small ass or donkey, allusion not explained nor evident

***Sphoeroides camila* Carvalho, Rotundo, Pitassy & Sazima 2023**
in honor of Camila Carvalho, one of the daughters of the lead author [a noun in apposition, without the genitive "*ae*"]

***Sphoeroides dorsalis* Longley 1934**
of the back, presumably referring to pair of skin flaps (lappets) on back, midway between eye and dorsal fin

***Sphoeroides georgemilleri* Shipp 1972**
in honor of George C. Miller, National Marine Fisheries Service, Southeast Fisheries Center, Miami Laboratory, who aided Shipp "greatly" in the collection of Central American materials for study; he also reviewed the manuscript

***Sphoeroides greeleyi* Gilbert 1900**
in honor of ichthyologist-physiologist Arthur W. Greeley (1875-1904), San Diego State Normal School (California, USA), who collected type [biographical footnote: Greeley died in St. Louis, age 28, after an appendectomy]

***Sphoeroides kendalli* Meek & Hildebrand 1928**
in honor of William C. Kendall (1861-1939), U. S. Bureau of Fisheries, for his many "valuable" contributions to our knowledge of American ichthyology

***Sphoeroides lispus* Walker 1996**
smooth, referring to lack of spinules and lappets (skin flaps)

***Sphoeroides lobatus* (Steindachner 1870)**
lobed, presumably referring to pair of skin lobes on back and/or small triangular flaps of skin (cirri) scattered along sides

***Sphoeroides maculatus* (Bloch & Schneider 1801)**
spotted, referring to scattered black spots on back, sides and cheeks

***Sphoeroides marmoratus* (Lowe 1838)**
marbled, referring to diffuse brownish-black spots or blotches on body [*Tetraodon laevissimus* Bowdich 1825 is a senior synonym treated as a *nomen oblitum*]

***Sphoeroides nephelus* (Goode & Bean 1882)**
with cloud-like spots or white specks, allusion not explained, perhaps referring to many small rosettes of pale dots on upper body

***Sphoeroides pachygaster* (Müller & Troschel 1848)**
pachys, thick; *gaster*, belly, allusion not explained, perhaps referring to thick, inflatable belly

***Sphoeroides parvus* Shipp & Yerger 1969**
small, not known to reach 120 mm SL

***Sphoeroides psittacus* (Bloch & Schneider 1801)**
parrot, allusion not explained, possibly referring to fused teeth that form beak-like plates, giving it a parrot-like appearance

***Sphoeroides rosenblatti* Bussing 1996**
in honor of Richard H. Rosenblatt (1930-2014), Scripps Institution of Oceanography, for his contribution to the biology of fishes, especially those of the eastern tropical Pacific region

***Sphoeroides sechurae* Hildebrand 1946**
of Sechura Bay, Peru, type locality

***Sphoeroides spengleri* (Bloch 1785)**
in honor of friend and fellow naturalist Lorentz Spengler (1720-1807) of Copenhagen, who sent type specimen to Bloch

***Sphoeroides testudineus* (Linnaeus 1758)**
like a turtle (*testudo*), presumably referring to turtle-like head or jaws, dating to "orbis oblongus testudinis capite" in Clusius' *Exoticorum libri decem* (1605)

***Sphoeroides tocantinensis* (Amaral, Brito, Silva & Carvalho 2013)**
-*ensis*, suffix denoting place: Tocantins, Brazil, where type locality (Porto Nacional) is situated (named for the state, not the Tocantins River, where it occurs)

***Sphoeroides trichocephalus* (Cope 1870)**
trichos, hair; *cephalus*, head, referring to "long, close set" spinules on head, "like seal bristles"

***Sphoeroides tyleri* Shipp 1972**
in honor of plectognath taxonomist James C. Tyler (b. 1935), then of the Lerner Marine Laboratory (Bimini, Bahamas); he also reviewed Shipp's manuscript

***Sphoeroides yergeri* Shipp 1972**
in honor of ichthyologist Ralph W. Yerger (1922-2003), Florida State University

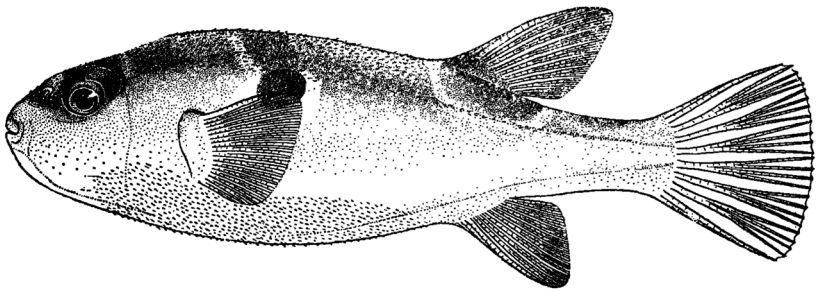
***Takifugu* Abe 1949**
taki-fugu, Japanese name for *T. oblongus*, *taki* possibly meaning "to be cooked in liquid" (per FishBase), and *fugu* meaning pufferfish [type species is fixed by indication (monotypy), so authorship does not date to Marshall & Palmer 1950 in *Zoological Record* as indicated by some; *Gastrophysus* Müller 1843 is a senior synonym used by some workers but is unofficially suppressed since *Takifugu* is in prevailing usage, in which case the ICZN should be petitioned to rule on the matter; other workers treat *Gastrophysus* as a synonym of *Lagocephalus*]

***Takifugu alboplumbeus* (Richardson 1845)**
albus, white; *plumbeus*, lead-colored, referring to numerous white spots on lead-colored upper body

***Takifugu bimaculatus* (Richardson 1845)**
bi-, two; *maculatus*, spotted, referring to black spot on side and another at base of pectoral fin

***Takifugu chrysops* (Hilgendorf 1879)**
chrysos, gold; *ops*, eye, referring to gold-red or yellow iris

***Takifugu coronoidus* Ni & Li 1992**
corona-like, referring to pale and wide coronal rim surrounding dark-brown ocellus on upper-posterior pectoral fin



Takifugu orbimaculatus. From: Kuang, Y.-D., C.-S. Li and S.-H. Liang. 1984. A new species of the genus *Takifugu* (Tetraodontiformes) — *Takifugu orbimaculatus*. *Transactions of Oceanology and Limnology* No. 4: 58-61.

***Takifugu exascurus* (Jordan & Snyder 1901)**
excultus, adorned; *oura*, tail, presumably referring to caudal-fin rays "distinctly spotted and reticulated like sides of body"

***Takifugu flavidus* (Li, Wang & Wang 1975)**
yellowish, referring to "pure yellow" (translation) color on sides of adult specimens

***Takifugu flavipterus* Matsuura 2017**
flavus, yellow; *pterus*, fin, referring to yellow anal fin

***Takifugu guttulatus* (Richardson 1845)**
diminutive of *guttatus*, dotted, described as having "numerous whitish round dots" on dorsum in spirits

***Takifugu oblongus* (Bloch 1786)**
oblong, referring to more elongate body compared to *Sphoeroides testudineus*, its presumed congener at the time

***Takifugu obscurus* (Abe 1949)**
dark, allusion not explained, presumably referring to dark-brown coloration in life (except for white belly and orange lower sides) and/or dark-brown dorsal, caudal and pectoral fins (even in formalin)

***Takifugu ocellatus* (Linnaeus 1758)**
having eye-like spots, referring to ocellus behind pectoral fin (which usually connects with ocellus on other side of body, forming a saddle across the back)

***Takifugu orbimaculatus* Kuang, Li & Liang 1984**
orbis, circle or ring; *maculatus*, spotted, referring to moderately dark ocellus formed laterally behind pectoral fin

***Takifugu pardalis* (Temminck & Schlegel 1850)**
like a leopard, referring to leopard-like color pattern of black spots on orange background of back and upper body

***Takifugu plagiocellatus* Li 2002**
plagios, side; *ocellatus*, having eye-like spots, referring to ocellus on side above pectoral fin [possibly a synonym of *T. guttulatus*]

***Takifugu porphyreus* (Temminck & Schlegel 1850)**
purplish, referring to body color, "brown tending to strongly purple" (translation) in life

***Takifugu radiatus* (Abe 1947)**
radiate, referring to "whitish, radiating ring" around black blotch near posterior part of pectoral fin (per Abe 1948)

***Takifugu reticularis* (Tian, Cheng & Wang 1975)**
reticular, referring to "blackish network" (translation) on back of adult specimens

***Takifugu rubripes* (Temminck & Schlegel 1850)**
ruber, red; *pes*, foot, usually referring to pelvic fins (which puffers lack), in this case probably referring to red anal fin

***Takifugu snyderi* (Abe 1988)**
in honor of ichthyologist John Otterbein Snyder (1867-1943), who reviewed Japanese plectognaths with David Starr Jordan in 1901

***Takifugu stictonotus* (Temminck & Schlegel 1850)**
stictos, spotted; *notos*, back, referring to densely spotted back and upper body

***Takifugu variomaculatus* Li & Kuang 2002**
vario-, various; *maculatus*, spotted, referring to variously shaped spots on back

***Takifugu vermicularis* (Temminck & Schlegel 1850)**
vermiculate, referring to "large number of vermiculated lines" (translation) on head and upper body

***Takifugu xanthopterus* (Temminck & Schlegel 1850)**
xanthus, yellow; *pterus*, fin, referring to its yellow fins

***Tetractenos* Hardy 1983**
tetra, four; *ctenos*, comb, referring to four gill rakers on each of the anterior ceratobranchials, compared to two rows in related genera [junior objective synonym of *Aphanacanthus* Le Danois 1959 (*aphanes*, inconspicuous; *acanthus*, thorn or spine, a ms. name coined by Bibron some time before his death in 1848, possibly referring to short spines on back and/or minute spines on cheek of unknown species now provisionally identified as *T. hamiltoni*), but prevailing usage may apply]

***Tetractenos glaber* (Fréminville 1813)**
bald or smooth, described as "absolutely devoid of spines" (translation) on body, but spines are minute and embedded

***Tetractenos hamiltoni* (Richardson 1846)**
in honor of William Hamilton (1762-1829), surgeon and superintendent of a Royal Navy convict ship, who

presented type to the Museum of Haslar Hospital (Hampshire, England), where Richardson studied it after he established the museum in 1838

Tetraodon **Linnaeus 1758**
tetra-, four; *odon*, tooth, referring to four fused teeth (but separated by a median suture) in jaws

Tetraodon duboisi **Poll 1959**
in honor of A. Dubois, Belgian pharmacist and aquarist, who collected type and kept it in his aquarium, showing Poll that it differed from the similarly colored *T. schoutedeni* in shape and behavior

Tetraodon lineatus **Linnaeus 1758**
lined, referring to alternating light-and-dark bands or stripes on body

Tetraodon mbu **Boulenger 1899**
local name for this puffer in what is now Ubangi Province, Democratic Republic of the Congo

Tetraodon miurus **Boulenger 1902**
curtailed, referring to smaller, truncate caudal fin compared to larger, rounded caudal fin of *T. mbu*

Tetraodon pustulatus **Murray 1857**
blistered, presumably referring to "number of small prickles" covering belly

Tetraodon schoutedeni **Pellegrin 1926**
in honor of zoologist Henri Schouteden (1881-1972), who collected many new species in the Belgian Congo, including type of this one

Torquigener **Whitley 1930**
etymology not explained, perhaps *torquatus*, adorned with a necklace or collar, referring to row of papillae in front of gill-openings of *T. tuberculiferus*, and *gena* or *genio-*, cheek or chin, referring to prominent, raised chin [name does not refer to their ability to build circular nests on sandy sea bottom (*torquis*, ring; *gener*, to cause) as reported by Wikipedia since this behavior was not yet known by 1930]

Torquigener albomaculosus **Matsuura 2014**
albus, white; *maculosus*, spotted, referring to many white spots on body

Torquigener altipinnis **(Ogilby 1891)**
alti-, high; *pinnis*, fin, referring to "high and falcate" dorsal and anal fins, "the second or highest ray of the former being two and a half times the height of the last ray, while in the latter there is a corresponding difference though in a lesser degree"

Torquigener andersonae **Hardy 1983**
in honor of Jennifer M. E. Anderson, a "very friendly and pleasant colleague, with whom [Hardy] shared working facilities whilst at the University of New South Wales"

Torquigener brevipinnis **(Regan 1903)**
brevis, short; *pinnis*, fin, referring to "shortness of the bases of the dorsal and anal fins" compared to *T. hypselogeneion*

Torquigener flavimaculosus **Hardy & Randall 1983**
flavus, yellow; *maculosus*, spotted, referring to its many yellow spots, particularly in the mid-lateral row of its body [treated as a junior synonym of *T. hypselogeneion* by some workers]

Torquigener florealis **(Cope 1871)**
flowery, allusion not explained, possibly referring to floral-like pattern of whitish spots on dorsum, delineated by a rosette of smaller brown spots

Torquigener gloerfelti **Hardy 1984**
in honor of independent fisheries consultant Thomas Gloerfelt-Tarp (b.1949), "who has labored for some years compiling an extensive and well-documented account of Indonesian fishes, and who has provided [Hardy] with many tetraodontid specimens," including presumably type of this one

Torquigener heemstrai **Matsuura 2024**
in honor of the late Phillip C. Heemstra (1941–2019), Rhodes University (Grahamstown), for his "great" contribution to ichthyology in South Africa (where this pufferfish occurs)

Torquigener hicksi **Hardy 1983**
in honor of marine biologist Geoffrey R.F. Hicks, Curator of Crustacea, National Museum of New Zealand, a "close friend and colleague" who read and commented on parts of Hardy's manuscript

Torquigener hypselogeneion **(Bleeker 1852)**
hypselos, high; *geneion*, cheek, referring to prominent, raised chin

Torquigener marleyi **(Fowler 1929)**
in honor of Natal fisheries officer Harold Walter Bell-Marley (1872-1945), who collected many South African fishes for Fowler, including type of this one

***Torquigener pallimaculatus* Hardy 1983**
pallidus or *pallens*, pale; *maculatus*, spotted, referring to moderately large, irregularly rounded, pale spots on dorsum

***Torquigener parcuspinus* Hardy 1983**
parcus, sparing; *spinus*, spine, referring to "sparse spination" in contrast to "relatively dense spination" of the superficially similar *T. squamicauda*

***Torquigener paxtoni* Hardy 1983**
in honor of ichthyologist John R. Paxton (b. 1938), Australian Museum (Sydney), "in gratitude for his interest, cooperation and helpful advice" during Hardy's revision of the genus

***Torquigener perlevis* (Ogilby 1908)**
very smooth, referring to complete absence of dermal spinules

***Torquigener pleurogramma* (Regan 1903)**
pleuro-, side; *gramma*, line, presumably referring to a "golden band on the sides usually bearing one or two longitudinal dark stripes and separated from the colour of the back by a dark longitudinal stripe, that of each side being connected across the back by two rather indistinct dark cross-bands, one behind the pectorals, the other through the base of the dorsal"

***Torquigener randalli* Hardy 1983**
in honor of ichthyologist John E. Randall (1924-2020), Bishop Museum (Honolulu), for his "interest and cooperation in both this and other studies undertaken" by Hardy

***Torquigener squamicauda* (Ogilby 1910)**
squamus, scale; *cauda*, tail, referring to strongly developed double rows of flattened spine-enveloping papillae on both sides of lateral line extending to caudal-fin base

***Torquigener tuberculiferus* (Ogilby 1912)**
tuberculum, small protuberance; *fero*, to bear, referring to 7-8 fleshy tubercles on outer anterior edge of gill opening

***Torquigener vicinus* Whitley 1930**
near or neighboring, allusion not explained, perhaps referring to its proposal as a subspecies of *T. tuberculiferus*

***Torquigener whitleyi* (Paradice 1927)**
in honor of Australian ichthyologist-malacologist Gilbert Percy Whitley (1903-1975), for his work in identifying fishes collected by the H.M.A.S. *Geranium*, including type of this one

***Tylerius* Hardy 1984**
-ius, belonging to: in honor of James C. Tyler (b. 1935), for his "very considerable" contributions to our knowledge of the classification of plectognath fishes

***Tylerius spinosissimus* (Regan 1908)**
very spiny, referring to head and body (but not tail) "entirely covered with rather strong two-rooted spines"

Subfamily Canthigastrinae Sharpnose Puffers or Tobies

***Canthigaster* Swainson 1839**
[*a*]*canthus*, thorn or spine; *gaster*, belly, referring to conspicuous two-rooted prickles on belly of *C. rostrata*

***Canthigaster amboinensis* (Bleeker 1864)**
-ensis, suffix denoting place: Ambon Island, Moluccas Islands, Indonesia, type locality (occurs in Indo-West Pacific from South Africa, East Africa, Seychelles, Comoros, Madagascar and western Mascarenes east to Hawaiian Islands, north to southern Japan, south to Great Barrier Reef and New Caledonia, with waifs reaching Galápagos Archipelago)

***Canthigaster axiologus* Whitley 1931**
axios, worthy or fit; *logos*, word (marking), allusion not explained, presumably referring to "small round dots on the upper surface and on the caudal fin, and two oblique black bars on the forepart of the belly"

***Canthigaster aziz* Matsuura, Bogorodsky, Mal & Alpermann 2020**
named after King Abdulaziz University (Jeddah, Saudi Arabia), for providing the authors with research facilities and financial support during the Red Sea Biodiversity Project, during which type was collected

***Canthigaster bennetti* (Bleeker 1854)**
in honor of John Whitchurch Bennett (1790-1853), British military officer posted to Ceylon (now Sri Lanka), printer, naturalist, and author of *A Selection from the Most Remarkable and Interesting Fishes Found on the Coast of Ceylon* (1828-1830), whose illustration of this species, Bleeker said, captured its salient features

***Canthigaster caeruleolineata* Fricke, Wickel, Pinault, Nicet & Delrieu-Trottin 2022**
caeruleus, light blue; *lineatus*, lined, referring to numerous short, blue lines on head and body

***Canthigaster callisterna* (Ogilby 1889)**
etymology not explained, perhaps *calli-*, beautiful, and *sterna*, extended, referring to two dark-brown bands, the first extending from snout to upper caudal fin rays, the second from lower jaw to lower caudal-fin rays (*sterna*

could also translate as "chested," possibly referring to transverse bands on throat)

***Canthigaster capistrata* (Lowe 1839)**
bridled, muzzled or masked, allusion not explained nor evident

***Canthigaster compressa* (Marion de Procé 1822)**
compressed, referring to laterally compressed head and body (a characteristic of the subfamily distinguishing it from Tetraodontinae)

***Canthigaster coronata* (Vaillant & Sauvage 1875)**
crowned, allusion not explained nor evident

***Canthigaster criobe* Williams, Delrieu-Trottin & Planes 2012**
named for the Centre de Recherche Insulaire et Observatoire de l'Environnement (CRIOBE), Moorea, French Polynesia, in recognition of the laboratory's continuing support of marine research in French Polynesia

***Canthigaster cyanetron* Randall & Cea-Egaña 1989**
cyano-, blue; *etron*, abdomen or belly, referring to predominantly blue color of abdomen due to numerous close-set blue stripes

***Canthigaster cyanospilota* Randall, Williams & Rocha 2008**
cyano-, blue; *spilota*, marked, referring to numerous small bright-blue markings on body of living specimens (dark brown in alcohol)

***Canthigaster epilampra* (Jenkins 1903)**
epi-, upon, beside, over or after; *lamprus*, shining or beautiful, allusion not explained nor evident

***Canthigaster figueiredoi* Moura & Castro 2002**
in honor of Jose Lima de Figueiredo (b. 1943), Museu de Zoologia da Universidade de São Paulo, for contributions to the advancement of the taxonomy of Brazilian marine fishes, and his "long-term encouragement and support" to the authors

***Canthigaster flavoreticulata* Matsuura 1986**
flavus, yellow; *reticulata*, net-like or netted, referring to reticulated yellow lines on body

***Canthigaster inframacula* Allen & Randall 1977**
infra-, below; *macula*, spot, referring to diagnostic black spot on lower half of body

***Canthigaster investigatoris* (Annandale & Jenkins 1910)**
-is, genitive singular of: Royal Indian Marine Survey steamer *Investigator*, from which type was collected

***Canthigaster jactator* (Jenkins 1901)**
boaster or braggart, allusion not explained, perhaps referring to its ability to inflate and/or its larger spots and more distended belly compared to the "very similar" *C. punctatissima*

***Canthigaster jamestyleri* Moura & Castro 2002**
in honor of James C. Tyler (b. 1935), for his help and advice to the authors, and for his many contributions to the study of the systematics of plectognath fishes

Canthigaster leoparda. From: Lubbock, R. and G. R. Allen. 1979. *Canthigaster leoparda* a new sharpnose pufferfish (Teleostei: Tetraodontidae) from the central Indo-Pacific. *Revue française d'Aquariologie Herpétologie* v. 6 (no. 3): 87-90.

***Canthigaster janthinoptera* (Bleeker 1855)**
ianthus (with Latin "*i*" replaced by Roman "*j*"), purple or violet; *ptera*, finned, described as having purple fins (not evident in contemporary descriptions and photographs)

***Canthigaster leoparda* Lubbock & Allen 1979**
referring to leopard-like dark spots on sides

***Canthigaster margaritata* (Rüppell 1829)**
adorned with pearls, referring to numerous sky-blue spots on body

***Canthigaster marquesensis* Allen & Randall 1977**
-*ensis*, suffix denoting place: Marquesas Islands, where it is endemic

***Canthigaster natalensis* (Günther 1870)**
-*ensis*, suffix denoting place: Port Natal (now Durban, South Africa), type locality (occurs in southwestern Indian Ocean from East Africa and South Africa to Mozambique Channel and western Mascarenes)

***Canthigaster ocellicincta* Allen & Randall 1977**
ocellus, eyespot, referring to dark-brown ocellus at base of dorsal fin; *cincta*, belted or encircled, presumably referring to two brownish bars with intermediate whitish area between posterior portion of head and level of dorsal fin origin

***Canthigaster papua* (Bleeker 1848)**
presumably derived from *Ikan Papoea d'jantan* ("male Papuan fish"), name given to this puffer by Dutch naturalist François Valentijn (1666-1727, also spelled Valentyn) in 1726

***Canthigaster petersii* (Bianconi 1854)**
patronym not identified but probably in honor of herpetologist-explorer Wilhelm Peters (1815-1883), Director of the Berlin Museum, who traveled to Africa and returned to Berlin with an enormous collection of natural history specimens, and who is cited several times in Bianconi's follow-up paper later in 1854

***Canthigaster punctata* Matsuura 1992**
spotted, referring to dark spots on dorsal half of body, unlike the similar *C. flavoreticulata*, which has irregular dark lines

***Canthigaster punctatissima* (Günther 1870)**
very spotted, referring to entire body behind head covered with numerous round, whitish spots

***Canthigaster pygmaea* Allen & Randall 1977**
small or dwarf, referring to very small size, with mature ova in females of only 25 mm SL

***Canthigaster rapaensis* Allen & Randall 1977**
-*ensis*, suffix denoting place: Rapa Island (now called Rapa Iti), French Polynesia, type locality

***Canthigaster rivulata* (Temminck & Schlegel 1850)**
rivulated, i.e., marked by irregular streaks, presumably referring to "small lines and flexuous stripes of dark sky-blue intertwined in various directions" (translation) on nape and upper body

***Canthigaster rostrata* (Bloch 1786)**
beaked, referring to long and pointed snout

***Canthigaster sanctaehelenae* (Günther 1870)**
of Saint Helena Island in the southern-central Atlantic, type locality (also occurs at Ascension Island)

***Canthigaster smithae* Allen & Randall 1977**
in honor of Margaret Mary Smith (1916-1987), first director of the J.L.B. Smith Institute of Ichthyology (now the South African Institute for Aquatic Biodiversity), who assisted the junior author in collecting fishes at Mauritius and provided paratype of *C. smithae* collected off Durban (reported and figured as *C. rostratus* by Smith in 1965)

***Canthigaster solandri* (Richardson 1845)**
in honor of Swedish naturalist Daniel Solander (1733-1782), who discovered this species during Cook's first voyage (1768-1771) and described it in an unpublished manuscript

***Canthigaster supramacula* Moura & Castro 2002**
supra-, above; *macula*, spot, referring to ocellus-like spot on side of body, slightly ventral and anterior to dorsal-fin base

***Canthigaster tyleri* Allen & Randall 1977**
in honor of plectognath taxonomist James C. Tyler (b. 1935), who sent Allen and Randall the first specimen from the Comoro Islands (now designated as a paratype)

***Canthigaster valentini* (Bleeker 1853)**
in honor of Dutch naturalist François Valentijn (1666-1727, also spelled Valentyn), who was the first to write about this species (as *Ikan kaskasse*) in 1726