

Catalog of Fishes Errata January 2018 - 35 pages

Dennis Polack Fishwisepro

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Esguícero, A. L. H. and R. M. C. Castro 2014 (Aug.) [ref. 33506]

Knodus figueiredoi, a new characid from the Rio Gasças, upper Rio Araguaia basin, Brazil, with comments on the taxonomic limits of the genera *Knodus* and *Bryconamericus* (Teleostei: Characidae). Ichthyological Exploration of Freshwaters v. 25 (no. 1): 39-48.

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Figueiredoi, Knodus Esguícero [R. M. C.] & Castro [R. M. C.] 2014:40, Figs. 1-4. 5c [Ichthyological Exploration of Freshwaters v. 25 (no. 1); ref. 33506] Guiratinga Municipality, Rio das Gasças, upper Rio Araguaia basin, 16°13'11"N, 53°35'59"W, Brazil. Holotype: LIRP 10238. Paratypes: DZSJRP, INPA, LIRP, NUP. Type catalog: Andrade et al. 2017:441 [ref. 35588]. •Valid as *Knodus figueiredoi* Esguícero & Castro 2014. **Current status:** Valid as *Knodus figueiredoi* Esguícero & Castro 2014. Characidae: Stevardiinae. Distribution: Rio das Gasças, upper Rio Araguaia basin, Brazil. Habitat: freshwater.

Esguícero [A. L. H.]

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haema, Hippocampus Han , [S.-Y.], Kim [J.-K.], Kai [Y.] & Senou [H.] 2017:129, Figs. 3A-E, 4A, 5A-B, 6A, 6D [ZooKeys No. 712; ref. 35660] Namcheon Harbor, Namcheon I-dong, Suyeong-gu, Busan, Korea, 35°08'16"N, 129°06'51"E. Holotype: PKU 9641. Paratypes: FAKU, KAUM, KPM-NI, NIBR, PKU, RMNH.PISC.D. •Valid as *Hippocampus haema* Han, Kim, Kai & Senou 2017. **Current status:** Valid as *Hippocampus haema* Han, Kim, Kai & Senou 2017. Syngnathidae: Syngnathinae. Distribution: Korea and Japan. Habitat: marine.

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umutturali, Diplecogaster Bilecenoğlu [M.], Yokeş [M. B.] & Kovačić [M.] 2017:212, Figs. 1-3 [Zoology in the Middle East v. 63 (no. 3); ref. 35501] Akıncı Burnu, Turkish Levant coast, Iskenderun Bay, 36°19'30"N, 35°47'00"E, depth 0.3 meters. Holotype: ESFM-PIS/2005-005. Paratypes: ESFM-PIS. •Valid as *Diplecogaster umutturali* Bilecenoğlu, Yokeş & Kovačić 2017. **Current status:** Valid as *Diplecogaster umutturali* Bilecenoğlu, Yokeş & Kovačić 2017. Gobiesocidae: Lepadogastrinae. Distribution: Turkish Levant coast. Habitat: marine.

Bilecenoğlu - Not normally shown with diacritical mark.

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fowlerae, Glyphis Compagno [L. J. V.], White [W. T.] & **Cavanagh** [R. D.] 2010:31, Figs. 1-4 [CSIRO Marine and Atmospheric Research Paper No. 032; ref. 30848] Kampung Abai, Kinabatangan River, Sabah, Malaysia, 5°41'10.81"N, 118°23'08.35"E. Holotype: IPMB 38.14.02. Paratypes (13): BMNH, CSIRO, IPMB, NMW, SMEC. Plus additional material (1). •Valid as *Glyphis fowlerae* Compagno, White & Cavanagh 2010 -- (Berra 2010:109 [ref. 31120], Last et al. 2010:118 [ref. 32461], Naylor et al. 2012:29 [ref. 34345] see remarks, Kottelat 2013:22 [ref. 32989], Shimada et al. 2016:237 [ref. 34719]). •Synonym of *Glyphis gangeticus* (Müller & Henle 1839) -- (Li et al. 2015:13304 [ref. 34446]). **Current status:** Synonym of *Glyphis gangeticus* (Müller & Henle 1839). Carcharhinidae. Distribution: Malaysia, Borneo (if valid). Habitat: brackish.

Cavanaugh

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Crampton, W. G. R., K. C. Hulén and J. S. Albert 2004 [ref. 27652]

Sternopygus branco: a new species of neotropical electric fish (Gymnotiformes: Sternopygidae) from the lowland Amazon basin, with descriptions of osteology, ecology, and electric organ discharges. *Copeia* 2004 (no. 2): 245-259.

Probably **K. G. Hulén**

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Crampton, W. G. R., Hulén, K. G and J. S. Albert 2004 (June) [ref. 27764]
Redescription of *Sternopygus obtusirostris* (Gymnotiformes: Sternopygidae) from the Amazon basin, with description of osteology, ecology and electric organ discharges. *Ichthyological Exploration of Freshwaters* v. 15 (no. 2): 121-134.

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Hulén, K. G., W. G. R. Crampton and J. S. Albert 2005 (24 Nov.) [ref. 28485]
Phylogenetic systematics and historical biogeography of the Neotropical electric fish *Sternopygus* (Teleostei: Gymnotiformes). *Systematics and Biodiversity* v. 3 (no. 4): 407-432.

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imitata, Eviota Greenfield [D. W.], **Tornabene [L.] & Erdmann [M. E.]** 2017:88, Figs. 1-3, 5 [Journal of the Ocean Science Foundation v. 26; ref. 35646]
Indonesia, Raja Ampat, Kawe, Eagle Rock, 00°8.356'S, 130°7.388'E, depth 10 meters. Holotype: MZB 23844. Paratypes: CAS •*Eviota imitata* Greenfield, Tornabene & Erdmann 2017. **Current status:** Valid as *Eviota imitata* Greenfield, Tornabene & Erdmann 2017. Gobiidae: Gobiinae. Distribution: Raja Ampat, Indonesia. Habitat: marine.

Tornabene [L.] & Erdmann [M. V.]

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Steele, S. E., E. Liverpool and H. López-Fernández 2013 (29 July) [ref. 32810]

Krobia petitella, a new species of cichlid fish from the Berbice River in Guyana (Teleostei: Cichlidae). *Zootaxa* 3693 (no. 2): 152-162.

Normally shown as **E. A. Liverpool**

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petitella, Krobia Steele [S. E.], **Liverpool [F.] & López-Fernández [H.]** 2013:152, Figs.2, 3a, 4 [Zootaxa 3693 (no. 2); ref. 32810] East Berbice River: Just upstream of Kwakwani, 5°14'57.8"N; 58°05'11.5"W, Guyana. Holotype: UG/CSBD 1662. Paratypes: many at ROM. •Valid as *Krobia petitella* Steele, Liverpool & López-Fernández 2013. **Current status:** Valid as *Krobia petitella* Steele, Liverpool & López-Fernández 2013. Cichlidae: Cichlinae. Distribution: Berbice River drainage, Guyana. Habitat: freshwater.

Liverpool [E. A.]

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winterbottomi, Gobiodon Suzuki [T.], **Yanao [K.] & Senou [H.]** 2012:61, Figs. 1-3 [Bulletin of the National Museum of Nature and Science (Ser. A) Supplement No. 6; ref. 32027] Funauki inlet, Iriomote-jima Island, Yaeyama Islands, the Ryukyu Islands, Japan, depth 5 meters. Holotype: KPM-NI 5887. Paratypes: NSMP-P 106563 (1), KPM-NI 5889 (1). •Valid as *Gobiodon winterbottomi* Suzuki, Yanao & Senou 2012 -- (Herler et al. 2013:327 [ref. 32889], Shibukawa et al. 2013:144 [ref. 32951]). **Current status:** Valid as *Gobiodon winterbottomi* Suzuki, Yanao & Senou 2012. Gobiidae: Gobiinae. Distribution: Yaeyama Islands, the Ryukyu Islands, Japan. Habitat: marine.

Yano [K.]

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Zawadzki, C. H., S. O. Kullandar and F. C. T. Lima 2012 (29 June) [ref. 32031] [See ref. online](#)

A new armored catfish species of the genus *Hypostomus* Lacépède, 1803 (Siluriformes: Loricariidae) from the upper rio Xingo basin, Brazil. Neotropical Ichthyology v. 10 (no. 2): 245-253.

Kullander

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Duringlanis (subgenus of *Centromochlus*) Grant [S.] 2015:1 [ref. 33806]. Masc. *Centromochlus perugiae* Steindachner 1882. Type by original designation. •Synonym of *Centromochlus* Kner 1858. **Current status:** Synonym of *Centromochlus* Kner 1858. Auchenipteridae: Centromochlinae.

Genus possibly *Glanidium* Lütken [C. F.] 1874

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Acroteriobatus* (subgenus of *Rhinobatus*)** Giltay [L.] 1928:26 [ref. 5065]. Masc. *Rhinobatus (Syrrhina) annulatus* Müller & Henle 1841. Type by subsequent designation. Type apparently designated first by Fowler 1969:141 [ref. 6832]. •Synonym of *Rhinobatos* Linck 1790, but a valid subgenus *Acroteriobatus* as described -- (Compagno 1999:485 [ref. 25589]). •Valid as *Acroteriobatus* Giltay 1928 -- (Weigmann 2016:84 [ref. 34211], Last et al. 2016:465 [ref. 34473] in Rhinobatidae, Last et al. 2016:276 [ref. 34741], Séret et al. 2016:78 [ref. 34993], Ebert & Gon 2017:204 [ref. 35352]). **Current status:** **Valid as *Acroteriobatus Giltay 1928. Rhinobatidae.

I find this very confusing and illogical. How can *Acroteriobatus* be a subgenus of *Rhinobatus* and at the same time be valid genus.

There are numerous examples of this which to me doesn't make any sense. I am probably missing something.

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Plagiusa Rafinesque [C. S.] 1815:83 [ref. 3584]. Fem. As "*Plagiusa* R. sp. do.," meaning a new name for a species of the preceding genus (*Pleuronectes*). Not available, name only (apparently intended for *Pleuronectes plagusia* Linnaeus). •In the synonymy of *Symphurus* Rafinesque 1810. **Current status:** Synonym of *Symphurus* Rafinesque 1810. Cynoglossidae: Symphurinae.

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Plagusia Jarocki [F. P.] 1822:295 [ref. 4984]. Fem. On Official Index as a junior homonym of ***Plagusia Latreille 1804*** (Opinion 712).

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***Plagusia Latreille 1804* not included in CoF genera.**

See below:

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Plagusia Browne [P.] 1789:445 [ref. 669]. Fem. Not available, published in rejected work on Official Index (Opinion 89). Based on Browne 1756:445 [ref. 30188]. **Current status:** Synonym of *Symphurus* Rafinesque 1810. Cynoglossidae: Symphurinae.

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Plagusia Cuvier [G.] (ex Browne) 1816:224 [ref. 993]. Fem. *Pleuronectes plagusia* of Bloch & Schneider (not Linnaeus) 1801. Type not fully researched. Apparently objectively invalid; preoccupied by *Plagusia* Latreille 1804 in Crustacea. •In the synonymy of *Symphurus* Rafinesque 1810 -- (Torchio 1973:635 [ref. 6892]). **Current status:** Synonym of *Symphurus* Rafinesque 1810. Cynoglossidae: Symphurinae.

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Plagusia Bonaparte [C. L.] 1833:puntata 27 [ref. 516]. Fem. *Plagusia lactea* Bonaparte 1833. Type by original designation. Described on unnumbered pp. 7-8 in puntata 27;

apparently can be regarded as an original description, and with "Ci è sembrato opportuno il riguardarlo come tipo d'un genere da se, e per questo abbiamo adottato il nome *Plagusia*." Objectively invalid; preoccupied by *Plagusia* Latreille 1804 in Crustacea. •In the synonymy of *Symphurus* Rafinesque 1810. **Current status:** Synonym of *Symphurus* Rafinesque 1810. Cynoglossidae: Symphurinae.

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Laichowcypris Mai [D. Y.] (ex Hoa & Hoa) 1978:28 [ref. 13511]. Fem. *Laichowcypris day* Mai 1978. Type by original designation (also monotypic). Apparently available; see Kottelat 1989:1103 [ref. 14361] with author as Yen [=Mai]. See account of *Laichowcypris* Nguyen & Doan 1969 (now considered a translation of this work). **No** an original description. •Synonym of *Cyprinus* Linnaeus 1758 -- (Kottelat 2001:21 [ref. 25482] based on placement of the type species). **Current status:** Synonym of *Cyprinus* Linnaeus 1758. Cyprinidae: Cyprininae.

Not

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Aboma Jordan [D. S.] & Starks [E. C.] in Jordan 1895:497 [ref. 2394]. Fem. *Aboma etheostoma* Jordan & Starks 1895. **Type by original designation (also monotypic). Type by original designation, also monotypic;** two additional species questionably referred to genus. •Synonym of *Acanthogobius* Gill 1859 -- (Lindberg & Krasnyukova 1975:363 [ref. 7348], Vasil'eva 2003:S41 [ref. 28444]). •Valid as *Aboma* Jordan & Starks 1895 -- (Vasil'eva 1998:125 [ref. 23591], Rüber et al. 2003:1596 [ref. 26969], Van Tassell 2011:150 [ref. 31732]). **Current status:** Valid as *Aboma* Jordan & Starks 1895. Gobiidae: Gobionellinae.

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Aplocheilichthys Bleeker [P.] 1863:116 [ref. 395]. Masc. *Aplocheilichthys typus* Bleeker 1863. Type by monotypy (also by use of *typus*). Unjustifiably emended to *Haplochilichthys* by Garman 1895:156 and early authors. Most recently restricted to one valid species •Valid as *Aplocheilichthys* Bleeker 1863 -- (Parenti 1981:507 [ref. 7066] with type as *spilauchena*, Berkenkamp & Etzel 1982:71 [ref. 30501], Paugy & Bénech 1989:303 [ref. 26478], Paugy et al. 1990:341 [ref. 26477], Romand in Lévêque et al. 1992:619 [ref. 21590], Poll & Gosse 1995:211 [ref. 24781], Seegers 1996:258 [ref. 23725], Huber 1999:54 [ref. 23835], Dankwa et al. 1999:43 [ref. 28023], Ghedotti 2000:11 [ref. 27228], Lazara 2001:35 [ref. 25711], Huber 2005:16 [ref. 28394], van der Zee et al. 2007:51 [ref. 30034]). **Current status:** Valid as **Aplocheilichthys** Bleeker 1863. Poeciliidae: **Aplocheilichthyinae.**

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Atopocheilichthys Boulenger [G. A.] 1915:40 [ref. 584]. Masc. Not available, name published in synonymy; perhaps a mistake for *Aplocheilichthys* Bleeker 1863. •In the synonymy of *Aplocheilichthys* Bleeker 1863. **Current status:** Synonym of **Aplocheilichthys** Bleeker 1863. Poeciliidae: **Aplocheilichthyinae.**

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Congopanchax Poll [M.] 1971:303 [ref. 3530]. Masc. *Aplocheilichthys myersi* Poll 1952. Type by original designation. •Valid as *Congopanchax* Poll 1917 -- (Radda 1981:8 [ref. 31276], Wildekamp et al. 1986:187 [ref. 6198], Poll & Gosse 1995:209 [ref. 24781]). •Synonym of *Aplocheilichthys* Bleeker 1863, but a valid subgenus *Congopanchax* -- (Parenti 1981:508 [ref. 7066], Lazara 2001:35 [ref. 25711]). •See Huber 1999:56 et seq. [ref. 23835]. **Current status:** Synonym of **Aplocheilichthys** Bleeker 1863. Poeciliidae: **Procatopodinae.**

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Acanthopsoides Fowler [H. W.] 1934:103 [ref. 1417]. Masc. *Acanthopsoides gracilis* Fowler 1934. Type by original designation (also monotypic). •Valid

as *Acanthopsoides* Fowler 1934 -- (Nalbant 1963:365 [ref. [3140](#)], Sawada 1982:201 [ref. [14111](#)], Kottelat 1985:267 [ref. [11441](#)], Kottelat 1989:13 [ref. [13605](#)], Roberts 1989:94 [ref. [6439](#)], Siebert 1991 [ref. [20084](#)], Nalbant 1994:376 [ref. [22051](#)], Doi 1997:25 [ref. [22832](#)] as *Acanthopsides*, Son & He 2001:1 [ref. [25331](#)], Kottelat & Tan 2008:69 [ref. [29956](#)], Havird et al. 2010:2 [ref. [30908](#)], Kottelat 2012:21 [ref. [32367](#)], Kottelat 2013:176 [ref. [32989](#)], Zhang et al. 2016:151 [ref. [34477](#)]). •Valid as *Aperioptus* Richardson 1848 -- (Page & Tangjitjaroen 2015:179 [ref. [33815](#)]). **Current status:** **Valid as** *Aperioptus* Richardson 1848. Cobitidae.

Synonym of

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Leptobarbus Bleeker [P.] 1859:153 [ref. [370](#)]. Masc. *Barbus hoevenii* Bleeker 1851. Type by subsequent monotypy. Apparently appeared first in key, without included species. One species included by Bleeker 1859:153 [ref. [371](#)] and 1860:285, 432 [ref. [380](#)]. •Valid as *Leptobarbus* Bleeker 1859 (often dated 1860) -- (Kottelat 1985:263 [ref. [11441](#)], Roberts 1989:41 [ref. [6439](#)], Doi 1997:22 [ref. [22832](#)], Tang et al. 2010:202 [ref. [31204](#)] in **Leptobarbina**, Kottelat 2013:119 [ref. [32989](#)]). **Current status:** Valid as *Leptobarbus* Bleeker 1859. Cyprinidae: Leptobarbinae.

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Gilbertidia Berg [C.] 1898:42 [ref. [262](#)]. Fem. *Gilbertina sigalutes* Jordan & Starks 1895. Type by being a replacement name. Replacement for *Gilbertina* Jordan & Starks 1895, preoccupied by *Gilbertina* Morlet 1888 in Mollusca. •Synonym of *Psychrolutes* Günther 1861, but a valid subgenus *Gilbertidia* -- (see Nelson 1982:1499 [ref. [5470](#)]). •Synonym of *Psychrolutes* Günther 1861 -- (Nelson 1995:68 [ref. [22668](#)], Mecklenburg et al. 2002:522 [ref. [25968](#)]). •Valid as *Gilbertidia* Berg 1898 -- (Watanabe 1960:193 [ref. [11959](#)], Lindberg & Krasnyukova 1987:263 [ref. [15964](#)], Yabe 1985:123 [ref. [11522](#)], Mandrytsa 1993:288 [ref. [20793](#)], Parin et al. 2002:S93 [ref. [28300](#)], Parin et al. 2014:301 [ref. [33547](#)]). **Current status:** Valid as **Gilbertidia Berg 1898. Psychrolutidae.**

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Platycottus Schmidt [P. L.] 1935:35. Masc. *Platycottus pustulosus* Schmidt 1935. Type by original designation (also monotypic). Reference not in Parin et al. 2014:301 (dated to 1937). •Synonym of *Gilbertidia* Berg 1898 -- (Parin et al. 2014:301 [ref. [33547](#)]). **Current status:** Synonym of **Gilbertidia Berg 1898. Cottidae.**

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Matanui Jawad [L. A. I.] & Clements [K. D.] 2004:96 [ref. [27725](#)]. *Forsterygion bathytaton* Hardy 1989. Type by original designation. •Valid as *Matanui* Jawad & Clements 2004 -- (Hickey & Clements 2005:359 [ref. [30936](#)], Jawad 2008:2951 [ref. [29958](#)], Fricke 2009:46 [ref. [30394](#)], Stewart & Clements 2015:1514 [ref. [34299](#)]). **Current status:** Valid as *Matanui* Jawad & Clements 2004. Tripterygiidae: Tripterygiinae.

Jawad [L. A.]

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De Filippi, F. and G. B. Verany 1857 [ref. 1329]

Sopra alcuni pesci nuovi o poco noti del Mediterraneo. Nota. Memorie / Reale accademia delle scienze di Torino (Ser. 2) v. 18: 187-199, 1 Pl. [Also as a separate, pp. 1-15. Separate dated 1857 (assumed correct); perhaps not published in journal until 1859.]

Probably J. B. Verany

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Mirolabeo Chu [Y.-T.] & Wang [Y.-H.] 1963. Masc. *Mirolabeo yunnanensis* Chu & Wang 1963. The generic name appeared in an unpublished work and **in** unavailable from Chu

& Wang (see Zhang & Chen 2006:49 [ref. [28775](#)]). The species is also unavailable from Chu & Wang 1963; it was later published in an available way in the genus *Sinilabeo* Wu et al. 1977:4 [ref. [4807](#)] with type confusion. **Current status:** Synonym of *Bangana* Hamilton 1822. Cyprinidae: Labeoninae.

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Dipturus Rafinesque [C. S.] 1810:16 [ref. [3594](#)]. Masc. *Raja batis* Linnaeus 1758. Type by monotypy. •Synonym of *Raja* Linnaeus 1758, usually recognized as a valid subgenus *Dipturus* -- (Stehmann 1973:62 [ref. [7168](#)], Ishihara & Ishiyama 1986:274 [ref. [5142](#)], Ishihara 1987:242 [ref. [6264](#)], Séret 1989 [ref. [12827](#)], Jacob & McEachran 1994:433 [ref. [22422](#)]). •Valid as *Dipturus* Rafinesque 1810 -- (McEachran & Dunn 1998:279 [ref. [23312](#)], Compagno 1999:490 [ref. [25589](#)], Last & Yearsley 2002:1640 [ref. [26568](#)], McEachran & Carvalho 2003:536 [ref. [26985](#)], Hoese et al. 2006:181 [ref. [29001](#)], Compagno et al. 2005:66 [ref. [29145](#)], Compagno & Ebert 2007:131 [ref. [30471](#)], Jeong & Nakabo 2008:183 [ref. [29612](#)], Last et al. 2008:9 [ref. [29647](#)], Last 2008:53 [ref. [29648](#)], Compagno & Ebert 2007:130 [ref. [30471](#)], Séret & Last 2008:99 [ref. [29649](#)], Díaz de Astarloa et al. 2008:35 [ref. [29969](#)], Last & White 2008:109 [ref. [30618](#)], Last & Lim 2010:107 [ref. [30853](#)], Iglésias et al. 2010:319 [ref. [30586](#)], Mecklenburg et al. 2011:115 [ref. [31212](#)], Mabragaña et al. 2011:7 [ref. [31800](#)], Ishihara et al. 2012:16 [ref. [31844](#)], Last & Alava 2013:214 [ref. [33041](#)], Parin et al. 2014:35 [ref. [33547](#)], Vargas-Caro et al. 2015:321 [ref. [33892](#)], Last & Stewart 2015:178 [ref. [34224](#)], Dyldin 2015:69 [ref. [34524](#)], Bañón et al. 2016:301 [ref. [34397](#)], Del Moral-Flores et al. 2016:113 [ref. [34398](#)], Last et al. 2016:15 [ref. [34941](#)], Last et al. 2016:206 [ref. [35000](#)]). **Current status: Valid**

as *Dentiraja* Whitley 1940. Rajidae.

Valid as *Dipturus* Rafinesque 1810

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Echinomacrus Roule [L.] 1916:22 [ref. [3818](#)]. Masc. *Echinomacrus mollis* Roule 1916. Type by monotypy. •Valid as *Echinomacrus* Roule 1916 -- (Marshall 1973:289 [ref. [7194](#)], Iwamoto 1979:142 [ref. [2311](#)], Fahay & Markle 1984:274 [ref. [13653](#)], Geistdoerfer in Whitehead et al. 1986:661 [ref. [13676](#)]). •Valid as *Pseudonezumia* Okamura 1970. **Current status: Valid**

as *Pseudonezumia* Okamura 1970. Macrouridae: Macrourinae.

Valid as *Echinomacrus* Roule 1916

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occidentalis, *Echinomacrus* Iwamoto [T.] 1979:143, Fig. 7b [Proceedings of the California Academy of Sciences (Series 4) v. 42 (no. 5); ref. [2311](#)] Off Peru, 8°30'S, 85°36'W, Albatross station 4658, depth 2370 fathoms. Holotype (unique): USNM 135612. •Valid as *Echinomacrus occidentalis* Iwamoto 1979 -- (Iwamoto & Schneider in Fischer et al. 1995:1254 [ref. [22829](#)]). •Valid as *Paracetonurus occidentalis* (Iwamoto 1979) -- (Iwamoto & Orlov 2006:384 [ref. [28712](#)]). •Valid as *Pseudonezumia occidentalis* (Iwamoto 1979). **Current status: Valid as *Pseudonezumia***

occidentalis (Iwamoto 1979). Macrouridae: Macrourinae. Distribution:

Southeastern Pacific: off Peru. Habitat: marine.

Valid as *Paracetonurus occidentalis* (Iwamoto 1979).

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Helotes Cuvier [G.] 1829:148 [ref. [995](#)]. Fem. *Terapon sexlineatus* Quoy & Gaimard 1825. Type by monotypy. Appeared first in Cuvier (Mar.) 1829:148 as above, then in Cuvier in Cuvier & Valenciennes (Nov.) 1829:149 [4879]. •Valid as *Helotes* Cuvier 1829 -- (Mees & Kailola 1977:31 [ref. [5183](#)]). •Synonym of *Pelates* Cuvier 1829 -- (Vari 1978:249 [ref. [4514](#)], Kottelat 2013:370 [ref. [32989](#)]). **Current status: Valid**

as *Pelates* Cuvier 1829. Terapontidae.

Synonym of *Pelates* Cuvier 1829

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Takifugu (subgenus of *Sphoeroides*) Abe [T.] 1949:90 (in key) [ref. 3]. Masc. *Tetrodon oblongus* Bloch 1786. Type by monotypy. Appeared first in Abe 1939:336 [ref. 5589] for several species; no type designated; not available (Art. 13.3). For technical reasons (see Art. 13.3 in Appendix A, in Eschmeyer 1990 [ref. 20647]) the genus apparently can date to Marshall & Palmer 1950 (in Zoological Record for 1949, where a citation to Abe is given and a type is designated). *Gastrophysus* can be suppressed under the ICZN, and Matsuura 2015 has declared his intention to ask the ICZN to suppress *Gastrophysus* (Matsuura 2015) but no decision has been made. •Synonym of *Gastrophysus* Müller 1843 -- (Kottelat 2013:476 [ref. 32989]). •Valid as *Takifugu* Abe 1949 -- (Matsuura in Masuda et al. 1984:362 [ref. 6441], Smith & Heemstra 1986:902 [ref. 5714], Su et al. 1986:112 [ref. 12582], Kottelat 1989:21 [ref. 13605], Lindberg et al. 1997:116 [ref. 23547], Matsuura 2001:3956 [ref. 26317], Parin 2003:S34 [ref. 28536], Verruraj et al. 2011:9 [ref. 31496], Poltev & Koynov 2011:819 [ref. 32470], Matsuura 2014:20 [ref. 33576], Parin et al. 2014:553 [ref. 33547], Dyldin et al. 2016:133 [ref. 34682], Dyldin & Orlov 2017:202 [ref. 35257]). **Current status:** Valid as *Takifugu* **Marshall & Palmer** 1950. Tetraodontidae.

Do you have initials for Marshall & Palmer ?

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Anchisomus Richardson [J.] (ex Kaup) 1854:156 [ref. 3746]. Masc. *Tetrodon spengleri* Bloch 1782. Type by subsequent designation. Type designated first by Jordan 1919:261 [ref. 2410] according to Su et al. 1986:102. •Objective synonym of *Sphoeroides* Duméril 1806 -- (Shipp 1974:34 [ref. 7147], Su et al. 1986:102 [ref. 12582]; see also account of *Sphoeroides* [Lacepède] 1798). **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

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Cheilichthys (subgenus of *Tetrodon*) Müller [J.] 1841:252 [ref. 3061]. Masc. *Tetrodon (Cheilichthys) pachygaster* Müller & Troschel 1848. No species mentioned originally; first inclusion of species apparently by Müller & Troschel 1848:677 (Shipp 1974:34 [ref. 7147]) where genus was spelled *Chilichthys*. On Code recommendation 51D, the anonymous author is listed in square brackets. •Synonym of *Sphoeroides* Duméril 1806 -- (Shipp 1974:34 [ref. 7147]), but see also *Sphoeroides* Anonymous. •Synonym of *Sphoeroides* [Lacepède] 1798 -- (Ebert 2001:91 [ref. 25494]). **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Cirrhisomus Swainson [W.] 1839:194, 328 [ref. 4303]. Masc. *Tetrodon spengleri* Swainson 1839. Type by monotypy. Species possibly dates to Bloch as *spengleri* as given by Jordan 1919:205 [ref. 2410]. •Synonym of *Sphoeroides* Duméril 1806 -- (Fraser-Brunner 1943:10 [ref. 1495]). •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Holocanthus Gronow [L. T.] in Gray 1854:23 [ref. 1911]. Masc. *Holocanthus leionothos* Gronow 1854. Type by subsequent designation. Type designated by Jordan 1919:258 [ref. 2410]. •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Liosaccus (subgenus of *Tetrodon*) Günther [A.] 1870:272, 287 [ref. 1995]. Masc. *Tetrodon cutaneus* Günther 1870. Type by subsequent designation. Described in key (p. 272) for 4 species treated on pp. 287-288. Type designated by Jordan 1919:357 [ref. 4904]. Spelled *Liosarcus* and wrongly credited to Hilgendorf by Abe 1949:93 [ref. 3], see Abe 1954:122 [ref. 5]. •Synonym of *Spheroides* Duméril 1806 -- (Fraser-Brunner 1943:11 [ref. 1495]). •Valid as *Liosaccus* Günther 1870 -- (Arai 1983:206 [ref. 14249]). •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Orbidus Rafinesque [C. S.] 1815:90 [ref. 3584]. Masc. *Tetrodon spengleri* Bloch 1785. Type by being a replacement name. As "*Orbidus* R. [Rafinesque] *Spheroides* Lac. [Lacepède]." An available name latinizing "Les Spheroides" Lacepède but earlier published as *Spheroides* by Duméril 1806, and earlier as *Sphoeroides* Anonymous 1798. •Synonym of *Spheroides* Duméril 1806 -- (Fraser-Brunner 1943:10 [ref. 1495]). •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Orbis Billberg [G. J.] 1833:52, 53 [ref. 34146]. Masc. *Orbis psittacinus* Billberg 1833 (*Tetraodon testudineus* Linnaeus 1758). Type by subsequent designation. Type designated by Kullander 2016:110 [ref. 34147]. Based on *Orbis* of L'Écluse & Belon 1605:138 [ref. 30583]. Objectively invalid; preoccupied by *Orbis* Fischer 1813 in fishes. •Synonym of *Sphoeroides* [Lacepède] 1798 -- (Kullander 2016:110 [ref. 34147]). **Current status:** Synonym of *Sphoeroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Spheroides Lacepède [B. G. E.] 1800:22 [ref. 2709]. Masc. Not available, genus and species not latinized. Validated by Duméril 1806 [ref. 1152], but see account of *Spheroides* Duméril and *Sphoeroides* [Anonymous] 1798. •Valid but with spellings both as *Sphoeroides* and *Spheroides* and authorship as Anonymous (current authors); correctly *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Spheroides Duméril [A. M. C.] 1806:342 [ref. 1152]. Masc. *Tetrodon spengleri* Bloch 1782. Based on *Sphéroides* [Lacepède] 1798 (table). •Objective synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Stenometopus Troschel [F. H.] (ex Bibron) 1856:88 [ref. 12559]. Masc. *Tetraodon testudineus* Linnaeus 1758. Type by subsequent designation. Appeared first as "Sténométope" Bibron in Duméril 1855:278 [ref. 297]; latinized by Troschel as above; also by Hollard 1857:319 [ref. 2186]. First technical addition of species not researched. Type as given by Jordan 1919:263 [ref. 2410]. Kottelat 2001:611 [ref. 25859] regards *Stenometope* Duméril as available. •Synonym of *Spheroides* Duméril 1806 -- (Fraser-Brunner 1943:10 [ref. 1495]). •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Sphoeroides Anonymous [Lacepède [B. G. E.]] 1798:676 [ref. 13098]. Masc. *Tetrodon spengleri* Bloch 1785. Apparently the first latinization of *Sphéroïdes* Lacepède 1798:table. Tortonese 1973:646 cites Lacepède as author. Type as given by Jordan for *Spheroides* Duméril; see also Jordan 1923:240 [ref. 2421]. Technical addition of species not researched. On Code recommendation 51D, the anonymous author is listed in square brackets. Misspelled *Sphæroïdes* by Billberg 1833:53 [ref. 34146]; see also Kullander 2016:110 [ref. 34147]. •Valid as *Sphoeroides* [Lacepède] 1798 -- (Tortonese 1973:646 [ref. 7192], Arai 1983:207 [ref. 14249], Matsuura in Masuda et al. 1984:364 [ref. 6441], Smith & Heemstra 1986:902 [ref. 5714], Tortonese in Whitehead et al. 1986:1344 [ref. 13677], Walker & Bussing 1996:677 [ref. 22229], Matsuura & Tyler 1997:202 [ref. 23219], Lindberg et al. 1997:169 [ref. 23547], Castro-Aguirre et al. 1999:511 [ref. 24550], Matsuura 2001:3955 [ref. 26317], Shipp 2003:1989 [ref. 27120], Parin 2003:S34 [ref. 28536], Hoese et al. 2006:1925 [ref. 29099], Shinohara et al. 2011:58 [ref. 31715], Matsuura 2014:20 [ref. 33576], Parin et al. 2014:552 [ref. 33547], Stewart & Roberts 2015:1739 [ref. 34322]). **Current status:** Valid as *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Stenomotope Bibron [G.] in Duméril 1855:278 [ref. 297]. Masc. *Tetraodon testudineus* Linnaeus 1758. Type by subsequent designation. Appeared as "Sténométope" Bibron in Duméril 1855:278 [ref. 297]; regarded as available by Kottelat 2001:611 [ref. 25859]. Type selected by Jordan & Snyder 1901:232 [ref. 14759]. •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Thecapteryx Fowler [H. W.] 1948:1 [ref. 1459]. Fem. *Thecapteryx lioderma* Fowler 1948. Type by original designation (also monotypic). •Synonym of *Sphoeroides* [Lacepède] 1798. **Current status:** Synonym of *Spheroides* [**Lacepède**] 1798. Tetraodontidae.

Anonymous [**Lacepède**]

:

Scheelsemion (subgenus of *Aphyosemion*) Huber [J. H.] 2013:4 [ref. 33091]. *Haplochilus calliurus* var. *australis* Rachow 1921. Taken only from a listing. •Synonym of *Aphyosemion* Myers 1924, but a valid subgenus *Scheelsemion* Huber 2013. **Current status:** **Synonym of *Aphyosemion* *Scheelsemion*.** Nothobranchiidae.

Synonym of *Aphyosemion* (*Scheelsemion*) Myers 1924.

Nothobranchiidae.

“

Acarana Gray [J. E.] 1833:Pl. 98 (v. 2) [ref. 1878]. *Ostracion auritus* Shaw 1798. Type by monotypy. Spelled *Acerana* on legend, *Acarana* on Pl. 98, *Acarana* on Sawyer's legend page (1953:55 [ref. 6842]). Spelled *Aracana* by Gray 1838:110 [ref. 1884]. *Acarana* probably is the correct original spelling, but *Aracana* is in prevailing usage and therefore here used as the valid name for the genus. Kaup 1833:218 [ref. 2571] uses the spelling *Acerana* Gray. Possibly based on a misidentified type species. Regarded as valid but with spelling *Aracana*; see account of *Aracana*. •See *Aracana* Gray 1838. **Current status:** **Valid as *Aracana* Gray 1833.** Aracaniidae.

Synonym of *Aracana* Gray 1833.

“

Macrotocinclus Isbrücker [I. J. H.] & Seidel [I.] in Isbrücker et al. 2001:20 [ref. [25649](#)]. *Otocinclus affinis* Steindachner 1877. Type by original designation. •Valid as *Macrotocinclus* Isbrücker & Seidel 2001 -- (Isbrücker 2002:23 [ref. [27178](#)], Ferraris 2007:271 [ref. [29155](#)]). •Synonym of *Otocinclus* Cope 1871 -- (Schaefer in Reis et al. 2003:324 [ref. [27061](#)], Delapieve et al. 2018:23 [ref. [35713](#)]). **Current**

status: Synonym of *Otocinclus* Cope >>, << 1871. Loricariidae: Hypoptopomatinae.

“

Paranisotremus Tavera [J.], Acero P. [A.] & Wainwright [P. C.] 2018:220 [ref. [35783](#)]. Masc. *Haemulon moricandi* Ranzani 1842. Type by original designation (also monotypic). •Valid as *Paranisotremus* Tavera, Acero P. & Wainwright 2018. **Current status:** Valid as *Paranisotremus* Tavera, Acero P. & Wainwright 2018. Haemulidae: Haemulinae.

Normally Tavera [J. J.] to be consistent

“

Cynobranchius (subgenus of *Nothobranchius*) Costa [W. J. E. M.] 2018: >[]< [ref. [35808](#)]. Masc. *Fundulus microlepis* Vinciguerra 1897. Type by original designation. •Synonym of *Nothobranchius* Peters 1868, but a valid subgenus as described. **Current status:** Synonym of *Nothobranchius* Peters 1868. Nothobranchiidae.

“

Plesiobranchius (subgenus of *Nothobranchius*) Costa [W. J. E. M.] 2018: >[]< [ref. [35808](#)]. Masc. *Nothobranchius virgatus* Chambers 1984. Type by original designation (also monotypic). •Synonym of *Nothobranchius* Peters 1868, but a valid subgenus as described. **Current status:** Synonym of *Nothobranchius* Peters 1868. Nothobranchiidae.

“

Akawaio Maldonado-Ocampo [J. A.], López-Fernández [H.], Taphorn [D. C.], Bernard [C. R.], et al. 2014:4 [ref. [32878](#)]. Masc. *Akawaio penak* Maldonado-Ocampo, López-Fernández, Taphorn, Bernard, et al. 2014. Type by original designation (also monotypic). •Valid as *Akawaio* Maldonado-Ocampo, López-Fernández, Taphorn, Bernard, Crampton & Lovejoy 2014 -- (Tagliacollo et al. 2016:27 [ref. [34087](#)] in Hypopomidae, Ferraris et al. 2017:[21] [ref. [35236](#)]). **Current status:** Valid as *Akawaio* Maldonado-Ocampo, López-Fernández, Taphorn, Bernard, Crampton & Lovejoy **2013**. Hypopomidae.

2014

“

Hypocaranx (subgenus of *Caranx*) Klunzinger [C. B.] 1884:92 [ref. [2625](#)]. Masc. *Scomber speciosus* Forsskål 1775. Type by subsequent designation. Type designated by Jordan & Evermann 1896:927 [ref. [2443](#)]. •Objective synonym of *Gnathanodon* Bleeker **1851**. **Current status:** Synonym of *Gnathanodon* Bleeker **1851**. Carangidae.

1850

:

Schizopyge Heckel [J. J.] 1847:285 [ref. [2068](#)]. Fem. *Schizothorax curvifrons* Heckel 1838. Type by subsequent designation. Type designated by Bleeker 1863:196 [ref. [397](#)] and 1863:26 [ref. [4859](#)]. Original not examined, might have been published in 1843. •Synonym of *Schizothorax* Heckel 1838 -- (Tilak 1987:47 [ref. [23969](#)] in part, Mo in Chu & Chen 1989:287 [ref. [13584](#)], Kullander et al. 1999:111 [ref. [23689](#)], Chen & Cao in Yue et al. 2000:275 [ref. [25272](#)]). •Synonym of *Schizothorax* Heckel 1838, but a valid subgenus *Schizopyge* -- (Tsao 1964:139 [ref. [13501](#)]). •Synonym of *Racoma* McClelland 1842 -- (Wu & Wu 1992:349 [ref. [21205](#)]). •Valid as *Schizopyge* Heckel 1847 -- (Jayaram 1981:63 [ref. [6497](#)], Mirza & Saeed 1988:313 [ref. [13385](#)], Mirza 1991:340 [ref. [19441](#)], Kottelat 2013:160 [ref. [32989](#)] dated 1848, Yang et al. 2015:99 [ref. [33694](#)] in Cyprininae, tribe Schizothoracini). **Current status:**Valid

as *Schizopyge* Heckel **1848**. Cyprinidae: Cyprininae.

1847

:

Bagarius Bleeker [P.] 1853:121 [ref. 341]. Masc. *Pimelodus buchanani* Bleeker 1853. Type by monotypy. See van Oijen et al. 2009:183 [ref. 30423]. •Valid as *Bagarius* Bleeker 1853 -- (Jayaram 1981:237 [ref. 6497], Roberts 1983 [ref. 6816], Kottelat 1985:270 [ref. 11441], Burgess 1989:133 [ref. 12860], Kottelat 1989:15 [ref. 13605], Roberts 1989:133 [ref. 6439], Rahman 1989:222 [ref. 24860], de Pinna 1996:63 [ref. 24146], Yang in Chen 1998:292 [ref. 23556], Chu in Chu et al. 1999:115 [ref. 24534], Ng & Kottelat 2000:11 [ref. 25042], Aatur Rahman 2003:245 [ref. 31338], Guo et al. 2005:345 [ref. 28563], Jayaram 2006:201 [ref. 28762], Thomson & Page 2006:26 [ref. 28859], Ferraris 2007:383 [ref. 29155], Ng 2010:271 [ref. 31110], Kottelat 2013:221 [ref. 32989], Ng 2015:136 [ref. 34054] in Bagariini, Ng & Jiang 2015:235 [ref. 34057], Zhang et al. 2016:170 [ref. 34477]). **Current status:** Valid as *Bagarius* Bleeker **1854**. Sisoridae: Sisorinae.

1853

:

Badis Bleeker [P.] 1853:106 [ref. 341]. Masc. *Labrus buchanani* Bleeker 1853 (= *Labrus badis* Hamilton 1822). Type by tautonymy. Type by absolute tautonymy of senior objective synonym (*L. badis* needlessly renamed *buchanani* by Bleeker). Treated as masculine, Art. 30.2.4. •Valid as *Badis* Bleeker 1853 -- (Jayaram 1981:334 [ref. 6497], Kottelat 1989:18 [ref. 13605], Rahman 1989:321 [ref. 24860], Kullander & Britz 2002:303 [ref. 26542], Aatur Rahman 2003:347 [ref. 31338], Rüber et al. 2004:1010 [ref. 27949], Geetakumari & Vishwanath 2010:644 [ref. 30699], Schindler & Linke 2010:209 [ref. 31069], Britz et al. 2012:63 [ref. 32015], Kottelat 2013:367 [ref. 32989], Dahanukar et al. 2015:429 [ref. 33730], Valdesalici & van der Voort 2015:391 [ref. 33875], Valdesalici & van der Voort 2015:193 [ref. 33881], Basumatary et al. 2016:151 [ref. 34778]). **Current status:** Valid as *Badis* Bleeker **1854**. Badidae.

1853

“

Lobocheilos Bleeker [P.] 1854:520 [ref. 5965]. Masc. *Labeo falcifer* Valenciennes 1842. Type by subsequent designation. Genus and species appeared first as *Lobocheilus falcifer*, name only, in van Hasselt 1823:132 [ref. 5963]. Validly described as above. Type designated by Bleeker 1863:194 [ref. 397] or 1863:25 [ref. 4859] with genus spelled *Lobocheilus*. See also *Lobocheilus*. •Valid as *Lobocheilos* Bleeker 1854 -- (Kottelat 1985:263 [ref. 11441] and Chu & Cui in Chu & Chen 1989:236 [ref. 13584] as *Lobocheilus*, Kottelat 1989:8 [ref. 13605], Roberts 1989:41 [ref. 6439], Doi 1997:22 [ref. 22832], Siebert & Tjakrawidjaja 1998:108 [ref. 23404], Kottelat & Hui 2008:28 [ref. 29715], Kottelat 2013:119 [ref. 32989], Ciccotto & Page 2016:879 [ref. 34946]). **Current status:** Valid as *Lobocheilos* Bleeker **1853**. Cyprinidae: Labeoninae.

1854

:

Lobocheilus Kuhl [H.] & van Hasselt [J. C.] in van Hasselt 1823:132 [ref. 5963]. Masc. *Lobocheilus falcifer* Kuhl & van Hasselt 1823. Type by monotypy. Not available, both genus and species are nomina nuda (see Kottelat 1987:371 [ref. 5962], also see Alfred 1961:86 [ref. 50553]). •Validly described by Bleeker 1853:520 [ref. 5965] as *Lobocheilos*. •Wrongly treated as valid as *Lobocheilus* Kuhl & van Hasselt 1823 -- (Wu et al. 1977:346 [ref. 4807] credited to van Hasselt, Zhang et al. in Yue et al. 2000:197 [ref. 25272] credited to van Hasselt). •In the synonymy of *Lobocheilos* Bleeker 1854 -- (Kottelat & Hui 2008:28 [ref. 29715], Kottelat 2013:119 [ref. 32989]). •Valid as *Lobocheilus* Kuhl & van Hasselt 1823 -- (Zhang et al. 2016:112 [ref. 34477] with author as Hasselt). **Current status:** Synonym of *Lobocheilos* Bleeker **1853**. Cyprinidae: Labeoninae.

1854

“

Diplocheilichthys Bleeker [P.] 1859:144 [ref. 371]. Masc. *Lobocheilos pleurotaenia* Bleeker 1855. Type by subsequent monotypy. Apparently appeared first in key without species as above; one species included by Bleeker 1859:144 [ref. 371] and 1860:143 [ref. 380]. Regarded as a nomen oblitum by Roberts 1989:45 [ref. 6439] and in the synonymy of *Osteochilus* Günther 1868. Predates *Osteochilus* Günther 1868 (see remarks by Kottelat 1989:10 [ref. 13605]). •Valid as *Diplocheilichthys* -- (Kottelat & Widjanarti 2005:149 [ref. 28284], Kottelat 2013:99 [ref. 32989]). **Current status:** Valid as *Diplocheilichthys* Bleeker. Cyprinidae: Labeoninae.

1859

“

Gnathanodon Bleeker [P.] 1850:160 [ref. 324]. Masc. *Scomber speciosus* Forsskål 1775. Type by monotypy. Appeared without description as "*Gnathanodon speciosus* Blkr. = *Caranx speciosus* CV.", but new name plus existing species is sufficient for availability. Diagnosis followed in Bleeker 1862:72 [ref. 332] and 1862:352 [ref. 326]. •Valid as *Gnathanodon* Bleeker 1850 -- (Smith-Vaniz 1984:524 [ref. 13664], Gushiken in Masuda et al. 1984:157 [ref. 6441], Smith-Vaniz 1986:652 [ref. 5718], Gushiken 1988:443 [ref. 6697], Gunn 1990:39 [ref. 20141], Lin & Shao 1999:58 [ref. 23921], Castro-Aguirre et al. 1999:290 [ref. 24550], Smith-Vaniz 1999:2664 [ref. 24833], Parin 2003:S6 [ref. 28536], Hoese & Gates 2006:1160 [ref. 28997], Kimura 2009:123 [ref. 30425], Parin et al. 2014:361 [ref. 33547], Motomura et al. 2017:115 [ref. 35490], Fricke et al. 2018:185 [ref. 35805]). **Current status:** Valid as *Gnathanodon* Bleeker

1851. Carangidae.

1850

:

Lobocheilos Bleeker [P.] 1854:520 [ref. 5965]. Masc. *Labeo falcifer* Valenciennes 1842. Type by subsequent designation. Genus and species appeared first as *Lobocheilus falcifer*, name only, in van Hasselt 1823:132 [ref. 5963]. Validly described as above. Type designated by Bleeker 1863:194 [ref. 397] or 1863:25 [ref. 4859] with genus spelled *Lobocheilus*. See also *Lobocheilus*. •Valid as *Lobocheilos* Bleeker 1854 -- (Kottelat 1985:263 [ref. 11441] and Chu & Cui in Chu & Chen 1989:236 [ref. 13584] as *Lobocheilus*, Kottelat 1989:8 [ref. 13605], Roberts 1989:41 [ref. 6439], Doi 1997:22 [ref. 22832], Siebert & Tjakrawidjaja 1998:108 [ref. 23404], Kottelat & Hui 2008:28 [ref. 29715], Kottelat 2013:119 [ref. 32989], Ciccotto & Page 2016:879 [ref. 34946]). **Current status:** Valid as *Lobocheilos* Bleeker **1853**. Cyprinidae: Labeoninae.

1854

:

Lobocheilus Kuhl [H.] & van Hasselt [J. C.] in van Hasselt 1823:132 [ref. 5963]. Masc. *Lobocheilus falcifer* Kuhl & van Hasselt 1823. Type by monotypy. Not available, both genus and species are nomina nuda (see Kottelat 1987:371 [ref. 5962], also see Alfred 1961:86 [ref. 50553]). •Validly described by Bleeker **1853**:520 [ref. 5965] as *Lobocheilos*. •Wrongly treated as valid as *Lobocheilus* Kuhl & van Hasselt 1823 -- (Wu et al. 1977:346 [ref. 4807] credited to van Hasselt, Zhang et al. in Yue et al. 2000:197 [ref. 25272] credited to van Hasselt). •In the synonymy of *Lobocheilos* Bleeker 1854 -- (Kottelat & Hui 2008:28 [ref. 29715], Kottelat 2013:119 [ref. 32989]). •Valid as *Lobocheilus* Kuhl & van Hasselt 1823 -- (Zhang et al. 2016:112 [ref. 34477] with author as Hasselt). **Current status:** Synonym of *Lobocheilos* Bleeker **1853**. Cyprinidae: Labeoninae.

1854

“

Indobatis Weigmann [S.], Stehmann [M. F. W.] & Thiel [R.] 2014:103 [ref. [33204](#)]. *Springeria ori* Wallace 1967. Type by original designation (also monotypic). •Valid as *Indobatis* Weigmann, Stehmann & Thiel 2014 -- (Weigmann & Stehmann 2016:478 [ref. [34541](#)], Séret et al. 2016:495 [ref. [35007](#)], Fricke et al. 2018:25 [ref. [35805](#)]). **Current status:** Valid as *Indobatis* Weigmann, Stehmann & Thiel **2013**. Anacanthobatidae.

2014

“

Interochromis Yamaoka [K.], Hori [M.] & Kuwamura [T.] 1998:385 [ref. [23813](#)]. Fem. *Limnotilapia loocki* Poll 1949. Type by original designation (also monotypic). •Valid as *Interochromis* Yamaoka, Hori & Kuwamura 1988 -- (Takahashi 2003:379 [ref. [27540](#)], Konings 2015:272 [ref. [34660](#)]). **Current status:** Valid as *Interochromis* Yamaoka, Hori & Kuwamura **1988**. Cichlidae: Pseudocrenilabrinae.

1998

“

Micronema Bleeker [P.] 1858:255, 257, 298 [ref. [365](#)]. Neut. *Silurus hexapterus* Bleeker 1851. Type by monotypy. Also appeared in Bleeker 1858: 26 et seq., 255, 257, 298 and misspelled once on p. 32 as *Mircronema* [ref. [365](#)]. Type in 1857, ref. 6220, is by monotypy. See van Oijen et al. 2009:262 [ref. [30423](#)]. •Synonym of *Kryptopterus* Bleeker 1858 -- (Haig 1952:106 [ref. [12607](#)], Roberts 1989:145 [ref. [6439](#)]). •Synonym of *Kryptopterus* Bleeker 1858 based on placement of the type species -- (Parenti & Lim 2005:190 [ref. [28285](#)]). •Valid as *Micronema* Bleeker 1858 -- (Ferraris 2007:371 [ref. [29155](#)], Kottelat 2013:234 [ref. [32989](#)] dated to 1857:203, Zhang et al. 2016:179 [ref. [34477](#)]). **Current status:** Valid as *Micronema* Bleeker **1857**. Siluridae.

1858

“

Paracaesio Bleeker [P.] 1874:38, footnote [ref. [443](#)]. Fem. *Caesio xanthurus* Bleeker 1869. Type by monotypy. For date of publication (as **latest** in Dec. 1974), see Kottelat 2013 [ref. [32740](#)]. •Valid as *Paracaesio* Bleeker **1875** -- (Johnson 1980:10 [ref. [13553](#)], Raj & Seeto 1983 [ref. [6817](#)], Yoshino in Masuda et al. 1984:168 [ref. [6441](#)], Allen 1985:130 [ref. [6843](#)], Anderson 1986:578 [ref. [5634](#)], Akazaki & Iwatsuki 1986 [ref. [6316](#)], Anderson 1987:13 [ref. [13770](#)], Anderson et al. 1992:445 [ref. [20198](#)], Anderson 1994:320 [ref. [23560](#)], Leis et al. 1997:697 [ref. [23517](#)], Anderson & Allen 2001:2842 [ref. [26099](#)], Allen et al. 2006:1204 [ref. [29090](#)], White & Last 2012:51 [ref. [32118](#)], Roberts 2015:1283 [ref. [34193](#)], Motomura et al. 2017:134 [ref. [35490](#)], Fricke et al. 2018:200 [ref. [35805](#)]). **Current status:** Valid as *Paracaesio* Bleeker **1875**. Lutjanidae.

latest - 1874

:

Paraulopus Sato [T.] & Nakabo [T.] 2002:27 [ref. [25953](#)]. Masc. *Chlorophthalmus nigripinnis* Günther 1878. Type by original designation. •Valid as *Paraulopus* Sato & Nakabo 2002 -- (Sato & Nakabo 2002:393 [ref. [26686](#)], Sato & Nakabo 2003:164 [ref. [26918](#)], Gomon & Sato 2004:195 [ref. [27784](#)], Gomon et al. 2006:461 [ref. [29050](#)], Gomon 2008:258 [ref. [30616](#)], Sato et al. 2010:57 [ref. [30892](#)], Gomon 2010:15 [ref. [31105](#)], Kobylansky 2013:373 [ref. [32814](#)], Gomon 2015:535 [ref. [34251](#)]). **Current status:** Valid as *Paraulopus* Sato & Nakabo **2001**. Paraulopidae.

2002

“

Psilorhynchoides Yazdani [G. M.], Singh [D. F.] & Rao [M. B.] 1993:16 [ref. [21844](#)]. Masc. *Psilorhynchus homaloptera* Hora & Mukerji 1935. Type by original designation. •Valid as *Psilorhynchoides* Yazdani, Singh & Rao 1993 -- (Nebeshwar, Bagra & Das 2007:2632 [ref. [28989](#)]). •Synonym of *Psilorhynchus* McClelland **1839** -- (Conway & Kottelat 2007:56 [ref. [29430](#)], Arunachalam & Muralidharan 2008:405 [ref. [29965](#)], Kottelat 2013:171 [ref. [32989](#)]). **Current status:** Synonym of *Psilorhynchus* McClelland **1839**. Psilorhynchidae.

1838

“

Paraschizothorax Tsao [W.-H.] 1964:168 [ref. [13501](#)]. Masc. *Schizothorax oconnori* Lloyd 1908. Type by original designation (also monotypic). Objectively invalid; preoccupied by *Paraschizothorax* Bleeker 1863 in same family. Species originally as *o'conneri*, emendation to *oconnori* mandatory. See Bănărescu 1997:25 [ref. [23274](#)]. •Synonym of *Racoma* McClelland & Griffith 1842 -- (Wu & Wu 1992:301 [ref. [21205](#)]). •In the synonymy of *Schizothorax* Heckel 1838 -- (Kullander et al. 1999:111 [ref. [23689](#)], Chen & Cao in Yue et al. 2000:275 [ref. [25272](#)]). •Synonymy of *Schizopyge* Heckel **1848**-- (Kottelat 2013:160 [ref. [32989](#)]). •In Cyprininae, tribe Schizothoracini -- (Yang et al. 2015:99 [ref. [33694](#)]). **Current status:** Synonym of *Schizopyge* Heckel **1848**. Cyprinidae: Cyprininae.

1847

:

Schizopyge Heckel [J. J.] 1847:285 [ref. [2068](#)]. Fem. *Schizothorax curvifrons* Heckel 1838. Type by subsequent designation. Type designated by Bleeker 1863:196 [ref. [397](#)] and 1863:26 [ref. [4859](#)]. Original not examined, might have been published in 1843. •Synonym of *Schizothorax* Heckel 1838 -- (Tilak 1987:47 [ref. [23969](#)] in part, Mo in Chu & Chen 1989:287 [ref. [13584](#)], Kullander et al. 1999:111 [ref. [23689](#)], Chen & Cao in Yue et al. 2000:275 [ref. [25272](#)]). •Synonym of *Schizothorax* Heckel 1838, but a valid subgenus *Schizopyge* -- (Tsao 1964:139 [ref. [13501](#)]). •Synonym of *Racoma* McClelland 1842 -- (Wu & Wu 1992:349 [ref. [21205](#)]). •Valid as *Schizopyge* Heckel 1847 -- (Jayaram 1981:63 [ref. [6497](#)], Mirza & Saeed 1988:313 [ref. [13385](#)], Mirza 1991:340 [ref. [19441](#)], Kottelat 2013:160 [ref. [32989](#)] dated 1848, Yang et al. 2015:99 [ref. [33694](#)] in Cyprininae, tribe Schizothoracini). **Current status:**Valid as *Schizopyge* Heckel **1848**. Cyprinidae: Cyprininae.

1847

“

Xyrauchen Eigenmann [C. H.] & Kirsch [P. H.] in Kirsch 1889:556 [ref. [2608](#)]. Masc. *Quassilabia cypho* Lockington 1879. Type by original designation (also monotypic). •Valid as *Xyrauchen* Eigenmann & Kirsch 1889 -- (Gilbert 1998:21 [ref. [23395](#)], Scharpf 2006:13 [ref. [30386](#)], Minckley & Marsh 2009:207 [ref. [31114](#)], Page et al. 2013:81 [ref. [32708](#)]). •Synonym of *Catostomus* Lesueur 1817 -- (Chen & Mayden 2012:195 [ref. [32390](#)]). **Current status:**Valid as *Xyrauchen* Eigenmann & Kirsch **1899**. Catostomidae.

1899

“

Platycanthus (subgenus of *Tetrosomus*) Swainson [W.] 1839:194, 324 [ref. [4303](#)]. Masc. *Ostracion auritus* Shaw 1798. Type by monotypy. •Synonym of *Aracana* Gray **1838**. **Current status:** Synonym of *Aracana* Gray **1838**. Aracanidae.

1833

“

Tropigaster Billberg [G. J.] 1833:52 [ref. [34147](#)]. Masc. •Synonym of *Aracana* Gray **1835** when both are used, based on prevailing usage -- (Kullander 2016:109 [ref. [34147](#)]). Aracanidae.

1833

:

Tropigaster Billberg [G. J.] 1833:52, 53 [ref. 34146]. Masc. *Ostracion auritus* Shaw 1798. Type by monotypy. Type species given as "*D. auritus* Schn." (sic, is *Ostracion auritus* of Bloch & Schneider 1801:561 [ref. 471], which is based on *Ostracion auritus* Shaw 1798); see Kullander 2016:109 [ref. 34147]. Not used as valid after 1899; therefore reversal of priority in favor of *Aracana* Gray **1838** is followed (ICZN Art. 23.9). •Synonym of *Aracana* Gray **1838**-- (Kullander 2016:109 [ref. 34147]) **Current status:** Synonym of *Aracana* Gray **1838**. Aracanidae.
1833

:

Anguilla [ref. 1268]. Catch-all genus for anguilliform larvae. **Current status:** Uncertain as *Anguilla*.

Anguilla Eigenmann [R. S.] [ref. 1268].

This concept of a "catch-all" still concerns me.

Does it have any value ? –

Next we will have to create "catch-alls" for all eggs that are unidentifiable !

“

Hydrargira Lacepède [B. G. E.] 1803:378 [ref. 4930]. Fem. *Hydrargira swampina* Lacepède 1803 (**hiz**). Type by monotypy. *Hydrargyra* Rafinesque 1815:88 [ref. 3584] and authors is an incorrect subsequent spelling or unjustified emendation. •Synonym of *Fundulus* Lacepède 1803 -- (Bailey & Wiley 1976 [ref. 7090], Parenti 1981:494 [ref. 7066], Wildekamp 1996:223 [ref. 23649], Lazara 2001:139 [ref. 25711], Huber 2005:16 [ref. 28394]). **Current status:** Synonym of *Fundulus* Lacepède 1803. Fundulidae.

:

See note below next record.

:

Kihnichthys McMahan [C. D.] & Matamoros [W. A.] in McMahan et al. 2015:222 [ref. 33920]. Masc. *Vieja ufermanni* Allgayer 2008 (**odm**). Type by original designation (also monotypic). •Valid as *Kihnichthys* McMahan & Matamoros 2015 -- (Říčan et al. 2016:42 [ref. 34357]). **Current status:** Valid as *Kihnichthys* McMahan & Matamoros 2015. Cichlidae: Cichlinae.

At one stage you were trying to get rid of abbreviations and acronyms.

“

Batrachus Walbaum [J. J.] (ex Klein) 1792:580 [ref. 4572]. Masc. **Batrachus Walbaum (ex Klein) 1792:580 [ref. 4572].** Not available, published in a part of work rejected for nomenclatural purposes in Opinion 21 (1938). Based on Klein 1742:15 [ref. 30141]. •In the synonymy of *Lophius* Linnaeus 1758. **Current status:** Synonym of *Lophius* Linnaeus 1758. Lophiidae.

“

Shipa (subgenus of *Acipenser*) Brandt [J. F.] 1869:113 [ref. 618]. Fem. *Acipenser shipa* of **Güldenstädt** Type by subsequent designation. As a subgenus of *Acipenser* with 2 species: *A. shipa* of **Güldenstädt** (not of Brandt and Ratzeburg) and *Acipenser nudiventris* Lovetski. Jordan 1919:354 [ref. 4904] gives type as *A. schypa* Eichwald = *A. nudiventris* Lovetski; Jordan misspells genus as *Schipa*. Treated as feminine, Art. 30.2.4. •Synonym of *Acipenser* Linnaeus 1758. **Current status:** Synonym of *Acipenser* Linnaeus 1758. Acipenseridae.

schypa of Güldenstädt 1772 – See record below

“

schypa, Acipenser Güldenstädt [J. A. von] 1772:533 [Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae v. 16 (for 1771); ref. [5066](#)] Not available, non-binominal, see Kottelat 1997:31 [ref. [22952](#)]. Name made available by Bonnaterre 1788:16 [ref. [4940](#)]. •In the synonymy of *Acipenser nudiventris* Lovetsky 1828 -- (Kottelat 1997:31 [ref. [22952](#)], Parin et al. 2014:43 [ref. [33547](#)]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae.

“

troworum, Galeichthys Kulongowski [C.] 2010:14, Figs. 4, 5 6G, 7 [Smithiana, Publications in Aquatic Biodiversity, Bulletin No. 12; ref. [30940](#)] Coffee Bay, 31°59'14"S, 29°09'14"E, Eastern Cape Province, South Africa, Indian Ocean, depth 31 meters Holotype: SAIAB 60957. Paratypes: AMNH, AMS, BMNH, CAS, MZUSP, SAIAB, USNM. Plus additional non-type material. The species name was based on Eugene Trow Jr. and his father Eugene Trow Sr., and **first appeared as *trowi***; this is an incorrect original spelling, and must be amended to *troworum* according to ICZN Art. 31.1.2-3. •Valid as *Galeichthys troworum* Kulongowski 2010. **Current status:** Valid as *Galeichthys troworum* Kulongowski 2010. Ariidae: Galeichthyinae. Distribution: Southwestern Indian Ocean: South Africa. Habitat: marine.

You have always maintained that you wanted to record the exact original names and not correct them from the outset.

:

Hirtella Pereira [E. H. L.], ***Zanata* [A.]**, Cetra [M.] & Reis [R. E.] 2014:673 [ref. [33601](#)]. Fem. *Hirtella carinata* Pereira, Zanata, Cetra & Reis 2014. Type by original designation (also monotypic). •Valid as *Hirtella* Pereira, Zanata, Cetra & Reis 2014 -- (Pereira & Reis 2017:71 [ref. [35307](#)]). **Current status:** Valid as *Hirtella* Pereira, Zanata, Cetra & Reis 2014. Loricariidae: Neoplecostominae.

***Zanata* [A. M.]**

:

***Myxocephalus Steindachner* [F.] & Döderlein [L.]** 1887:148 [ref. [20491](#)]. Masc. *Myxocephalus japonicus* Steindachner 1887. Type by monotypy. Also appeared as new in Steindachner & Döderlein 1887:281 [ref. [4249](#)]. •Synonym of *Diplacanthopoma* Günther 1887 -- (Cohen & Nielsen 1978:47 [ref. [881](#)], Nielsen & Cohen in Nielsen et al. 1999:96 [ref. [24448](#)], Møller et al. 2016:Appendix A [ref. [34432](#)] in Bythitidae). **Current status:** Synonym of *Diplacanthopoma* Günther 1887. Bythitidae.

***Steindachner* [F.]**

:

Nosferatu De la Maza-Benignos [M.], ***Ornelas-García* [C. P.]**, Lozano-Vilano [M. de L.], García-Ramírez et al. 2015:210 [ref. [33310](#)]. Masc. *Herichthys pame* De la Maza-Benignos & Lozano-Vilano Type by original designation. •Valid as *Nosferatu* De la Maza-Benignos, Ornelas-García, Lozano-Vilano, García-Ramírez & Doadrio 2015 -- (McMahan et al. 2015:220 [ref. [33920](#)]). •Synonym of *Herichthys* Baird & Girard 1854 -- (Mejía et al. 2015:71 [ref. [33860](#)], Říčan et al. 2016:40 [ref. [34357](#)]). **Current status:** Synonym of *Herichthys* Baird & Girard 1854. Cichlidae: Cichlinae.

Ornelas-García

:

***Thalassinus Moreau* [E.]** 1881:319, 320 (v. 1) [ref. [3040](#)]. Masc. *Squalus rondeletii* Risso 1810. Type by monotypy. •Objective synonym of *Thalassorhinus* Valenciennes 1838; synonym of *Prionace* Cantor 1849 -- (Compagno 1973:30 [ref. [7163](#)], Compagno 1984:521 [ref. [6846](#)], Compagno 1988:346 [ref. [13488](#)]). **Current status:** Synonym of *Prionace* Cantor 1849. Carcharhinidae.

***Moreau* [É.]**

:

Villarius Rutter [C. M.] 1896:256 [ref. 3841]. Masc. *Villarius pricei* Rutter 1896. Type by subsequent designation. Type designated by Jordan & Evermann 1898:2789 [ref. 2445]. •Synonym of *Ictalurus Rafinesque* 1820 -- (Gilbert 1998:22 [ref. 23395], Ferraris 2007:208 [ref. 29155], Minckley & Marsh 2009:219 [ref. 31114]). **Current status:** Synonym of *Ictalurus Rafinesque* 1820. Ictaluridae.

Rutter [C. L.]

:

songamensis, Nahangbagrus Nguyen [V. H.] & Vo [V. B.] **in Nguyen** 2005:551, Fig. 4 [Freshwater fishes of Vietnam v. 2; ref. 29730] Mo Tôm, Thanh Tuong, Nà Hang, Tuyen Quang, Vietnam, 22°20'N, 105°20'E. Holotype: NCNTTS I, Bac Ninh. Paratypes: (5). •Valid as *Nahangbagrus songamensis* Nguyen & Vo 2005 -- (Kottelat 2013:217 [ref. 32989]). **Current status:** Valid as *Nahangbagrus songamensis* Nguyen & Vo 2005. Amblycipitidae. Distribution: Mo Tôm, Nà Hang, Tuyen Quang, Vietnam. Habitat: freshwater.

in Nguyen and Nguyen

:

Sauronglanis (subgenus of *Centromochlus*) Grant [S.] 2015:3 [ref. 33806]. *Tatia musaica* **Reyero** 1992. Type by original designation. •Synonym of *Tatia* Miranda Ribeiro 1911. **Current status:** Synonym of *Tatia* Miranda Ribeiro 1911. Auchenipteridae: Centromochlinae.

Royero

:

Fangfangia Britz [R.], Kottelat [M.] & Tan [H. H.] 2012:330 [ref. 31754]. Fem. *Fangfangia spinicleithralis* **Brits**, Kottelat & Tan 2012. Type by original designation (also monotypic). •Valid as *Fangfangia* Britz, Kottelat & Tan 2012 -- (Kottelat 2013:102 [ref. 32989]). **Current status:** Valid as *Fangfangia* Britz, Kottelat & Tan 2012. Cyprinidae: Sundadanioninae.

Britz

:

Austranchovia Whitley [G. P.] 1931:311 [ref. 4672]. Fem. *Atherina australis* **White** 1790. Type by original designation (also monotypic). •Synonym of *Engraulis* Cuvier 1816 -- (Whitehead et al. 1988 [ref. 5725]). **Current status:** Synonym of *Engraulis* Cuvier 1816. Engraulidae.

Shaw

:

eleonora, Nannoplecostomus Ribeira [A. C.], Lima [F. C. T.] & Pereira [E. H. L.] 2012:638, Figs. 1-3 [Copeia 2012 (no. 4); ref. 32358] São Domingos, Rio da Lapa, a tributary to Rio São Domingos, itself a tributary to Rio Paranã, upper Rio Tocantins basin, near the entrance of Lapa Terra Ronca, Terra Ronca State Park, 13°43'09"S, 46°21'17"W, Goiás State, Brazil. Holotype: MZUSP 106059. Paratypes: many at AMNH, ANSP, CPUFMT, MNRJ, MZUSP, ZUEC. •Valid as *Nannoplecostomus eleonora* **Ribeira**, Lima & Pereira 2012 -- (Pereira & Reis 2017:82 [ref. 35307] no subfamily, Roxo et al. 2017:351 [ref. 35310]). **Current status:** Valid as *Nannoplecostomus eleonora* **Ribeira**, Lima & Pereira 2012. Loricariidae. Distribution: Rio Paranã, Brazil. Habitat: freshwater.

Ribeiro

:

Pnictes Jordan [D. S.] 1919:343 [ref. 2413]. Masc. *Achiroopsis asphyxiatus* **Jordan & Goss** 1889. Type by original designation (also monotypic). •Synonym of *Apionichthys* Kaup 1858 -- (Ramos 2003:100 [ref. 26762]). •Valid as *Pnictes* Jordan 1919 -- (Ramos in Reis et al. 2003:668 [ref. 27061]). **Current status:** Valid as *Pnictes* Jordan 1919. Achiridae.

Jordan

:
Lioniscus (subgenus of *Acipenser*) Bonaparte [C. L.] (ex Heckel & Fitzinger) 1846:20 [ref. 519]. Masc. *Acipenser glaber* **Fitzinger** 1836. Type by monotypy. Latinization of "Lionisci" Heckel & Fitzinger 1836. •Synonym of *Acipenser* Linnaeus 1758. **Current status:** Synonym of *Acipenser* Linnaeus 1758. Acipenseridae.

Heckel

:
Aetoplatea Valenciennes [A.] in Müller & Henle 1841:175 [ref. 3069]. Fem. *Aetoplatea tentaculata* **Müller & Henle** 1841. Type by monotypy. Name spelled *Aëtoplatea* in original description. *Aetoplatia* Agassiz 1846:10 [ref. 64] and of Scudder 1882:8 [ref. 6462] is an unjustified emendation. •Valid as *Aetoplatea* Valenciennes 1841 -- (Nishida 1990:98 [ref. 19783], Compagno & Last 1999:1507 [ref. 24637], Compagno 1999:497 [ref. 25589], Compagno et al. 2005:76 [ref. 29145]). •Synonym of *Gymnura* van Hasselt 1823 -- (Cappetta 1987:165 [ref. 6348], Jacobsen & Bennett 2009:9 [ref. 30470], Smith et al. 2009:762 [ref. 31278]). **Current status:** Synonym of *Gymnura* van Hasselt 1823. Gymnuridae.

Valenciennes

:
Alexurus Jordan [D. S.] 1895:511 [ref. 2394]. Masc. *Alexurus armiger* **Jordan** 1895. Type by original designation (also monotypic). •Synonym of *Erotelis* Poey 1860 -- (Castro-Aguirre et al. 1999:419 [ref. 24550]). •Synonym of *Eleotris* Bloch & Schneider 1801 -- (Miller 1998:274 [ref. 24950]). **Current status:** Synonym of *Erotelis* Poey 1860. Eleotridae: Eleotrinae.

Jordan & Richardson

:
Ameca Miller [R. R.] & Fitzsimons [J. M.] 1971:3 [ref. 3019]. Fem. *Ameca splendens* Miller & **Fitzsimons** 1971. Type by original designation (also monotypic). •Valid as *Ameca* Miller & Fitzsimons 1971 -- (Uyeno et al. 1983:503 [ref. 6818], Scharpf 2007:26 [ref. 30398], Minckley & Marsh 2009:233 [ref. 31114]). **Current status:** Valid as *Ameca* Miller & Fitzsimons 1971. Goodeidae: Goodeinae.

Fitzsimons

:
Auchenichthys Kaup [J. J.] in Duméril 1856:198 [ref. 1154]. Masc. *Auchenichthys typus* **Kaup** 1856. Not available; name only as "*Auchenichthys typus*" in list of genera and species taken from Kaup manuscript. Later named *Achirophichthys* by Bleeker 1864. •In the synonymy of *Brachysomophis* Kaup 1856. **Current status:** Synonym of *Brachysomophis* Kaup 1856. Ophichthidae: Ophichthinae.

Duméril

:
Scobinichthys Whitley [G. P.] 1931:332 [ref. 4672]. Masc. *Balistes granulata* **White (or Shaw)** 1790. Type by original designation (also monotypic). •Valid as *Scobinichthys* Whitley 1931 -- (Matsuura 1979:165 [ref. 7019], Tyler 1980:178 [ref. 4477], Arai 1983:200 [ref. 14249], Gomon et al. 1994:889 [ref. 22532], Hutchins 2001:3933 [ref. 26316], Allen et al. 2006:1897 [ref. 29098], Hutchins 2008:840 [ref. 30658], Matsuura 2014:13 [ref. 33576]). **Current status:** Valid as *Scobinichthys* Whitley 1931. Monacanthidae.

Shaw

:
Caudania Roule [L.] 1935:2 [ref. 3824]. Fem. *Bathytroctes mollis* **Koehler** 1896. Type by monotypy. •Synonym of *Rouleina* Jordan 1923 -- (Krefft 1973:91 [ref. 7166]). **Current status:** Synonym of *Rouleina* Jordan 1923. Alepocephalidae.

Köhler

:

Evermanniana Taranetz [A. Ya.] 1935:91 [ref. 4339]. Fem. *Blennicottus clarki* **Evermann & Gill** 1907. Type by original designation (also monotypic).
•Synonym of *Artediellus* Jordan 1885 -- (Neyelov 1979:153 [ref. 3152], Nelson 1986:34 [ref. 5808], Parin et al. 2014:235 [ref. 33547]). **Current status:** Synonym of *Artediellus* Jordan 1885. Cottidae.

Evermann & Goldsborough

:

Dactyleptus Rafinesque [C. S.] 1815:82 [ref. 3584]. Masc. *Blennius muraenoides* **Zouiev** 1779. Type by being a replacement name. As "*Dactyleptus* R. [Rafinesque] *Muraenoide* Lac. [Lacepède]." Apparently an available (unneeded) replacement name for *Muraenoides* Lacepède 1800. •Synonym of *Pholis* Scopoli 1777 -- (Makushok 1973:534 [ref. 6889], Yatsu 1981:169 [ref. 4814], Mecklenburg 2003:3 [ref. 27299], Parin et al. 2014:453 [ref. 33547]). **Current status:** Synonym of *Pholis* Scopoli 1777. Pholidae.

Zuiew

:

Muraenoides Lacepède [B. G. E.] 1800:324 [ref. 2709]. Masc. *Muraenoides sujef* Lacepède 1800 (= *Blennius muraenoides* **Zouiev** 1779). Type by monotypy. *B. sujef* Lacepède is an unneeded replacement for *Blennius muraenoides* **Zouiev**.
•Synonym of *Pholis* Scopoli 1777 -- (Makushok 1973:534 [ref. 6889], Yatsu 1981:169 [ref. 4814], Mecklenburg 2003:3 [ref. 27299], Parin et al. 2014:453 [ref. 33547], Mecklenburg et al. 2016:212 [ref. 34440]). **Current status:** Synonym of *Pholis* Scopoli 1777. Pholidae.

Zuiew

:

Salaria Forsskål [P. S.] 1775:x, 22 [ref. 1351]. Fem. *Blennius salaria* **Bloch** 1801. Type by subsequent designation. Appeared first without included species. Earliest addition of species not researched (see remarks on type in Krupp & Schneider 1989:405 [ref. 13651]). Jordan & Evermann 1898:2377 [ref. 2445] list *basiliscus* as type. Fricke (pers. comm.) suggests that the author of the genus is Bath [ex Forsskål] 1977.
•Synonym of *Blennius* Linnaeus 1758 -- (Bath 1973:519 [ref. 7212]). •Valid as *Salaria* Forsskål 1775 -- (Bath 1977:208 [ref. 208], Bath 1986:356 [ref. 6217], Krupp & Schneider 1989:405 [ref. 13651], Bath 1996:92 [ref. 22687], Bath 2001:5 [ref. 25713], Bath 2003:95 [ref. 27343], Kottelat 2004:121 [ref. 27669], Almada et al. 2005:289 [ref. 28398], Kottelat & Freyhof 2007:545 [ref. 29996], Hastings & Springer 2009:70 [ref. 30395], Doadrio et al. 2012:151 [ref. 31858], Levy et al. 2012:3 [ref. 32539], Parin et al. 2014:470 [ref. 33547]). **Current status:** Valid as *Salaria* Forsskål 1775. Blenniidae: Salariinae.

Bloch & Schneider

:

Brachioptilon Hamilton [F.] in Newman 1849:2358 [ref. 3169]. Masc. *Brachioptilon hamiltoni* **Hamilton** 1849. Type by monotypy. Description entirely quoted from C. B. Hamilton; name selected by Newman. •Synonym of *Manta* Bancroft 1829 -- (Cappetta 1987:176 [ref. 6348]). •Synonym of *Mobula* Rafinesque 1810. **Current status:** Synonym of *Mobula* Rafinesque 1810. Mobulidae.

Hamilton & Newman

:

Margaritodon Smith [J. L. B.] 1956:15 [ref. 4104]. Masc. *Callyodon verweyi* **Weber & de Beaufort** 1940. Type by original designation. Misspelled *Margaritdon* on p. 4 (corrected in 1969 edition). •Synonym of *Scarus* Forsskål 1775 -- (Bellwood 1994:67 [ref. 19116], Parenti & Randall 2000:54 [ref. 24943], Kottelat 2013:381 [ref. 32989]). **Current status:** Synonym of *Scarus* Forsskål 1775. Scaridae: Scarinae.

de Beaufort

:

Campellolebias Vaz-Ferreira [R.] & Sierra de Soriano [B.] 1974:14 [ref. 4517].

Masc. *Campellolebias brucei* **Vaz-Ferreira & Sierra** 1974. Type by original designation (also monotypic). •Synonym of *Cynolebias* Steindachner 1876 -- (Parenti 1981:490 [ref. 7066]). •Valid as *Campellolebias* **Vaz-Ferreira & Sierra** 1974 -- (Costa et al. 1989 [ref. 9292], Costa 1990:88 [ref. 16650], Costa 1995:96 [ref. 22097], Costa 1995:349 [ref. 22103], Costa 1998:74 [ref. 23792], Murphy et al. 1999:292 [ref. 25492], Lazara 2001:69 [ref. 25711], Costa 2002:11 [ref. 26061], Costa 2002:280 [ref. 26544], Costa in Reis et al. 2003:528 [ref. 27061], Costa 2004:2 [ref. 27874], Huber 2005:15 [ref. 28394], Costa 2006:34 [ref. 28724], Costa 2008:147 [ref. 29596], Costa 2012:313 [ref. 31750], Costa 2014:25 [ref. 33309], Costa 2016:129 [ref. 34776] in *Cynopoecilini*). **Current status:** Valid as *Campellolebias* **Vaz-Ferreira & Sierra** 1974. Cynolebiidae: Cynolebiinae.

Vaz-Ferreira & Sierra de Soriano

:

Aprion (subgenus of *Carcharias*) Müller [J.] & Henle [F. G. J.] 1839:31 [ref. 3069].

Masc. *Carcharias (Aprion) isodon* **Müller & Henle** 1839. Type by subsequent designation. Earliest type designation not researched; three included species in 1839:31. Objectively invalid; preoccupied by *Aprion* Valenciennes 1830 in fishes. •In the synonymy of *Carcharhinus* Blainville 1816 -- (Compagno 1984:449 [ref. 6846], Cappetta 1987:121 [ref. 6348], Compagno 1988:307 [ref. 13488], Leis & Lee 1994:69 [ref. 21402], Carvalho & McEachran in Reis et al. 2003:13 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424], Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Eulamia Gill [T. N.] 1862:399, 401 [ref. 1783]. Fem. *Carcharias (Prionodon) milberti* **Müller & Henle** 1839. Type by monotypy. Type (p. 401) as "*Eulamia lamia* Gill" which might refer to *C. lamia* Blainville but as given is a nomen nudum; Gill 1962:409 [ref. 4910] includes only *milberti*. •Synonym of *Carcharhinus* Blainville 1816 -- (Compagno 1973:23 [ref. 7163], Garrick 1982:19 [ref. 5454], Daget 1984:2 [ref. 6170], Cappetta 1987:121 [ref. 6348], Compagno 1988:307 [ref. 13488], Castro-Aguirre et al. 1999:47 [ref. 24550], Carvalho & McEachran in Reis et al. 2003:13 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424], Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Hypoprionodon Gill [T. N.] 1862:400, 401 [ref. 1783]. Masc. *Carcharias (Hypoprion) hemiodon* **Müller & Henle** 1839. Type by original designation (also monotypic). Also in Gill 1862:409 [ref. 4910]. •Synonym of *Carcharhinus* Blainville 1816 -- (Compagno 1984:449 [ref. 6846], Compagno 1988:307 [ref. 13488], Carvalho & McEachran in Reis et al. 2003:13 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424], Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Isogomphodon Gill [T. N.] 1862:400, 401 [ref. 1783]. Masc. *Carcharias (Prionodon) oxyrhyndus* **Müller & Henle** 1839. Type by original designation (also monotypic). Also in Gill 1862:410 [ref. 4910]. •Valid as *Isogomphodon* Gill 1862 -- (Compagno 1984:510 [ref. 6846], Cappetta 1987:120 [ref. 6348], Compagno 1988:301 [ref. 13488], Compagno 1999:483 [ref. 25589], Compagno 2003:469 [ref. 26984], Voigt & Weber 2011:14 [ref. 31424], Voigt & Weber 2011:32 [ref. 31424]). **Current status:** Valid as *Isogomphodon* Gill 1862. Carcharhinidae.

Valenciennes

:

Isoplagiodon Gill [T. N.] 1862:400, 401 [ref. 1783]. Masc. *Carcharias* (*Prionodon*) *sorrah* **Müller & Henle** 1839. Type by original designation (also monotypic). Also in Gill 1862:410 [ref. 4910]. •Synonym of *Carcharhinus* Blainville 1816 -- (Garrick 1982:19 [ref. 5454], Compagno 1984:449 [ref. 6846], Cappetta 1987:121 [ref. 6348], Compagno 1988:307 [ref. 13488], Carvalho & McEachran in Reis et al. 2003:13 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424], Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Longmania Whitley [G. P.] 1939:231 [ref. 4695]. Fem. *Carcharias* (*Aprion*) *brevipinna* **Müller & Henle** 1839. Type by original designation (also monotypic). •Synonym of *Carcharhinus* Blainville 1816 -- (Compagno 1973:23 [ref. 7163], Garrick 1982:19 [ref. 5454], Daget 1984:2 [ref. 6170], Compagno 1984:449 [ref. 6846], Cappetta 1987:121 [ref. 6348], Compagno 1988:308 [ref. 13488], Carvalho & McEachran in Reis et al. 2003:14 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424], Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Physodon Valenciennes [A.] in Müller & Henle 1838:30 [ref. 3069]. Masc. *Carcharias* (*Physodon*) *muelleri* **Müller & Henle** 1839. Type by monotypy. Also apparently appeared as Valenciennes in Bonaparte 1838:10 (of separate) [ref. 4979] with no species named. Also appeared with type species allocation in Valenciennes in Müller & Henle 1839:30 [ref. 3069]. •Synonym of *Scoliodon* Müller & Henle 1837 -- (Compagno 1984:533 [ref. 6846], Compagno 1988:284 [ref. 13488], Kottelat 2013:23 [ref. 32989] with different author). **Current status:** Synonym of *Scoliodon* Müller & Henle 1837. Carcharhinidae.

Valenciennes

:

Platypodon Gill [T. N.] 1862:401 [ref. 1783]. Masc. *Carcharias* (*Prionodon*) *menisorrah* **Müller & Henle** 1839. Type by original designation (also monotypic). •Synonym of *Carcharhinus* Blainville 1816 -- (Garrick 1982:19 [ref. 5454] but misspelled *Platyposdon*, Compagno 1984:449 [ref. 6846], Cappetta 1987:121 [ref. 6348], Compagno 1988:307 [ref. 13488], Castro-Aguirre et al. 1999:47 [ref. 24550], Carvalho & McEachran in Reis et al. 2003:14 [ref. 27061], Voigt & Weber 2011:14 [ref. 31424] as *Platyposdon*, Kottelat 2013:20 [ref. 32989]). **Current status:** Synonym of *Carcharhinus* Blainville 1816. Carcharhinidae.

Valenciennes

:

Cephalopholis Bloch [M. E.] & Schneider [J. G.] 1801:311 [ref. 471]. Fem. *Cephalopholis argus* **Bloch & Schneider** 1801. Type by monotypy. •Synonym of *Epinephelus* Bloch 1793, but a valid subgenus *Cephalopholis* -- (Smith 1971:91 [ref. 14102], Kendall 1984:501 [ref. 13663], Baldwin & Johnson 1993:251 [ref. 27443]). •Valid as *Cephalopholis* Bloch & Schneider 1801 -- (Katayama in Masuda et al. 1984:127 [ref. 6441], Heemstra & Randall 1986:516 [ref. 5667], Daget & Smith 1986:299 [ref. 6204], Smith-Vaniz et al. 1988 [ref. 9299], Paxton et al. 1989:490 [ref. 12442], Heemstra 1991:9 [ref. 19323], Randall & Heemstra 1991:25 [ref. 19601], Bauchot in Lévêque et al. 1992:664 [ref. 21590], Heemstra & Randall 1993:25 [ref. 21042], Heemstra & Randall 1999:2447 [ref. 24815], Heemstra & Randall 1999:2449 [ref. 24815], Craig et al. 2001:126 [ref. 26133], Heemstra et al. 2003:1314 [ref. 27060], Craig & Hastings 2007:16 [ref. 29046], Hoese et al. 2006:1003 [ref. 28999], Motomura & Satapoomin 2009:83 [ref. 30492], Craig et al. 2011:12 [ref. 31786], Kottelat 2013:325 [ref. 32989], Engin et al. 2016:184 [ref. 34718], Motomura et al. 2017:80 [ref. 35490], Fricke et al. 2018:144 [ref. 35805]). **Current**

status: Valid as *Cephalopholis* Bloch & Schneider 1801. Serranidae: Epinephelinae.

Schneider

:

Chaenopsis Gill [T. N.] (ex Poey) 1865:141 [ref. 1676]. Fem. *Chaenopsis ocellatus* **Gill** 1865. Type by monotypy. Spelling of type species should be *ocellata*. •Valid as *Chaenopsis* Gill 1865 -- (Stephens 1963:98 [ref. 4270], Acero P. 1984:29 [ref. 5534], Hastings 1992:154 [ref. 21074], Smith-Vaniz 2000:918 [ref. 25062], Williams 2003:1762 [ref. 27109], Hastings & Springer 2009:12 [ref. 30391], Hastings 2009:101 [ref. 30397], Hastings & Springer 2009:8 [ref. 31156], Lin & Hastings 2013:3 [ref. 33286]). **Current status:** Valid as *Chaenopsis* Gill 1865. Chaenopsidae.

Poey

:

Mesochaetodon Maugé [A. L.] & Bauchot [R.] 1984:476 [ref. 6614]. Masc. *Chaetodon nippon* **Döderlein** 1883. Type by original designation. Also described as a new monotypic subgenus. Maugé & Bauchot included in their new genus *Mesochaetodon* the genus *Corallochaetodon* Burgess 1978; but *Corallochaetodon* Burgess has priority over *Mesochaetodon* at the generic level. •Synonym of *Chaetodon* Linnaeus 1758 **Current status:** Synonym of *Chaetodon* Linnaeus 1758. Chaetodontidae.

Steindachner & Döderlein

:

Cottiusculus Jordan [D. S.] & Starks [E. C.] (ex Schmidt) 1904:298 [ref. 2528]. Masc. *Cottiusculus gonez* **Jordan** 1904. Type by original designation (name in parentheses). Appeared as name only in Schmidt 1903:518 (p. 16 of separate) [ref. 3945]. Apparently appeared first in an available way in Jordan & Starks as above (28 Jan.), then in Schmidt 1904:108 [ref. 3946]. •Valid as *Cottiusculus* Jordan & Starks 1904 [sometimes with authorship as Schmidt] -- (Watanabe 1960:168 [ref. 11959], Neyelov 1979:116, 161 [ref. 3152], Washington et al. 1984:442 [ref. 13660], Yabe in Masuda et al. 1984:327 [ref. 6441], Yabe 1985:111 [ref. 11522], Lindberg & Krasnyukova 1987:237 [ref. 15964], Parin et al. 2002:S72 [ref. 28300], Kai & Nakabo 2009:214 [ref. 30299], Parin et al. 2014:240 [ref. 33547]). **Current status:** Valid as *Cottiusculus* Jordan & Starks 1904. Cottidae.

Jordan & Starks

:

Centropogon Günther [A.] 1860:128 [ref. 1963]. Masc. *Cottus australis* **White** 1790. Type by subsequent designation. Type designated by Bleeker 1876:5 [ref. 12248] and 1876:297 [ref. 450] as *Apistus australis* Cuvier & Valenciennes. •Valid as *Centropogon* Günther 1860 -- (Washington et al. 1984:440 [ref. 13660], Paxton et al. 1989:439 [ref. 12442], Gomon et al. 1994:477 [ref. 22532], Poss 1999:2296 [ref. 24796], Mandrytsa 2001:260 [ref. 25636], Allen et al. 2006:897 [ref. 29078], Johnson & Motomura 2008:499 [ref. 30648]). **Current status:** Valid as *Centropogon* Günther 1860. Tetrarogidae.

Shaw

:

Hypsolebias (subgenus of *Simpsonichthys*) Costa [W. J. E. M.] 2006:17 [ref. 28620]. *Cynolebias flavicaudatus* **Costa & Basil** 1990. Type by original designation. •Synonym of *Simpsonichthys* Carvalho 1959, but a valid subgenus *Hypsolebias* as described -- (Costa 2007:54 [ref. 29445], Nielsen et al. 2010:57 [ref. 30828], Costa 2010:1997 [ref. 30858]). •Valid as *Hypsolebias* Costa 2006 -- (Costa & Amorim 2011:99 [ref. 31380], Costa 2011:221 [ref. 31654], Costa et al. 2012:72 [ref. 31845], Nielsen et al. 2012:63 [ref. 32283], Costa et al. 2013:1 [ref. 32952], Costa 2013:141 [ref. 33008], Nielsen et al. 2014:27 [ref. 33143], Costa 2014:25 [ref. 33309], Nielsen et al. 2014:131 [ref. 33451], Ponzetto et al. 2016:[7] [ref. 34144] but paraphyletic, Britzke et al. 2016:123 [ref. 34461]). **Current status:** Valid as *Hypsolebias* Costa 2006. Cynolebiidae: Cynolebiinae.

Costa & Brasil

Deltatylosurus Martín Salazar [F. J.] 1954:4 [ref. 2900]. Masc. *Deltatylosurus guayoensis* **Martin** 1954. Type by monotypy. •Synonym of *Pseudotylosurus* Fernández-Yépez 1948 -- (Collette 1974:171 [ref. 7131], Lovejoy & Collette in Reis et al. 2003:587 [ref. 27061], Collette 2003:5 [ref. 27306]). **Current status:** Synonym of *Pseudotylosurus* Fernández-Yépez 1948. Belonidae.

Martín Salazar

:

Dermogenys Kuhl [H.] & van Hasselt [J. C.] in van Hasselt 1823:131 [ref. 5963]. Fem. *Dermogenys pusillus* [a] **van Hasselt** 1823. Type by monotypy. Spelled *Dermatogenys* by Peters 1865:163 [not researched]. Species apparently should be emended to *pusilla*. •Valid as *Dermogenys* Kuhl & van Hasselt 1823 -- (Parin & Astakhov 1982:280 [ref. 26258], Collette et al. 1984:336 [ref. 11422], Kottelat 1985:271 [ref. 11441], Kottelat 1987:370 [ref. 5962], Kottelat 1989:16 [ref. 13605], Roberts 1989:154 [ref. 6439], Brembach 1991:152 [ref. 20227], Meisner & Collette 1998:373 [ref. 23906], Meisner & Collette 1999:70 [ref. 23950], Meisner & Louie 2000:361 [ref. 25079], Meisner 2001:215 [ref. 25599], Aatur Rahman 2003:75 [ref. 31338], Collette 2004:14 [ref. 27583], Shibukawa 2009:49 [ref. 30449], Tan & Lim 2013:735 [ref. 32888], Kottelat 2013:293 [ref. 32989], Huylebrouck et al. 2014:200 [ref. 33515]). **Current status:** Valid as *Dermogenys* Kuhl & van Hasselt 1823. Zenarchopteridae.

Kuhl & van Hasselt

:

Diretmichthys Kotlyar [A. N.] 1990:145 [ref. 20897]. Masc. *Diretmoides parini* **Post & Quero** 1981. Type by original designation (also monotypic). •Valid as *Diretmichthys* Kotlyar 1990 -- (Kotlyar 1996:232 [ref. 23292], Paxton 1999:2211 [ref. 24788], Kotlyar 2002:136 [ref. 25963], Moore 2003:1181 [ref. 27002], Paxton et al. 2006:762 [ref. 28995], Bray 2008:431 [ref. 30620], Roberts 2015:1005 [ref. 34256], Bañón et al. 2016:319 [ref. 34397]). **Current status:** Valid as *Diretmichthys* Kotlyar 1990. Diretmidae.

Post & Quéro

:

Acanthocephalus Döderlein [L.] in Steindachner & Döderlein 1883:237 [ref. 4246]. Masc. *Doederleinia orientalis* **Steindachner** 1883. Type by monotypy. Not available, name noted in passing in synonymy of *Doederleinia*; not subsequently made available; also preoccupied. •In the synonymy of *Doederleinia* Steindachner 1883. •Mention -- (Yamanoue & Matsuura 2007:405 [ref. 29357]). **Current status:** Synonym of *Doederleinia* Steindachner 1883. Acropomatidae.

Steindachner & Döderlein

:

Doederleinia Steindachner [F.] in Steindachner & Döderlein 1883:237 [ref. 4246]. Fem. *Doederleinia orientalis* **Döderlein** 1883. Type by monotypy. Originally as *Döderleinia*, correction to *Doederleinia* mandatory. Regarded as not preoccupied by *Doderleinia* Mayer 1872 in Mollusca (a name with different spelling and apparently not emended before 1883 to *Doederleinia*). Yamanoue et al. 2008:407 [ref. 29891] discuss authorship of *Doederleinia* and of *orientalis* and the status of *Acanthocephalus*. •Valid as *Doederleinia* Steindachner 1883 in Percichthyidae (Katayama in Masuda et al. 1984:124 [ref. 6441], Paxton et al. 1989:511 [ref. 12442]). •Valid as *Doederleinia* Steindachner 1883 in Acropomatidae -- (Johnson 1984:464 [ref. 9681], Carpenter 1999:2437 [ref. 24813], Paxton et al. 2006:976 [ref. 28994], Prokofiev 2007:423 [ref. 29273] in Doderleiniidae, Yamanoue & Matsuura 2007:404 [ref. 29357], Yamanoue et al. 2008:407 [ref. 29891], Shinohara et al. 2011:48 [ref. 31715] as *Doderleinia*, Yamanoue 2016:1 [ref. 34736], Motomura et al. 2017:78 [ref. 35490]). **Current status:** Valid as *Doederleinia* Steindachner 1883. Acropomatidae.

Steindachner & Döderlein

Rhinodoras Bleeker [P.] 1862:5 [ref. 393]. Masc. *Doras (Oxydoras) dorbignyi* **Krøyer** 1855. Type by original designation (also monotypic). •Valid as *Rhinodoras* Bleeker 1862 -- (Glodek et al. 1976 [ref. 7068], Burgess 1989:224 [ref. 12860], de Pinna 1998:307 [ref. 23847], Britski et al. 1999:120 [ref. 24147], Sabaj & Ferraris in Reis et al. 2003:465 [ref. 27061], Ferraris 2007:178 [ref. 29155], Sabaj et al. 2008:214 [ref. 29538], Birindelli 2014:530 [ref. 33501] in Doradinae, Bertaco et al. 2016:416 [ref. 34561]). **Current status:** Valid as *Rhinodoras* Bleeker 1862. Doradidae: Doradinae.

Kner

:

Lycengraulis (subgenus of *Engraulis*) Günther [A.] 1868:385, 399 [ref. 1990].

Fem. *Engraulis grossidens* **Agassiz** 1829. Type by subsequent designation. Described in key (p. 385) as a subgenus of *Engraulis* for two species on p. 399. Type designated by Jordan & Evermann 1896:451 [ref. 2443] (see Whitehead 1967:134 [ref. 6464]). •Valid as *Lycengraulis* Günther 1868 -- (Grande 1985:245 [ref. 6466], Nizinski & Munroe 2003:765 [ref. 26995], Kullander & Ferraris in Reis et al. 2003:40 [ref. 27061], Loeb & Alcântara 2013:200 [ref. 32809], Angulo et al. 2013:990 [ref. 33194], Bertaco et al. 2016:411 [ref. 34561]). **Current status:** Valid as *Lycengraulis* Günther 1868. Engraulidae.

Spix & Agassiz

:

Exochochromis Eccles [D. H.] & Trewavas [E.] 1989:186 [ref. 13547].

Masc. *Exochochromis anagenys* **Eccles & Trewavas** 1989. Type by original designation (also monotypic). The authors credit the type species to Oliver and cite Oliver 1984 but that was an unpublished thesis; species evidently dates to Eccles & Trewavas as above. •Valid as *Exochochromis* Eccles & Trewavas 1989 -- (Maréchal 1991:89 [ref. 20944], Snoeks & Hanssens 2004:281 [ref. 28117]). **Current status:** Valid as *Exochochromis* Eccles & Trewavas 1989. Cichlidae: Pseudocrenilabrinae.

Oliver – see the species record

:

Fangfangia Britz [R.], Kottelat [M.] & Tan [H. H.] 2012:330 [ref. 31754].

Fem. *Fangfangia spinicleithralis* **Brits**, Kottelat & Tan 2012. Type by original designation (also monotypic). •Valid as *Fangfangia* Britz, Kottelat & Tan 2012 -- (Kottelat 2013:102 [ref. 32989]). **Current status:** Valid as *Fangfangia* Britz, Kottelat & Tan 2012. Cyprinidae: Sundadanioninae.

Britz

:

Neoglyphidodon Allen [G. R.] 1991:246 [ref. 19344]. Masc. *Glyphisodon*

melas **Cuvier** 1830. Type by original designation. •Valid as *Neoglyphidodon* Allen 1991 -- (Tang 2001:596 [ref. 25446], Allen 2001:3341 [ref. 26132], Allen et al. 2006:1458 [ref. 29090], Kottelat 2013:377 [ref. 32989] as *Neoglyphidodon*, Fricke et al. 2018:269 [ref. 35805]). **Current status:** Valid as *Neoglyphidodon* Allen 1991. Pomacentridae.

Valenciennes

:

Buenia Iljin [B. S.] 1930:51 [ref. 2297]. Fem. *Gobius affinis* **Kolombatovic** 1891.

Type by original designation. Apparently based on a misidentified type species; not *Gobius affinis* Kolombatovic but *affinis* sensu Sanzo 1911. •Valid as *Buenia* Iljin 1930 -- (Miller 1973:491 [ref. 6888] with type as *affinis* Iljin 1930, Miller in Whitehead et al. 1986:1026 [ref. 13677], McKay & Miller 1997:1457 [ref. 24951], Thacker 2011:130 [ref. 31731], Kovačić & Patzner 2011:185 [ref. 31737], Kovačić et al. 2017:447 [ref. 35242], Kovačić et al. 2018:267 [ref. 35846]). **Current status:** Valid as *Buenia* Iljin 1930. Gobiidae: Gobiinae.

Kolombatović

Corcyrogobius Miller [P. J.] 1972:395 [ref. 3011]. Masc. *Gobius liechtensteini* **Kolombatović** 1891. Type by original designation (also monotypic). Appeared first in Miller 1971:264 as name only. •Valid as *Corcyrogobius* Miller 1972 -- (Miller 1973:493 [ref. 6888], Miller in Whitehead et al. 1986:1030 [ref. 13677], Scsepka & Ahnelt 1999:78 [ref. 23868], Hoese & Larson 2010:374 [ref. 31045], Thacker 2011:130 [ref. 31731], Kovačić & Patzner 2011:185 [ref. 31737], Schliwen 2011:215 [ref. 31738] in Gobiidae, Kovačić et al. 2012:438 [ref. 32861]). **Current status:** Valid as *Corcyrogobius* Miller 1972. Gobiidae: Gobiinae.

Kolombatović

:

Millerigobius Bath [H.] 1973:304 [ref. 207]. Masc. *Gobius macrocephalus* **Kolombatović** 1891. Type by original designation (also monotypic). •Valid as *Millerigobius* Bath 1973 -- (Miller in Whitehead et al. 1986:1055 [ref. 13677], Bogorodsky et al. 2010:217 [ref. 31978], Thacker 2011:131 [ref. 31731], Kovačić & Patzner 2011:187 [ref. 31737], Kovačić et al. 2012:440 [ref. 32861], Parin et al. 2014:492 [ref. 33547]). **Current status:** Valid as *Millerigobius* Bath 1973. Gobiidae: Gobiinae.

Kolombatović

:

Gobiopsis Steindachner [F.] 1861:291 [ref. 4205]. Fem. *Gobius macrostomus* **Steindachner** 1861. Type by monotypy. •Valid as *Gobiopsis* Steindachner 1861 -- (Lachner & McKinney 1978 [ref. 6603], Lachner & McKinney 1979 [ref. 7018], Akihito in Masuda et al. 1984:267 [ref. 6441], Hoese 1986:791 [ref. 5670], Birdsong et al. 1988:193 [ref. 7303], Kottelat 1989:19 [ref. 13605], Wu in Pan et al. 1991:486 [ref. 23876], Gill 1994:59 [ref. 23557], Larson & Murdy 2001:3583 [ref. 26293], Aatur Rahman 2003:326 [ref. 31338], Hoese & Larson 2006:1658 [ref. 29097], Shibukawa 2010:97 [ref. 30809], Thacker 2011:130 [ref. 31731], Larson 2011:238 [ref. 31740], Delventhal & Mooi 2014:571 [ref. 33168], Kottelat 2013:409 [ref. 32989], Hoese 2015:1580 [ref. 34304], Prokofiev 2016:618 [ref. 34849]). **Current status:** Valid as *Gobiopsis* Steindachner 1861. Gobiidae: Gobiinae.

Heckel

:

Archocentrus (subgenus of *Heros*) Gill [T. N.] in Gill & Bransford 1877:186 [ref. 1714]. Masc. *Heros centrarchus* **Gill & Bransford** 1877. Type by monotypy. •Valid as *Archocentrus* Gill 1877 -- (Allgayer 1994:7 [ref. 21370], Loiselle 1997:3 [ref. 23115], Farias et al. 1998:502 [ref. 23856], Burgess 2000:52 [ref. 24818], Allgayer 2001:13 [ref. 26904], Kullander in Reis et al. 2003:616 [ref. 27061], Schmitter-Soto 2007:10 [ref. 29310], Schmitter-Soto 2007:3 [ref. 29317], Chakrabarty 2007:23 [ref. 29359], Říčan et al. 2008:952 [ref. 31419], Minckley & Marsh 2009:263 [ref. 31114], Říčan et al. 2016:36 [ref. 34357]). **Current status:** Valid as *Archocentrus* Gill 1877. Cichlidae: Cichlinae.

Gill

:

Hypophthalmus Cuvier [G.] 1829:293 [ref. 995]. Masc. *Hypophthalmus edentatus* **Agassiz** 1829. Type by subsequent designation. Type designated by Bleeker 1862:15 [ref. 393]. Cuvier's *Hypophthalmus* predates Agassiz's treatment (see Kottelat 1988:78 [ref. 13380]). •Valid as *Hypophthalmus* Cuvier 1829 -- (Kottelat 1988:78 [ref. 13380], Ferraris 2003:856 [ref. 26999], Lundberg & Littmann in Reis et al. 2003:436 [ref. 27061], Ferraris 2007:333 [ref. 29155], Littmann et al. 2015:161 [ref. 33933]). **Current status:** Valid as *Hypophthalmus* Cuvier 1829. Pimelodidae.

Spix & Agassiz

:

Brockius (subgenus of *Labrisomus*) Hubbs [Clark L.] 1953:120 [ref. 2253]. Masc. *Labrisomus (Brockius) striatus* **Clark Hubbs** 1953. Type by original designation (also monotypic). •Synonym of *Labrisomus* Swainson 1839 -- (Springer 1959:422 [ref. 10210]). •Valid as *Brockius* Hubbs 1953 -- (Lin & Hastings 2013:12 [ref. 33286]). **Current status:** Valid as *Brockius* Hubbs 1953. Labrisomidae.

Hubbs

:

Leiopsis Anonymous [Bennett [E. T.]] 1830:688 [ref. 259]. Fem. *Leiopsis rafflesii* **Bennett** 1830. Type by monotypy. On Code recommendation 51D, the anonymous author is listed in square brackets. •Synonym of *Pentapodus* Quoy & Gaimard 1824. **Current status:** Synonym of *Pentapodus* Quoy & Gaimard 1824. Nemipteridae. **Leiopsis** Anonymous [Bennett [E. T.]] 1830:688 [ref. 259]. Fem. *Leiopsis rafflesii* Bennett 1830. Type by monotypy. On Code recommendation 51D, the anonymous author is listed in square brackets. •Synonym of *Pentapodus* Quoy & Gaimard 1824. **Current status:** Synonym of *Pentapodus* Quoy & Gaimard 1824. Nemipteridae.

Anonymous [Bennett]

:

Longanalus Li [W.-X.] in Li, Ran & Chen 2006:1 [ref. 29057]. Masc. *Longanalus macrochirous* **Li** 2006. Type by original designation (also monotypic). •Valid as *Longanalus* Li 2006 -- (Zhang et al. 2016:112 [ref. 34477]). **Current status:** Valid as *Longanalus* Li 2006. Cyprinidae: Labeoninae.

Li, Ran & Chen

:

Lophiobrycon Castro [R. M. C.], Ribeiro [A. C.], Benine [R. C.] & Melo [A. L. A.] 2003:13 [ref. 27319]. *Lophiobrycon weitzmani* Castro, Ribeiro, **Benin** & Melo 2003. Type by original designation (also monotypic). •Valid as *Lophiobrycon* Castro, Ribeiro, Benine & Melo 2003 -- (Menezes et al. 2008:33 [ref. 31161], Menezes & Weitzman 2009:305 [ref. 30495] in Glandulocaudinae, Mirande 2010:533 [ref. 31006] in Stevardiinae, Thomaz et al. 2010:1350 [ref. 31210], Oliveira et al. 2011:16 [ref. 31685], Thomaz et al. 2015:8 [ref. 33893] Stevardiinae, tribe Glandulocaudini). **Current status:** Valid as *Lophiobrycon* Castro, Ribeiro, Benine & Melo 2003. Characidae: Stevardiinae.

Benine

:

Phrynelox Whitley [G. P.] 1931:328 [ref. 4672]. Masc. *Lophius striatus* **Shaw & Nodder** 1794. Type by original designation (also monotypic). •Valid as *Phrynelox* Whitley 1931 -- (Araga in Masuda et al. 1984:102 [ref. 6441]). •Synonym of *Antennarius* Daudin 1816 -- (Pietsch 1984:33 [ref. 5380], Pietsch in Whitehead et al. 1986:1364 [ref. 13677], Lindberg et al. 1997:214 [ref. 23547], Castellanos-Galindo et al. 2006:206 [ref. 28944], Kottelat 2013:274 [ref. 32989]). **Current status:** Synonym of *Antennarius* Daudin 1816. Antennariidae.

Shaw

:

Fonchiichthys Isbrücker [I. J. H.] & Michels [J. P.] in Isbrücker et al. 2001:18 [ref. 25649]. *Loricaria uracantha* **Kner & Steindachner** 1863. Type by original designation. •Synonym of *Rineloricaria* Bleeker 1862 -- (Ferraris in Reis et al. 2003:341 [ref. 27061], Covain & Fisch-Muller 2007:36 [ref. 29329], Covain et al. 2015:513 [22] [ref. 34066]). •Valid as *Fonchiichthys* Isbrücker & Michels 2001 -- (Isbrücker 2002:16 [ref. 27178], Ferraris 2007:240 [ref. 29155], Rodriguez & Miquelarena 2008:1636 [ref. 29906]). **Current status:** Synonym of *Rineloricaria* Bleeker 1862. Loricariidae: Loricariinae.

Kner

:

Majungaichthys Schwarzhans [W.] & Møller [P. R.] 2007:75 [ref. [31834](#)].
Masc. *Majungaichthys simplex* **Schwarzhen** & Møller 2007. Type by original designation (also monotypic). •Valid as *Majungaichthys* Schwarzhans & Møller 2007 -- (Carnevale & Johnson 2015:779 [ref. [34391](#)], Møller et al. 2016:Appendix B [ref. [34432](#)] in Dinematichthyidae, Fricke et al. 2018:86 [ref. [35805](#)] as *Mahajangaichthys*). **Current status:** Valid as *Majungaichthys* Schwarzhans & Møller 2007. Dinematichthyidae.

Schwarzhans

:

Mbipia Lippitsch [E.] & Seehausen [O.] in Seehausen et al. 1998:170 [ref. [23435](#)]. *Mbipia mbipi* **Seehausen, Lippitsch & Bouton** in Seehausen et al. 1998. Type by original designation. Also appeared in Seehausen 1999:112 [ref. [30987](#)]. •Valid as *Mbipia* Lippitsch & Seehausen 1998. **Current status:** Valid as *Mbipia* Lippitsch & Seehausen 1998. Cichlidae: Pseudocrenilabrinae.

Lippitsch & Bouton

:

Lovamia Whitley [G. P.] 1930:10 [ref. [4671](#)]. Fem. *Mullus fasciatus* **White** 1790. Type by original designation. •Synonym of *Apogon* Lacepède 1801 -- (Fraser 1972:17 [ref. [5195](#)]). •Synonym of *Ostorhinchus* Lacepède 1802 -- (Kottelat 2013:330 [ref. [32989](#)]). **Current status:** Synonym of *Ostorhinchus* Lacepède 1802. Apogonidae: Apogoninae.

Shaw

:

Mylocheilus Agassiz [L.] 1855:229 [ref. [5839](#)]. Masc. *Mylocheilus lateralis* Agassiz & **Pickford** 1855. Type by original designation ("new generic type") or by monotypy. •Valid as *Mylocheilus* Agassiz 1855 -- (Gilbert 1998:18 [ref. [23395](#)], Simons & Mayden 1999:18 [ref. [23700](#)]). **Current status:** Valid as *Mylocheilus* Agassiz 1855. Cyprinidae: Leuciscinae.

Pickering

:

Myxocephalus Steindachner [F.] & Döderlein [L.] 1887:148 [ref. [20491](#)]. Masc. *Myxocephalus japonicus* **Steindachner** 1887. Type by monotypy. Also appeared as new in Steindachner & Döderlein 1887:281 [ref. [4249](#)]. •Synonym of *Diplacanthopoma* Günther 1887 -- (Cohen & Nielsen 1978:47 [ref. [881](#)], Nielsen & Cohen in Nielsen et al. 1999:96 [ref. [24448](#)], Møller et al. 2016:Appendix A [ref. [34432](#)] in Bythitidae). **Current status:** Synonym of *Diplacanthopoma* Günther 1887. Bythitidae.

Steindachner & Döderlein

:

Pseudoqolus Lujan [N. K.], Cramer [C. A.], Covain [R.], Fisch-Muller [S.] & López-Fernández [H.] 2017:333 [12] [ref. [35031](#)]. Masc. *Panaqolus koko* Fisch-**Müller** & Covain 2012. Type by original designation (also monotypic). •Valid as *Pseudoqolus* Lujan, Cramer, Covain, Fisch-Muller & López-Fernández 2017. **Current status:** Valid as *Pseudoqolus* Lujan, Cramer, Covain, Fisch-Muller & López-Fernández 2017. Loricariidae: Hypostominae. **Muller**

:

Nahangbagrus Nguyen [V. H.] & Vo [V. H.] 2005:550 [ref. [29730](#)]. Masc. *Nahangbagrus songamensis* **Nguyen & Binh** 2005. Type by original designation (also monotypic). •Valid as *Nahangbagrus* Nguyen & Vo 2005 -- (Wright & Ng 2008:37 [ref. [29729](#)], Ng & Wright 2009:369 [ref. [30203](#)], Ng & Wright 2010:50 [ref. [31035](#)], Kottelat 2013:217 [ref. [32989](#)]). **Current status:** Valid as *Nahangbagrus* Nguyen & Vo 2005. Amblycipitidae.

Nguyen & Vo

:

Nectarges Myers [G. S.] & Wade [C. B.] 1942:126 [ref. 3134]. Masc. *Nectarges nepenthe* **Myers** 1942. Type by original designation. •Valid as *Nectarges* Myers & Wade 1942 -- (Pequeño 1989:51 [ref. 14125]). •Synonym of *Atherinella* Steindachner 1875 -- (Chernoff 1986:240 [ref. 5847], Castro-Aguirre et al. 1999:193 [ref. 24550], Dyer 2000:104 [ref. 26677], Dyer in Reis et al. 2003:515 [ref. 27061]). **Current status:** Synonym of *Atherinella* Steindachner 1875. Atherinopsidae: Menidiinae.

Myers & Wade

:

ebastosemus Gill [T. N.] 1905:220 [ref. 1788]. Masc. *Neosebastes entaxis* **Jordan & Snyder** 1904. Type by original designation (also monotypic). •Synonym of *Neosebastes* Guichenot 1867 -- (Mandrytsa 2001:259 [ref. 25636], Motomura 2004:4 [ref. 28085]). **Current status:** Synonym of *Neosebastes* Guichenot 1867. Neosebastidae.

Jordan & Starks

:

Coregonoides Richardson [J.] 1843:426 [ref. 13395]. Masc. *Odax vittatus* **Richardson** 1843. Appeared as Solander manuscript name and quoted description published in synonymy of *Odax*; technically a name published in synonymy. Apparently never made available. •In the synonymy of *Odax Valenciennes* 1840 -- (Gomon & Paxton 1986:31 [ref. 5656]). **Current status:** Synonym of *Odax Valenciennes* 1840. Odacidae.

Richardson & Solander

:

Indoreonectes (subgenus of *Oreonectes*) Rita [S. D.] & Bănărescu [P. M.] in Rita, Bănărescu & Nalbant 1978:185 [ref. 3758]. Masc. *Oreonectes (Indoreonectes) keralensis* **Rita, Bănărescu & Nalbant** 1978. Type by original designation (also monotypic). •Synonym of *Noemacheilus* Kuhl & van Hasselt 1823, but a valid subgenus *Indoreonectes* as described -- (Menon 1987:190 [ref. 14149]). •Synonym of *Oreonectes* Günther 1868, but a valid subgenus *Indoreonectes* as described -- (Bănărescu & Nalbant 1995:454 [ref. 23187]). •Valid as *Indoreonectes* Rita & Bănărescu 1978 -- (Kottelat 1990:19 [ref. 14137], Proudlove 2006:102 [ref. 28992], Prokofiev 2010:889 [ref. 31096], Freyhof et al. 2016:75 [ref. 34414], Prokofiev 2017:135 [ref. 35630]). **Current status:** Valid as *Indoreonectes* Rita & Bănărescu 1978. Nemacheilidae.

Rita & Nalbant

:

Oonidus Rafinesque [C. S.] 1815:90 [ref. 3584]. Masc. *Ovoides fasciatus* **Anonymous** 1798 Type by subsequent designation. As "*Oonidus* R. [Rafinesque] *Ovoide* Lac. [Lacepède]." Proposed as a replacement name but not for an available name; would apparently have to stand on its own with species subsequently added. *Ovoides* Cuvier 1800 is an earlier validation of "Les Ovoides" Lacepède. Kottelat (2013) selects *Ovoides fasciatus* Anonymous 1798 as type. •Junior objective homonym of *Ovoides* Anonymous 1798 -- (Kottelat 2013:470 [ref. 32989]). Tetraodontidae.

Anonymous [Lacepède]

:

Paedocypris Kottelat [M.], Britz [R.], Tan [H. H.] & Witte [K.-E.] 2006:895 [ref. 28448]. *Paedocypris progenetica* Kottelat, Britz, **Hui** & Witte 2006. Type by original designation. •Valid as *Paedocypris* Kottelat, Britz, Tan & Witte 2006 -- (Rüber et al. 2007:[1] [ref. 29112], Britz & Kottelat 2008:415 [ref. 29781], Tang et al. 2010:202 [ref. 31204], Liao et al. 2011:33 [ref. 31306], Conway et al. 2011:284 [ref. 31697], Kottelat 2013:137 [ref. 32989], Britz et al. 2014:556 [ref. 35438] not a member of Cypriniformes). **Current status:** Valid as *Paedocypris* Kottelat, Britz, Tan & Witte 2006. Cyprinidae: Paedocypridinae.

Tan

Parabotia Dabry de Thiersant [P.] (ex Guichenot) 1872:191 [ref. [12507](#)].

Masc. *Parabotia fasciatus* **Guichenot** 1872. Type by monotypy. See Kottalat (2013:174, ref. 32989) for gender of genus. •Valid as *Parabotia* Dabry de Thiersant 1872 -- (Ye in Pan et al. 1991:245 [ref. [23876](#)], Nalbant 2002:316 [ref. [27361](#)] with Guichenot as author, Kottalat 2004:15 [ref. [27360](#)], Yang & Chen 2004:8 [ref. [27629](#)], Yang & Chen 2004:173 [ref. [27902](#)], Nalbant 2002:316 [ref. [27361](#)], Bogutskaya & Naseka 2004:106 [ref. [28183](#)], Tang et al. 2008:8 [ref. [29536](#)], Watanabe et al. 2009:421 [ref. [30549](#)], Zhu & Zhu 2012:447 [ref. [32194](#)], Kottalat 2012:18 [ref. [32367](#)], Kottalat 2013:174 [ref. [32989](#)], Parin et al. 2014:102 [ref. [33547](#)] with author as Guichenot, Zhang et al. 2016:156 [ref. [34477](#)], Bohlen et al. 2016:17 [ref. [34628](#)] in Leptobotiinae, Dyldin & Orlov 2016:667 [ref. [34853](#)]). **Current status:** Valid as *Parabotia* Dabry de Thiersant 1872. Botiidae: Leptobotiinae.

Dabry de Thiersant – See species record

:

Vadesuma Whitley [G. P.] 1933:94 [ref. [4677](#)]. Fem. *Paracentropogon scorpio* **Whitley** 1910. Type by original designation (also monotypic). Treated as feminine, Art. 30.3. •Synonym of *Cottapistus* Bleeker 1876 -- (Mandrytsa 2001:262 [ref. [25636](#)]). **Current status:** Synonym of *Cottapistus* Bleeker 1876. Tetrarogidae.

Ogilby

:

Quinquarius Jordan [D. S.] 1907:236, 238 [ref. [2401](#)]. Masc. *Pentaceros japonicus* **Döderlein** 1883. Type by original designation. Technically not proposed as a replacement for *Pentaceros* Cuvier 1829 although its preoccupation was noted by Jordan; described as a new genus with stated type as *Pentaceros japonicus* and with *capensis* included (p. 236). •Synonym of *Pentaceros* Cuvier 1829 -- (Hardy 1983:197 [ref. [5385](#)]). **Current status:** Synonym of *Pentaceros* Cuvier 1829. Pentacerotidae: Pentacerotinae.

Steindachner

:

Pimelodon Lesueur [C. A.] in Vaillant 1896:28 [ref. [13482](#)]. Masc. *Pimelodon insignarius* **Vaillant** 1896. Type by monotypy. Appeared first in Lesueur 1819:155 [ref. [12589](#)], but that regarded as probably a vernacular and nonbinomial; made available as above according to Taylor 1969:20 [ref. [6555](#)]. •Synonym of *Noturus* Rafinesque 1818 -- (Taylor 1969:20 [ref. [6555](#)], Gilbert 1998:22 [ref. [23395](#)], Ferraris 2007:211 [ref. [29155](#)]). **Current status:** Synonym of *Noturus* Rafinesque 1818. Ictaluridae.

Lesueur

:

Pseudocallophysus Bleeker [P.] 1862:12 [ref. [393](#)]. Masc. *Pimelodus ctenodus* **Agassiz** 1829. Type by original designation (also monotypic). Also appeared as name only in Bleeker 1862:393 [ref. [391](#)]. •Synonym of *Calophysus* Müller & Troschel 1843 -- (Lundberg & Littmann in Reis et al. 2003:435 [ref. [27061](#)], Ferraris 2007:332 [ref. [29155](#)]). **Current status:** Synonym of *Calophysus* Müller & Troschel 1843. Pimelodidae.

Spix & Agassiz

:

Pinnichthys Van Tassell [J. L.], Tornabene [L.] & Gilmore [R. G.] in Tornabene, Van Tassell, Gilmore, Robertson, Young & Baldwin 2016:17 [ref. [34435](#)]. Masc. *Pinnichthys aimoriensis* **Van Tassell, Tornabene & Gilmore** 2016. Type by original designation. •Valid as *Pinnichthys* Van Tassell, Tornabene & Gilmore 2016. **Current status:** Valid as *Pinnichthys* Van Tassell, Tornabene & Gilmore 2016. Gobiidae: Gobiinae.

Van Tassell & Tornabene

Platyptera Cuvier [G.] (ex Kuhl & van Hasselt) 1829:248 [ref. 995]. Fem. *Platyptera aspro* **Cuvier** 1837. Type by subsequent monotypy. *P. melanocephala* and *P. trigonocephala* mentioned with original description, but both were name only and unavailable [never made available]. First available species added by Cuvier in Cuvier & Valenciennes 1837:321 as above. Objectively invalid; preoccupied by *Platyptera* Meigen 1803 in Diptera, replaced by *Rhyacichthys* Boulenger 1901. •In the synonymy of *Rhyacichthys* Boulenger 1901 -- (Larson 2011:52 [ref. 31724], Kottelat 2013:386 [ref. 32989]). •Nomen Nudum in Balitoridae -- (Kottelat 2012:44 [ref. 32367]). **Current status:** Synonym of *Rhyacichthys* Boulenger 1901. Rhyacichthyidae.

Valenciennes

:

Pleurolepis Putnam [F. W.] (ex Agassiz) 1863:5 [ref. 3567]. Fem. *Pleurolepis pellucidus* **Agassiz** 1863. Type by monotypy. Objectively invalid; preoccupied by *Pleurolepis* Quenstedt 1852 in fossil fishes, replaced by *Vigil* Jordan 1919. •In the synonymy of *Ammocrypta* Jordan 1877, subgenus *Ammocrypta* -- (Collette & Bănărescu 1977:1455 [ref. 5845]). **Current status:** Synonym of *Ammocrypta* Jordan 1877. Percidae: Etheostomatinae.

Putnam

:

Eupomacentrus Bleeker [P.] 1877:73 [ref. 454]. Masc. *Pomacentrus lividus* **Bloch & Schneider** 1801. Type by monotypy in subgenus. Also appeared in Bleeker 1877:40 [ref. 453]. •Synonym of *Pomacentrus* Lacepède 1802 -- (Robins et al. 1980:48, 87 [ref. 7111]). •Synonym of *Stegastes* Jenyns 1840 -- (Shen & Chan 1978:220 [ref. 6945], Emery & Allen 1980 [ref. 6917], Allen & Emery 1985:8 [ref. 5236], Castro-Aguirre et al. 1999:394 [ref. 24550]). **Current status:** Synonym of *Stegastes* Jenyns 1840. Pomacentridae.

Probably Forster

:

Pristiopsis (subgenus of *Pristis*) Fowler [H. W.] 1905:459 [ref. 1370]. Fem. *Pristis perotteti* **Valenciennes** 1841. Type by original designation (also monotypic). •Synonym of *Pristis* Linck 1790 -- (Krefft & Stehmann 1973:51 [ref. 7167], Daget 1984:3 [ref. 6170], Cappetta 1987:158 [ref. 6348], Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061], Kottelat 2013:23 [ref. 32989]). **Current status:** Synonym of *Pristis* Linck 1790. Pristidae.

Müller & Henle

:

Pacu Cuvier [G.] 1829:309 [ref. 995]. Masc. *Prochilodus argenteus* **Agassiz** 1829. Type by subsequent designation. Regarded by Kottelat 1988:82 [ref. 13380] as available from Cuvier 1829. However, *Pacu* Cuvier must be regarded as a name published in the synonymy of *Prochilodus*, and *Pacu* Cuvier [not *Pacu* Agassiz] apparently was not used as an available valid name or senior homonym before 1961 and is therefore unavailable. There were no originally-included species for *Pacu* Cuvier; earliest subsequent designation apparently Eigenmann & Eigenmann 1910:424. **Current status:** Synonym of *Prochilodus* Agassiz 1829. Prochilodontidae.

Spix & Agassiz

:

:

Micromoema Costa [W. J. E. M.] 1998:78 [ref. 23792]. Fem. *Pterolebias xiphophorus* **Tomerson** & Taphorn 1992. Type by original designation (also monotypic). •Valid as *Micromoema* Costa 1998 -- (Lazara 2001:207 [ref. 25711], Costa in Reis et al. 2003:531 [ref. 27061], Costa 2004:2 [ref. 27874], Costa 2005:24 [ref. 28393], Huber 2005:15 [ref. 28394], Costa 2014:177 [ref. 35439]). **Current status:** Valid as *Micromoema* Costa 1998. Cynolebiidae.

Thomerson

Protocobitis Yang [J.-X.] & Chen [Y.-R.] 1993:125 [ref. 23234]. *Protocobitis typhlops* **Yang, Chen & Lan** in Yang & Chen 1993. Type by monotypy. Appeared as above first (unintentionally); see Kottelat & Bréhier 1999:356 [ref. 24929]. Also appeared in Yang, Chen & Lan 1994:92 [ref. 21377]. •Valid as *Protocobitis* Yang & Chen 1993 -- (Kottelat & Bréhier 1999:356 [ref. 24929], Proudlove 2006:107 [ref. 28992], Chen & Chen 2007:111 [ref. 29350], Zhu et al. 2008:452 [ref. 29758], Romero et al. 2009 [ref. 30522], Zhao et al. 2011:1554 [ref. 31493], Kottelat 2012:41 [ref. 32367], Ma & Zhao 2012:110 [ref. 34891], Lan et al. 2013:145 [ref. 32910], Zhang et al. 2016:153 [ref. 34477]). **Current status:** Valid as *Protocobitis* Yang & Chen 1993. Cobitidae.

Yang & Chen

:

Pteronemacheilus Bohlen [J.] & Šlechtová [V.] 2011:5 [ref. 31362].

Masc. *Pteronemacheilus lucidorsum* Bohlen & **Šlechtová** 2011. Type by original designation. •Valid as *Pteronemacheilus* Bohlen & Šlechtová 2011 -- (Kottelat et al. 2012:103 [ref. 32367], Kottelat 2013:203 [ref. 32989], Prokofiev 2017:137 [ref. 35630]). **Current status:** Valid as *Pteronemacheilus* Bohlen & Šlechtová 2011. Nemacheilidae.

Šlechtová

:

striatus, Qianlabeo Zhang [E.] & Chen [Y.-Y.] 2004:27, Figs. 1-2 [Hydrobiologia No. 527 (no. 1); ref. 27930] Tributary to Beipan Jiang of upper Zhu Jiang (Pearl River) drainage in Matou, Anshun County, Guizhou Province, China. Holotype: IHASW 800858. Paratypes: IHASW 800933 (1), 800879 (1), 8000892 [?800892] (1), 800917 (1). •Valid as *Qianlabeo striatus* Zhang & Chen 2004 -- (Yuan et al. 2008:47 [ref. 29667], Zhang et al. 2016:115 [ref. 34477]). **Current status:** Valid as *Qianlabeo striatus* Zhang & Chen 2004. Cyprinidae: Labeoninae. Distribution: Upper Zhu Jiang (Pearl River) drainage, Guizhou Province, China. Habitat: freshwater.

Zhang [E]

:

Platipornax (subgenus of *Rhinobatos*) Whitley [G. P.] 1939:244 [ref. 4695]. Masc. *Raja thouin* **Anonymous** 1798. Type by monotypy. Treated as masculine, Art. 30.2.4. •Synonym of *Rhinobatos* Linck 1790, but a valid subgenus *Platipornax* as described -- (Compagno 1999:485 [ref. 25589], as *Platypornax*). **Current status:** Synonym of *Rhinobatos* Linck 1790. Rhinobatidae.

Anonymous [Lacepède]

:

Regania Jordan [D. S.] in Jordan & Starks 1904:602, 604 [ref. 2526]. Fem. *Regania nipponica* **Jordan** 1904. Type by original designation (also monotypic). •Synonym of *Bathygadus* Günther 1878 -- (Marshall 1973:288 [ref. 7194], Marshall & Iwamoto 1973:525 [ref. 6963], Howes & Crimmen 1990:186 [ref. 15692], Iwamoto in Cohen et al. 1990:93 [ref. 18936], Iwamoto & Merrett 1997:478 [ref. 23710]). **Current status:** Synonym of *Bathygadus* Günther 1878. Macrouridae: Bathygadinae.

Jordan & Gilbert

:

Rhaphiodontichthys Amaral Campos [A.] 1945:473 [ref. 106]. Masc. *Rhaphiodon vulpinus* **Agassiz** 1829. Type by original designation (also monotypic). Misspelled *Rhaphiodontichthys* by Neave in Zoological Record for 1950. •Synonym of *Rhaphiodon* Agassiz 1829 -- (Géry 1977:302 [ref. 1597] based on placement of type species, Taphorn 1992:436 [ref. 23654], Toledo-Piza 2000:69 [ref. 24268], Toledo-Piza in Reis et al. 2003:235 [ref. 27061]). **Current status:** Synonym of *Rhaphiodon* Agassiz 1829. Cynodontidae.

Spix & Agassiz

:

Acroteriobatus (subgenus of *Rhinobatus*) Giltay [L.] 1928:26 [ref. 5065].

Masc. *Rhinobatus* (*Syrrhina*) *annulatus* **Müller & Henle** 1841. Type by subsequent designation. Type apparently designated first by Fowler 1969:141 [ref. 6832]. •Synonym of *Rhinobatos* Linck 1790, but a valid subgenus *Acroteriobatus* as described -- (Compagno 1999:485 [ref. 25589]). •Valid as *Acroteriobatus* Giltay 1928 -- (Weigmann 2016:84 [ref. 34211], Last et al. 2016:465 [ref. 34473] in Rhinobatidae, Last et al. 2016:276 [ref. 34741], Séret et al. 2016:78 [ref. 34993], Ebert & Gon 2017:204 [ref. 35352], Fricke et al. 2018:23 [ref. 35805]). **Current status:** Valid as *Acroteriobatus* Giltay 1928. Rhinobatidae.

Smith

:

Aptychotrema Norman [J. R.] 1926:977 [ref. 3215]. Neut. *Rhinobatus* (*Syrrhina*) *bougainvillii* **Müller & Henle** 1841. Type by subsequent designation. Earliest subsequent type designation not researched; possibly first designated by Sére and McEachran 1986:5 [ref. 9312]. •Valid as *Aptychotrema* Norman 1926 -- (Paxton et al. 1989:52 [ref. 12442], Gomon et al. 1994:169 [ref. 22532], Compagno & Last 1999:1425 [ref. 24637], Compagno 1999:485 [ref. 25589], Last 2004:204 [ref. 27765], Paxton et al. 2006:177 [ref. 28994], Gomon 2008:104 [ref. 30616], Last et al. 2016:464 [ref. 34473] in Trygonorrhinidae, Last & Séret 2016:118 [ref. 34994]). **Current status:** Valid as *Aptychotrema* Norman 1926. Trygonorrhinidae.

Valenciennes

:

Micromesus Gill [T. N.] 1865:136 [ref. 1712]. Masc. *Rhinoptera adspersa* **Müller & Henle** 1841. Type by original designation (also monotypic). •Synonym of *Rhinoptera* Cuvier 1829 -- (Cappetta 1987:173 [ref. 6348]). **Current status:** Synonym of *Rhinoptera* Cuvier 1829. Rhinopteridae.

Valenciennes

:

Mylorhina Gill [T. N.] 1865:136 [ref. 1712]. Fem. *Rhinoptera lalandii* **Müller & Henle** 1841. Type by original designation (also monotypic). •Synonym of *Rhinoptera* Cuvier 1829 -- (Cappetta 1987:173 [ref. 6348]). **Current status:** Synonym of *Rhinoptera* Cuvier 1829. Rhinopteridae.

Valenciennes

:

Atelomycterus Garman [S.] 1913:100 [ref. 1545]. Masc. *Scyllium marmoratum* **Bennett** 1830. Type by monotypy. •Valid as *Atelomycterus* Garman 1913 -- (Springer 1979:32 [ref. 4175], Compagno 1984:292 [ref. 6846], Compagno 1988:100 [ref. 13488], Paxton et al. 1989:72 [ref. 12442], Compagno & Stevens 1993 [ref. 20842], Compagno 1999:479 [ref. 25589], Bor et al. 2003:325 [ref. 27423], White et al. 2005:34 [ref. 28145], Compagno et al. 2005:24 [ref. 29145], Hoese et al. 2006:84 [ref. 28999], Jacobsen & Bennett 2007:24 [ref. 29180], Fahmi & White 2015:14 [ref. 33700]). **Current status:** Valid as *Atelomycterus* Garman 1913. Scyliorhinidae.

Anonymous [Bennett]

:

Deltascyllium (subgenus of *Scyllium*) Leigh-Sharpe [W. H.] 1926:330 [ref. 5627]. Neut. *Scyllium marmoratum* **Bennett** 1830. Type by original designation. As a "pseudogenus" of *Scyllium*. Not available [Art. 1.3.5], used as an artificial category (see Leigh-Sharpe 1928 [ref. 6152]). •In the synonymy of *Atelomycterus* Garman 1913 -- (Compagno 1984:292 [ref. 6846], Compagno 1988:100 [ref. 13488]). **Current status:** Synonym of *Atelomycterus* Garman 1913. Scyliorhinidae.

Anonymous [Bennett]

:

Regania Jordan [D. S.] in Jordan & Starks 1904:602, 604 [ref. 2526]. Fem. *Regania nipponica* **Jordan** 1904. Type by original designation (also monotypic). •Synonym of *Bathygadus* Günther 1878 -- (Marshall 1973:288 [ref. 7194], Marshall & Iwamoto 1973:525 [ref. 6963], Howes & Crimmen 1990:186 [ref. 15692], Iwamoto in Cohen et al. 1990:93 [ref. 18936], Iwamoto & Merrett 1997:478 [ref. 23710]). **Current status:** Synonym of *Bathygadus* Günther 1878. Macrouridae: Bathygadinae.

Jordan & Gilbert

:

Amphiscarus Swainson [W.] 1839:172, 227 [ref. 4303]. Masc. *Siganus fuscus* **Griffith** 1834. Type by monotypy. [Footnote given by Swainson 1839:227 [ref. 4303] does not apply to *Amphiscarus*]. •Synonym of *Siganus* Forsskål 1775 -- (Woodland 1990:17 [ref. 19220], Kottelat 2013:440 [ref. 32989]). **Current status:** Synonym of *Siganus* Forsskål 1775. Siganidae.

Griffith & Smith

:

Siganus Forsskål [P. S.] 1775:x, 25 [ref. 1351]. Masc. *Siganus rivulatus* **Forsskål** 1775. Type by subsequent designation. Type species by subsequent designation of Gilbert 1882:938. See Kottelat 2013:114 [ref. 32995]. •Valid as *Siganus* Forsskål 1775 - (Tortonese 1973:456 [ref. 7192], Lindberg & Krasnyukova 1975:232 [ref. 7348], Leis & Richards 1984:548 [ref. 13669], Kishimoto in Masuda et al. 1984:232 [ref. 6441], Ben-Tuvia in Whitehead et al. 1986:964 [ref. 13676], Woodland 1986:824 [ref. 6299], see Tyler et al. 1989:37 [ref. 13460], Woodland 1990:16 [ref. 19220], Blot & Tyler 1990:38 [ref. 19415], Jin in Pan et al. 1991:504 [ref. 23876], Allen 1991:204 [ref. 21090], Woodland 2001:3628 [ref. 26300], Randall & Kulbicki 2005:185 [ref. 28257], Allen et al. 2006:1723 [ref. 29090], Itou et al. 2011:161 [ref. 32397], Woodland & Anderson 2014:129 [ref. 33339], Kottelat 2013:439 [ref. 32989], Motomura et al. 2017:202 [ref. 35490], Fricke et al. 2018:348 [ref. 35805]). **Current status:** Valid as *Siganus* Forsskål 1775. Siganidae.

Forsskål & Niebuhr

:

Sinilabeo Rendahl [H.] 1933:81 [ref. 3703]. Masc. *Sinilabeo hummeli* **Zheng**, Kullander & Chen 2006. Type by original designation (also monotypic). Based on a misidentified type species according to Chen et al. in Pan et al. 1991:168 [ref. 23876]. Zhang et al. 2006:97 [ref. 28545] fix the type species as *Sinilabeo hummeli* Zhang, Kullander & Chen 2006 on the basis of Art. 70.3; misidentified as *Varicorhinus tungting* Nichols 1925 by Rendahl. •See Bănărescu 1997:27 [ref. 23274]. •Synonym of *Sinilabeo* Hamilton 1822 -- (Liu & Zhou 2009:61 [ref. 30000]). •Valid as *Sinilabeo* Rendahl 1933 -- (Wu et al. 1977:333 [ref. 4807], Chu & Cui in Chu & Chen 1989:252 [ref. 13584], Chen et al. in Pan et al. 1991:168 [ref. 23876], Wu & Wu 1992:290 [ref. 21205], Chen in Chen 1998:173 [ref. 23556], Zhang et al. in Yue et al. 2000:176 [ref. 25272], Zhang et al. 2006:97 [ref. 28545], Zhu et al. 2011:46 [ref. 31305], Zhang et al. 2016:116 [ref. 34477]). **Current status:** Valid as *Sinilabeo* Rendahl 1933. Cyprinidae: Labeoninae.

Zhang

:

Selache Cuvier [G.] 1816:129 [ref. 993]. Fem. *Squalus maximus* **Gunner** 1765. Type by subsequent designation. Type apparently first designated by Bonaparte 1838:9 (of separate) [ref. 4979]. *Selanche* Jarocki 1822 and *Selachus* Minding 1832 evidently are misspellings. •Objective synonym of *Cetorhinus* Blainville 1816 -- (Springer 1973:16 [ref. 7162], Compagno 1984:234 [ref. 6474]). **Current status:** Synonym of *Cetorhinus* Blainville 1816. Cetorhinidae.

Gunnerus

:

Sauronglanis (subgenus of *Centromochlus*) Grant [S.] 2015:3 [ref. 33806]. *Tatia musaica* **Reyero** 1992. Type by original designation. •Synonym of *Tatia* Miranda Ribeiro 1911. **Current status:** Synonym of *Tatia* Miranda Ribeiro 1911. Auchenipteridae: Centromochlinae.

Royero

:

Pao Kottelat [M.] 2013:479, 483 [ref. 32989]. *Tetraodon leiurus* **Beeker** 1850. Type by original designation. •Valid as *Pao* Kottelat 2013 -- (Zhang et al. 2016:210 [ref. 34477]). **Current status:** Valid as *Pao* Kottelat 2013. Tetraodontidae.

Bleeker

:

Disceus Garman [S.] 1877:208 [ref. 1528]. Masc. *Trygon stroylopterus* **Schomburgk** 1843. Type by monotypy. Based on a misidentified type species according to Castex 1964:33 [ref. 20924] and Fowler 1970:571 [ref. 7313], Garman's specimens are *Disceus thayeri* Garman 1913. •Synonym of *Elipesurus* Schomburgk 1843 -- (Fowler 1970:571 [ref. 7313]). •Valid as *Disceus* Garman 1877 -- (Castex 1964:18 [ref. 20924]). •Synonym of *Paratrygon* Duméril 1865 -- (Rosa 1991:426 [ref. 30634], Carvalho et al. in Reis et al. 2003:25 [ref. 27061], Carvalho & Lovejoy 2011:18 [ref. 31182]). **Current status:** Synonym of *Paratrygon* Duméril 1865. Potamotrygonidae: Potamotrygoninae.

Jardine

:

Vinalabeo Nguyen [V. H.], Nguyen [H. D.] & Nguyen [T. D. P.] 2016:141 [ref. 35165]. Masc. *Varicorhinus tonkinensis* Pellegrin & **Schevey** 1934. Type by original designation. •Valid as *Vinalabeo* Nguyen, Nguyen & Nguyen 2016. •Synonym of *Altigena* Burton 1934 -- (Kottelat 2017:494 [ref. 35262]). **Current status:** Synonym of *Altigena* Burton 1934. Cyprinidae: Labeoninae.

Chevey

:

Istiophorus Lacepède [B. G. E.] 1801:374 [ref. 2710]. Masc. *Xiphias platypterus* **Shaw & Nodder** 1792. Type designated by the ICZN; on Official List (Opinion 903). Unjustifiably emended to *Histiophorus* by Cuvier in Cuvier & Valenciennes 1831:293 [ref. 4881]. •Valid as *Istiophorus* Lacepède 1801 -- (de Sylva 1973:477 [ref. 7210], Lindberg & Krasnyukova 1975:293 [ref. 7348], Nakamura 1983:276 [ref. 5371], Collette et al. 1984:600 [ref. 11421], Nakamura in Masuda et al. 1984:223 [ref. 6441], Nakamura 1985:20 [ref. 20161], Nakamura in Whitehead et al. 1986:1000 [ref. 13676], Heemstra 1986:840 [ref. 5660], Nakamura 2001:3760 [ref. 26306], Fierstine & Monsch 2002:148 [ref. 26597], Nakamura 2003:1861 [ref. 27116], Parin 2003:S27 [ref. 28536], Collette et al. 2006:464 [ref. 28911], Bray et al. 2006:1780 [ref. 29091], Parin et al. 2014:517 [ref. 33547], Roberts 2015:1642 [ref. 34193], Fricke et al. 2018:365 [ref. 35805]). **Current status:** Valid as *Istiophorus* Lacepède 1801. Istiophoridae.

Shaw

:

Gnathocentrum Guichenot [A.] 1867:13 [5] [ref. 1945]. Neut. *Zanclus centrognathos* **Cuvier** 1831. Type by original designation (also monotypic). Described as "le type d'un petit genre ou sous-genre [of *Zanclus*] particulier..." •Synonym of *Zanclus* Cuvier 1831. **Current status:** Synonym of *Zanclus* Cuvier 1831. Zanclidae.

Valenciennes

:

Xantocles Jordan [D. S.] 1917:88 [ref. [2408](#)]. Masc. *Zaniolepis frenatus* **Eigenmann** 1889. Type by original designation (also monotypic). •Valid as *Xantocles* Jordan 1917 -- (Rutenberg 1962:74 [ref. [24028](#)]). •Synonym of *Zaniolepis* Girard 1858 -- (Quast 1965:591 [ref. [26203](#)], Mecklenburg & Eschmeyer 2003:7 [ref. [27292](#)]). **Current status:** Synonym of *Zaniolepis* Girard 1858. Hexagrammidae: Zaniolepidinae.

Eigenmann & Eigenmann

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