

VERSLAGEN EN TECHNISCHE GEGEVENS
Instituut voor Taxonomische Zoölogie (Zoölogisch Museum)
Universiteit van Amsterdam

No. 22

Classification and catalogue of the mailed Loricariidae
(Pisces, Siluriformes)

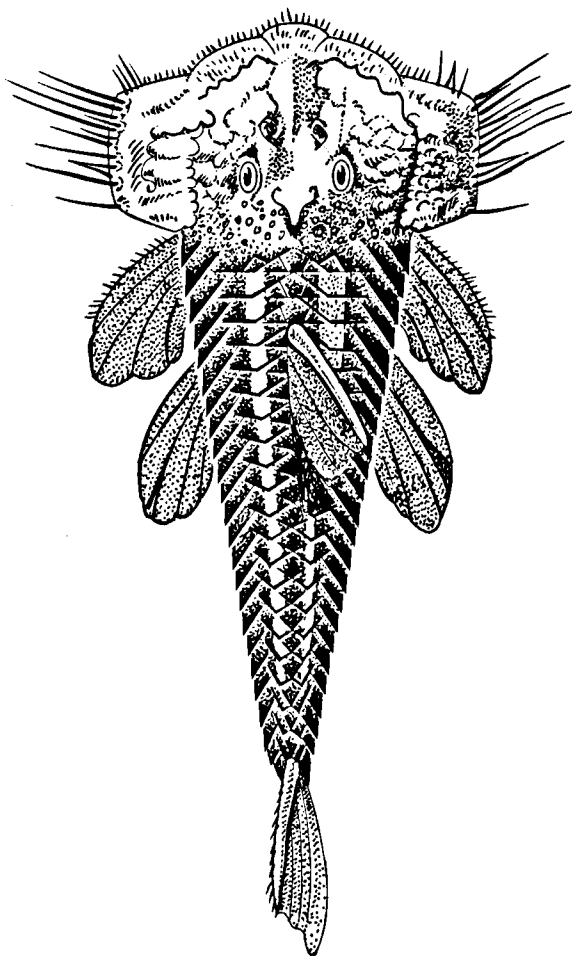
I. J. H. Isbrücker

3 maart 1980

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A B S T R A C T

This publication presents a catalogue of the taxa of the neotropical family Loricariidae, the mailed catfishes, including about 600 described species and 70 genera. An attempt is made to assign each species to its proper genus and to arrange the genera into an approximate phylogenetic order. Numerous new combinations have become necessary. A new tribe, consisting of two new subtribes, and three new genera are herein established. Notes on type-material, recorded in the literature subsequent to an original description, are added. Literature references aim to include all publications containing original descriptions and proposals of new names.

I N T R O D U C T I O N

A catalogue of the taxa within the Loricariidae, a neotropical family of mailed catfishes, is presented. An attempt is made to arrange genera and higher categories into phylogenetic order, whereas the species are listed within the genera in alphabetical order.

Previous complete or partial reviews of Loricariid taxa were published by Valenciennes, in Cuvier & Valenciennes (1840), Kner (1854a and 1854b), Bleeker (1858, 1862a and 1863, the latter two concerning genera and higher taxa), Günther (1864), Eigenmann & Eigenmann (1888, 1889, 1890, 1891), Regan (1904), Eigenmann (1910), Gosline (1945, 1947), Fowler (1954), Boeseman (1971), and the present author (1979).

The last complete review of Loricariid taxa was published by Gosline (1945: 77-122), who listed more than 400 species and subspecies in altogether 49 genera. One genus, Loricaria, was subdivided into 5 subgenera. There are numerous differences between Gosline's and the present review.

A total of about 600 specific names were found. They are herein assigned to 70 genera in 5 subfamilies. Three subfamilies consist of tribes, and some tribes are further subdivided into subtribes.

No attempt is made to compile the numerous different generic re-assignments in the literature, nor to comment upon the reasons why certain species are now placed in another genus.

In the present publication, each name is accompanied by the reference to its original proposal. The reference to each species includes citation of its type-locality (or the syntype-localities); the maximum size of type-specimens is quoted only. In addition, references are included to literature which subsequently recorded type-specimens, correction of type-localities, and so on. The dagger symbol indi-

cates descriptions I have not obtained. Standard length (SL) or total length (TL) is indicated; when no abbreviation is given, standard - or total length was not stated in the original description, although it usually concerns the total length.

Decimal measurements of the maximum size are expressed in the present paper as millimetres.

Various authors of the last century recorded the size of their material in inches: these are not expressed as millimetres in this paper. In most cases the Parisian system was used (although this is nowhere specified). It is perhaps useful to summarize here various ancient duodecimal measurements and their decimal equivalents (after Mohr, 1938, except for the Viennese):

Danish:	1'	= 313.8535	mm = 12"
	1"	= 26.15	mm = 12'"
	1'"	= 2.18	mm
English:	1'	= 304.7945	mm = 12"
	1"	= 25.4	mm = 12'"
	1'"	= 2.117	mm
French:	1'	= 324.8394	mm = 12"
	1"	= 27.072	mm = 12'"
	1'"	= 2.256	mm
Hamburger:	1'	= 286.5715	mm = 12"
	1"	= 23.85	mm = 12'"
	1'"	= 1.9875	mm
Swedish:	1'	= 296.9	mm = 10 Tum
	1 Tum	= 29.69	mm
Viennese:	1'	= 316.0807	mm = 12"
	1"	= 26.342583	mm = 12'"
	1'"	= 2.195	mm

Parisian = French; Prussian & Rhinelandian = Danish

1' = 1 foot; 1" = 1 inch; 1'" = 1 line

Most of the specific synonyms that have been proposed in the past for Loricariidae need careful re-examination. Several species maintained in the present list might prove to be junior synonyms.

Infraspecific names are treated as if they are species. The relationships of so many Loricariidae are imperfectly known.

The family Loricariidae is defined in the present paper without the Astroblepidae and without the Scoloplacidae (see p. 130), the latter contrary to the proposal of Bailey & Baskin (1976).

A C K N O W L E D G E M E N T S

For information and/or copies of publications lacking in our libraries, I am most grateful to the following persons: Dr J. N. Baskin (California State Polytechnic College, Pomona, Calif.), Dr J. E. Böhlke (Academy of Natural Sciences of Philadelphia, Philadelphia, Penn.), Dr H. A. Britski (Museu de Zoologia da Universidade de São Paulo, São Paulo), Mr G. J. Howes (British Museum (Natural History) London), Mrs Drs F. F. J. M. Pieters (Artis Library, Amsterdam), and Mr F. Wolter (Bremen).

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L O R I C A R I I D A E Bonaparte, 1831

Loricarini Bonaparte, 1831 † (reference copied from Swainson, 1838: 89, as "Loracarini" Bonaparte, 1831, established as a subdivision of the family Siluridae; type-genus, Loricaria Linnaeus, 1758)

includes Lithogeneinae
Neoplecostominae
Hypostominae
Ancistrinae
Hypoptopomatinae
Loricariinae

L I T H O G E N E I N A E Gosline, 1947

Lithogeninae Gosline, 1947: 80, 81, 85, 93, 95-96 (type-genus, Lithogenes Eigenmann, 1909)

includes Lithogenes

LITHOGENES Eigenmann, 1909

Lithogenes Eigenmann, 1909: 6 (type-species, by monotypy, Lithogenes villosus Eigenmann, 1909)

Lithogenes villosus Eigenmann, 1909

Lithogenes villosus Eigenmann, 1909: 6-7 (type-locality: British Guiana, Aruataima Falls, Upper Potaro; holotype, 44 mm)

* Eigenmann, 1912a: 228-229, pl. 26 figs. 2-4 (holotype)

N E O P L E C O S T O M I N A E Regan, 1904

Neoplecostominae Regan, 1904: 197, 201 & 306 (type-genus, Neoplecostomus Eigenmann & Eigenmann, 1888)

includes Neoplecostomus

NEOPLECOSTOMUS Eigenmann & Eigenmann, 1888

Neoplecostomus Eigenmann & Eigenmann, 1888: 170 & 171 (type-species, by original designation, Plecostomus (Neoplecostomus) microps = Plecostomus microps Steindachner, 1876c = Neoplecostomus microps)

Neoplecostomus granosus (Valenciennes, 1840)

Hypostomus granosus Valenciennes, in Cuvier & Valenciennes, 1840: 502-503 (Paris ed.), : 371 (Strasbourg ed.) (syntype-localities: Cayenne and Brésil, Rio-Janéiro; syntypes, up to 3 inches)

* Regan, 1904: 306 (including the syntypes)

Neoplecostomus microps (Steindachner, 1876)

Plecostomus microps Steindachner, 1876c: 130-132, pl. 13 (type-locality or syntype-localities: der Umgebung von Rio Janeiro, Rio Parahyba?; 2 syntypes, the largest illustrated)

* Eigenmann & Eigenmann, 1890: 395-396 (perhaps 3 syntypes)

H Y P O S T O M I N A E Kner, 1853

Hypostomiden Kner, 1853b: 279 (type-genus, Hypostomus Lacepède, 1803)

Inermes Kner, 1853b: 282 (alternative name)

Clypeati Kner, 1853b: 282 (alternative name)

Hypostomini Bleeker, 1858: 331 (type-genus, Hypostomus Lacepède, 1803)

Plecostomiformes & Plecostomini Bleeker, 1862a: 2 (type-genus,

Plecostomus Artedi, Gronovius; unavailable)

includes Rhinelepis
Pseudorhinelepis
Delturus
Pogonopoma
Pseudancistrus
Hemipsilichthys
Pareiorhaphis
Kronichthys
Corymbophanes
Upsilonodus
Pareiorhina
Pogonopomoides
Isorineloricaria
Hypostomus
Cochliodon
Pterygoplichthys

RHINELEPIS von Spix, 1829

Rhinelepis von Spix, in von Spix & Agassiz, 1829: 2 & 4 (type-species, by monotypy, Rhinelepis aspera von Spix, 1829)

Rhinelepis aspera von Spix, 1829

Rhinelepis aspera von Spix, in von Spix & Agassiz, 1829: 4-5, pl. 2
figs. 1-2, pl. A fig. 2 (type-locality: in flumine S. Francisci,
Lusitanis Roncador; holotype, 22 inches)

* The holotype was destroyed in World War II (Dr F. Terofal, pers. comm.)

Rhinelepis paraguensis Borodin, 1927

Rhinelepis paraguensis Borodin, 1927: 7 (type-locality: Paraguay; holotype and 2 paratypes, 25 mm SL)

★ Britski, 1969: 200 (paratype not found in MZUSP)

Rhinelepis strigosa Valenciennes, 1840

Rhinelepis strigosa Valenciennes, in Cuvier & Valenciennes, 1840: 480-483 (Paris ed.), : 354-354 (Strasbourg ed.) (type-locality: le Parana et d'autres rivières de la province de Corrientes; holotype, 13 inches, species 16 inches TL)

★ Regan, 1904: 220 (holotype)

PSEUDORINELEPIS Bleeker, 1862

Pseudorinelepis Bleeker, 1862a: 3, Bleeker, 1863: 79 (type-species, by original designation and monotypy, Pseudorinelepis genibarbis = Rhinelepis genibarbis Valenciennes, 1840)

Canthopomus Eigenmann, 1910: 407 (type-species, by original designation, Canthopomus genibarbis = Rhinelepis genibarbis Valenciennes, 1840 = Pseudorinelepis genibarbis)

Canthopomus Eigenmann & Allen, 1942: 182-183 (type-species, by original designation, Canthopomus agassizii = Rhinelepis Agassizii Steindachner, 1877 = Pseudorinelepis agassizii)

Pseudorinelepis agassizii (Steindachner, 1877)

Rhinelepis Agassizii Steindachner, 1877: 12-14 (syntype-localities: See Manacapouru, and "dem Amazonenstrome ohne nähere Angabe des Fundortes"; syntypes, 280 mm)

★ Eigenmann & Eigenmann, 1890: 416 (a syntype?)

Pseudorinelepis genibarbis (Valenciennes, 1840)

Rhinelepis genibarbis Valenciennes, in Cuvier & Valenciennes, 1840: 484-486 (Paris ed.), : 357-359 (Strasbourg ed.), pl. 453 (type-locality: probablement...Brésil; holotype, 15 inches)

★ Regan, 1904: 219 (holotype)

Pseudorinelepis pellegrini (Regan, 1904)

Plecostomus pellegrini Regan, 1904: 218-219 (in subgenus Pogonopoma;

type-locality: Upper Amazon; holotype, 225 mm TL)

DELTURUS Eigenmann & Eigenmann, 1889

Delturus Eigenmann & Eigenmann, 1889: 45 (type-species, by original designation, Delturus parahybae Eigenmann & Eigenmann, 1889)

Carinotus La Monte, 1933: 1-2 (type-species, by original designation and monotypy, Plecostomus (Carinotus) carinotus La Monte, 1933 = Delturus carinotus)

Delturus angulicauda (Steindachner, 1876)

Plecostomus angulicauda Steindachner, 1876c: 114-117, pl. 12 figs. 1, 1a-b, 2 (syntype-localities: Rio Mucuri bei Santa Clara, and Rio Parahyba)

★ Eigenmann & Eigenmann, 1890: 437-438 (a syntype?)

Delturus carinotus (La Monte, 1933)

Plecostomus (Carinotus) carinotus La Monte, 1933: 2, figs. 1a-b (type-locality: Rio Doce, Estado do Espirito Santo, eastern Brazil; holotype, 235 mm SL)

Delturus parahybae Eigenmann & Eigenmann, 1889

Delturus parahybae Eigenmann & Eigenmann, 1889: 45 (type-locality: Parahyba; 2 syntypes, 280 mm)

POGONOPOMA Regan, 1904

Pogonopoma Regan, 1904: 193 & 205 (subgenus of Plecostomus Gronow; original diagnosis of the subgenus in key on p. 205; type-species, by subsequent designation of Eigenmann, 1910: 404 & 407, Plecostomus (Pogonopoma) wertheimeri = Plecostomus Wertheimeri Steindachner, 1867 = Pogonopoma wertheimeri)

Pogonopoma wertheimeri (Steindachner, 1867)

Plecostomus Wertheimeri Steindachner, 1867: 701-705, pl. 1 (type-locality: dem Flusse Mucuri im gleichnamigen Districte bei Santa Clara in Brasilien; holotype, male, 9 inches 7 lines TL)

PSEUDANCISTRUS Bleeker, 1862

Pseudancistrus Bleeker, 1862a: 2, Bleeker, 1863: 78 (type-species, by original designation and monotypy, Pseudancistrus barbatus = Hypostomus barbatus Valenciennes, 1840)

Pseudancistrus barbatus (Valenciennes, 1840)

Hypostomus barbatus Valenciennes, in Cuvier & Valenciennes, 1840: 506-508 (Paris ed.), : 374-375 (Strasbourg ed.) (type-locality: La Mana; holotype, 10 inches)

Hypostomus guttatus Valenciennes, in Cuvier & Valenciennes, 1840: 508 (Paris ed.), : 375 (Strasbourg ed.) (type-locality: Surinam; holotype, 9 inches)

* Bleeker, 1864: 10-11, pl. 2 fig. 2, pl. 3 fig. 3 (holotype of Hypostomus guttatus; Hypostomus ciliatus, a nomen nudum), - van der Stigchel, 1946 & 1947: 155-156 (including the holotype of Hypostomus guttatus), - Boeseman, 1972: 295, 305 (holotype of Hypostomus guttatus; type-locality: Surinam, region near Paramaribo)

Pseudancistrus coquenani (Steindachner, 1915)

Ancistrus (Pseudancistrus) coquenani Steindachner, 1915c: 90-92 (pp. 76-78 of reprint), pl. 11 figs. 3-5 (type-locality: dem Coquenanusflusse, einem Nebenflusse des Caroni in Venezuela; 3 syntypes, 81 mm SL; "n. sp.? an A. güntheri Reg. ♀")

Pseudancistrus depressus (Günther, 1868)

Chaetostomus depressus Günther, 1868a: 476 (type-locality: Surinam), - Günther, 1868b: 232 (probably from Surinam; holotype, ♂, 6 inches)

* Regan, 1904: 240 (holotype, 130 mm TL)

Pseudancistrus guentheri (Regan, 1904)

Ancistrus guentheri Regan, 1904: 241, pl. 12 fig. 3 (in subgenus Pseudancistrus; type-locality: British Guiana; holotype, 120 mm TL)

Pseudancistrus luderwaldti A. de Miranda Ribeiro, 1918

Pseudancistrus luderwaldti A. de Miranda Ribeiro, 1918b: 632 (type-

locality: Hansa, Santa Catharina; holotype)

- * Britski, 1969: 210 (holotype, 66 mm SL; type-locality: Hansa, às margens do rio Itajaí, perto de Blumenau, Estado de Santa Catarina)

Pseudancistrus nigrescens Eigenmann, 1912

Pseudancistrus nigrescens Eigenmann, 1910: 409 (nomen nudum), - Eigenmann, 1912a: 234-235, fig. 35, pl. 25 fig. 2 (type-locality: British Guiana, Amatuk; holotype and 1 paratype, 182 mm)

HEMIPSILICHTHYS Eigenmann & Eigenmann, 1889

Xenomystus Lütken, 1874b: 217-220 (pre-occupied in Pisces; type-species, by original designation and monotypy, Xenomystus gobio Lütken, 1874)

Hemipsilichthys Eigenmann & Eigenmann, 1889: 46 (substitute name for Xenomystus Lütken, 1874; type-species, Xenomystus gobio Lütken, 1874 = Hemipsilichthys gobio)

Hemipsilichthys cameroni (Steindachner, 1907)

Ps[ilichthys] cameroni Steindachner, 1907a: 82 (generic name a lapsus for Hemipsilichthys; diagnosis; type-locality: dem Flusse Cubatão im Staate S. Catharina, Brasilien)

Hemipsilichthys cameroni; Steindachner, 1907b: 475-481, pl. 1 figs. 1, 1a-b, pl. 2 figs. 1, 1a, 2, 2a (im Flusse Cubatão, welcher das Gebiet der Exkolonie Theresopolis im Staate Santa Catharina durchfließt, in einer Höhe von 800 bis 1000 Fuss über dem Meere; 23 syntypes, 19 females, 100 mm, 4 males, 133 mm; specific name in honour of Dr. Miguel Calmon du Pin e Almeida).

Hemipsilichthys calmoni Steindachner, 1908a: 31 (p. 3 of reprint) (proposed rectification of specific name Hemipsilichthys cameroni)

- * van der Stigchel, 1946 & 1947: 5, 148-149 ("holotype" = a syntype, and a specimen from Theresopolis)

Hemipsilichthys cerosus A. de Miranda Ribeiro, 1951

H[emipsilichthys] cerosus A. de Miranda Ribeiro, 1924: 365 (nomen nudum)

Hemipsilichthys cerosus A. de Miranda Ribeiro, in P. de Miranda Ribeiro (ed.), 1951a: XXXIX (provenance unknown; no material indicated)

- * P. de Miranda Ribeiro (1951a: XXXVII) states: "Aproveitamos a oportuni-

dade para publicar uma descrição de Hemipsilichthys cerosus, encontrada em seu arquivo e que se relaciona com a citação daquele nome, ...". On p. IXL there is a reference: "Brasilianische Rundschau - Rio de Janeiro - Rio XII-1911 - Páginas 21-23."

- * P. de Miranda Ribeiro, 1955: 400 (designation of the lectotype; 1 paralectotype)

Hemipsilichthys garbei von Ihering, 1911

Hemipsilichthys garbei von Ihering, 1911: 399-402 (description in Portuguese), : 402-404 (description in German) (type-locality: no curso superior, montanha acima, do Rio Macahé, no Est. do Rio de Janeiro = Staat Rio de Janeiro, im Gebirgsflusse Macahé (ca. 10-15 m. Breite, flach und steinig) im Oberlaufe, d. h. am Gebirgsrande; syntypes, 140 mm TL)

- * A. de Miranda Ribeiro, 1918c: 709 (28 topotypes, as Hemipsilichthys gobio; "Tinha na etiqueta o nome de H. Garbei, R. Iher. 2 na sala de exposição.")
- * Britski, 1969: 200 (syntypes not found in MZUSP)

Hemipsilichthys gobio (Lütken, 1874)

Xenomystus gobio Lütken, 1874b: 217-220, pl. 4 figs. 1-6, 6a, - Lütken, 1875a: 27 (provenance unknown; holotype, 5½ inches TL)

- * Nielsen, 1974: 52 (holotype listed; northern South America?)

Reference:

Nielsen, J. G.

1974 Fish types in the Zoological Museum of Copenhagen (Zool. Mus., Univ. Copenhagen), : 1-115.

Hemipsilichthys regani Giltay, 1936

Hemipsilichthys regani Giltay, 1936: 6, figs. 1-2 (type-locality: Rio Curi Curiay, au S. du Rio Negro (Amazone, Brésil); holotype, male, 115 mm)

Hemipsilichthys steindachneri A. de Miranda Ribeiro, 1918

H[emipsilichthys] Steindachneri A. de Miranda Ribeiro, 1918a: 107 (also listed on p. 105; based upon Steindachner's description of Hemipsil-

ichthys calmoni, 1911a: 430-433, figd. on p. 431; the new species is classified in the new genus Pareiorhaphis, while –apparently inadvertently– it is named Hemipsilichthys; type-locality: Flum. Itapucu, Santa Catharina)

- ★ Steindachner (loc. cit.) records the occurrence of this species: in allen Gebirgswässern des Itapocú-Gebietes..., Rio novo, Rio Humboldt, Rio Isabel, Rio Paulo und deren Nebenbächen, - males 167 mm, females 123 mm TL.

PAREIORHAPHIS A. de Miranda Ribeiro, 1918

Pareiorhaphis A. de Miranda Ribeiro, 1918a: 106 (type-species, by subsequent designation of Gosline, 1947: 102, Pareiorhaphis duseni = Hemipsilichthys duseni A. de Miranda Ribeiro, 1907)

Pareiorhaphis alipionis Gosline, 1947

Pareiorhaphis alipionis Gosline, 1947: 104, table 1 (type-locality: almost certainly the Ribeirão do Monjolinha, in the Iporanga basin of São Paulo, locality label reads: Rio Bethary, São Paulo; holotype, probably a male, 1 paratype, 80 mm SL; both are paralectotypes of Hemipsilichthys duseni)

Pareiorhaphis duseni (A. de Miranda Ribeiro, 1907)

Hemipsilichthys duseni A. de Miranda Ribeiro, 1907: 187-188, ill.

(syntype-localities: Paran, and Ribeirao do Monjolinho  300 metros sobre o mar; 3 syntypes, 2 of which are male and female, 60 mm, the future lectotype, 71 mm SL, coll. Dusn)

- ★ Gosline, 1947: 102-104, table 1 (designation of the lectotype, 71 mm SL, probably from the State of Paran)
- ★ P. de Miranda Ribeiro, 1955: 400 (lectotype listed)

KRONICHTHYS A. de Miranda Ribeiro, 1908

Kronichthys A. de Miranda Ribeiro, 1908, first page (type-species, by monotypy, Kronichthys subteres A. de Miranda Ribeiro, 1908, often considered to be a junior synonym of Plecostomus Heylandi Boulenger, 1900 = Kronichthys heylandi)

Kronichthys heylandi (Boulenger, 1900)

Plecostomus Heylandi Boulenger, 1900: 165 (type-locality: a mountain stream 400 feet above sea-level near Santos, Southern Brazil; holotype, 150 mm TL)

★ Regan, 1904: 221 (holotype, as Hemipsilichthys gobio)

Kronichthys subteres A. de Miranda Ribeiro, 1908

Kronichthys subteres A. de Miranda Ribeiro, 1908, second page, first species, figs. 1, 1a (syntype-localities: Rios Bethary, Pardo e Iporanga; syntypes, 120 mm)

★ P. de Miranda Ribeiro, 1955: 400 (4 syntypes listed; Rio Bethari, São Paulo)

CORYMBOPHANES Eigenmann, 1909

Corymbophanes Eigenmann, 1909: 5 (type-species, by monotypy, Corymbophanes andersoni Eigenmann, 1909)

Corymbophanes andersoni Eigenmann, 1909

Corymbophanes andersoni Eigenmann, 1909: 5-6 (type-locality: British Guiana, Aruataima Falls, Upper Potaro; holotype, 86 mm)

★ Eigenmann, 1912a: 229-230, pl. 27 figs. 1-3 (holotype)

Corymbophanes bahianus Gosline, 1947

Corymbophanes bahianus Gosline, 1947: 107-108, pl. 3 figs. 5-6, table 3 (type-locality: Fazenda Almada, Ilheus, Bahia; holotype and 2 paratypes, 79 mm SL)

UPSILODUS A. de Miranda Ribeiro, 1924

Upsilodus A. de Miranda Ribeiro, 1924: 365-366 (type-species, by monotypy, Upsilodus victori A. de Miranda Ribeiro, 1924)

Upsilodus victori A. de Miranda Ribeiro, 1924

Upsilodus victori A. de Miranda Ribeiro, 1924: 366 (type-locality: Paquer ad Therezopolis, Rio de Janeiro; 2 syntypes, male and female)

★ Gosline, 1947: 99-100, pl. 1 figs. 1-2 (designation of the lectotype, paralectotype 130 mm TL; on pl. 1 holotype = lectotype)

★ P. de Miranda Ribeiro, 1955: 402 (lecto- and paralectotype listed)

PAREIORHINA Gosline, 1947

Pareiorhina Gosline, 1947: 104 (type-species, by original designation and monotypy, Pareiorhina rudolphi = Rhinelepis rudolphi A. de Miranda Ribeiro, 1911)

Pareiorhina rudolphi (A. de Miranda Ribeiro, 1911)

Plecostomus (Rhinelepis) microps von Ihering, 1907: 24 & 26 (description in English), : 25 & 27 (description in Portuguese) (type-locality: Piquete (Lorena), State of S. Paulo; holotype, 66 mm; pre-occupied in Plecostomus microps Steindachner, 1876, which is now Neoplecostomus microps)

Rhinelepis rudolphi A. de Miranda Ribeiro, 1911: 84 (substitute name for Plecostomus (Rhinelepis) microps von Ihering, 1907)

* A. de Miranda Ribeiro, 1918c: 716 (holotype)

* Britski, 1969: 209 (holotype)

POGONOPOMOIDES Gosline, 1947

Pogonopomoides Gosline, 1947: 109 (type-species, by original designation and monotypy, Pogonopomoides parahybae = Rhinelepis Parahybae Steindachner, 1877)

Pogonopomoides parahybae (Steindachner, 1877)

Rhinelepis Parahybae Steindachner, 1877: 2-5, pl. 2 (type-locality: dem Parahyba; syntypes?, 320 mm)

* Eigenmann & Eigenmann, 1890: 415 (4 syntypes?)

ISORINELORICARIA Isbrücker, in press

Isorineloricaria Isbrücker, in press (type-species, by original designation and monotypy, Isorineloricaria spinosissima = Plecostomus spinosissimus Steindachner, 1880)

For the sake of completeness, I feel justified to include herein my reasons to establish this genus:

It is desirable to separate Plecostomus spinosissimus and Plecostomus festae from Hypostomus. Therefore, I propose Isorineloricaria n. gen. of the subfamily Hypostominae, with Plecostomus spinosissimus as its type-species.

According to Eigenmann (1922: 68-69), Plecostomus festae is a junior synonym; the species undergoes marked change in proportions with growth, and I. festae represents one of the phases of this metamorphosis. As far as the excessive development of odontodes is concerned, Hypostomus phrixosoma invites for comparison, although I do not think that this species belongs to Isorineloricaria.

Isorineloricaria spinosissima and I. festae (which I prefer to consider as a distinct species until there is evidence of the contrary) differ from all species assigned to Hypostomus in their long and slender caudal peduncle, which is almost round in transverse section.

They are distinguished also by their peculiar and very prominent secondary sexual dimorphism. Females are already more rugose than the average Hypostomus species, due to the well-developed odontodes. In mature males several of these odontodes become excessively long. Eigenmann (1922, pl. 34 figs. 1-2) illustrated a female and a male, respectively; Steindachner (1880, pl. 5 figs. 1, 1a) the male holotype of I. spinosissima; and Regan (1904, pl. 9 fig. 1) a male (syntype?) of I. festae from western Ecuador.

Boulenger (1898b: 12), in his original description of I. festae remarked: "Par les épines qui hérissent la cuirasse et les nageoires des individus mâles, cette espèce dépasse même le P. spinosissimus, dont elle est voisine mais diffère par l'allongement beaucoup plus considérable de la queue. Il est presque impossible de manier, à main nue, les individus conservés en alcool."

I have seen large specimens of I. spinosissima and/or I. festae in the collections of the London and Vienna museums. The largest specimen is recorded by Eigenmann (1922: 69): 565 mm TL.

The generic name Isorineloricaria is derived from a combination of the Greek 'isos' meaning 'like', and Rineloricaria. In general body shape and also in the presence of prominent odontodes, but particularly because of their secondary sexual dimorphism, the species of Isorineloricaria

strikingly remind of several species of Rineloricaria (and in some respects of Harttia, for example). The roundish caudal peduncle of Isorineloricaria is found neither in Rineloricaria and Harttia (caudal peduncle usually strongly depressed) nor to such an extent in Hypostomus (caudal peduncle usually strongly compressed).

Isorineloricaria is known only from occidental Ecuador, west of the Andes. This is a highly interesting area for zoogeographical considerations. Several of the characters of this genus may indicate more than just an example of convergent evolution: I have the impression that it concerns one or two relict species, left in this area from before the uplift of the Andes commenced. It or they show great similarities in characters also found with several not closely related species (belonging to the Loricariinae) still mainly occurring in southeastern Brazil. I believe that Isorineloricaria represents an older phylogenetic line than Hypostomus.

★ (Adapted from my paper in press)

Isorineloricaria festae (Boulenger, 1898)

Plecostomus festae Boulenger, 1898b: 11-12 (syntype-localities: Rio Vinces and Rio Peripa, Ecuador; 2 syntypes, males, 460 mm)

★ Regan, 1904: 208-209, pl. 9 fig. 1 (a syntype?)

★ Tortonese, 1940: 137 (a syntype, listed; Rio Vinces, Ecuador)

Isorineloricaria spinosissima (Steindachner, 1880)

Plecostomus spinosissimus Steindachner, 1880: 98-99, pl. 5 figs. 1-1a (type-locality: aus den Flüssen um Guayaquil, Ecuador; holotype, male, 420-430 mm)

HYPOSTOMUS Lacepède, 1803

Hypostomus Lacepède, 1803: 144 (type-species, by monotypy, Hypostomus guacari Lacepède, 1803 = Acipenser plecostomus Linnaeus, 1758 = Hypostomus plecostomus)

Plecostomus Gronovius, ed. Gray, 1854: 157-158 (type-species, by present designation, Plecostomus bicirrosus Gronovius, ed. Gray,

1854 = Hypostomus plecostomus (Linnaeus, 1758)*)
Plecostomus Bleeker, 1862a: 2, Bleeker, 1863: 77-78 (type-species,
 by original designation and monotypy, Plecostomus brasiliensis
 Bleeker, 1862 = Hypostomus plecostomus (Linnaeus, 1758); authors
 of Plecostomus given as Art[edi] and Gron[ovius], "Hypostomus
 auct." in synonymy)

★ See also Plecostomus under Loricariichthys

★ The first modern use of the generic name Hypostomus, as far as I am
 aware, was by Hoedeman (1954: 267-270)

Reference:

Hoedeman, J. J.

1954 Aquariumwissen-encyclopaedie (de Bezige Bij, Amsterdam), :
 1-527.

Hypostomus affinis (Steindachner, 1876)

Plecostomus affinis Steindachner, 1876c: 127-130 (syntype-localities:
 Rio Mucury bei Santa Clara, and Rio Parahyba und dessen Neben-
 flusse Muriahé, im Rio Mucury und S. Antonio bei S. Antonio de
 Ferres; syntypes, longer than 14½ inches)

★ Eigenmann & Eigenmann, 1890: 404 (more than 50 specimens, syntypes?)

★ Tortonese, 1963: 311 (2 syntypes, Parahiba, Brasile, listed)

Hypostomus agna (A. de Miranda Ribeiro, 1907)

Plecostomus ãgnã A. de Miranda Ribeiro, 1907: 188-189 (type-locality
 Rio da Ribeira, affluente do Iporanga, São Paulo; holotype, 220 mm)

★ A. de Miranda Ribeiro, 1918c: 711 (holotype, listed)

Hypostomus alatus de Castelnau, 1855

Hypostomus alatus de Castelnau, 1855: 41, pl. 20 fig. 1 (type-locality
 rio Sabara, dans la province de Minas Geraës (Brésil); holotype,
 340 mm TL)

★ Regan, 1904: 211 (including the holotype)

Hypostomus albopunctatus (Regan, 1908)

Plecostomus albopunctatus Regan, 1908a: 797-798, fig. 206, pl. 49 fig.
 1 (type-locality: Rio Piracicaba, San Paulo, Brazil; 2 syntypes,

220 mm TL)

Hypostomus ancistroides (von Ihering, 1911)

Plecostomus ancistroides von Ihering, 1911: 396-397 (description in Portuguese), : 397-399 (description in German) (type-locality: Rio Tatuhy, affluente do lado esquerdo do Rio Sorocaba, Rio Piracicaba, Est. de S. Paulo = Rio Tatuhy, linker Nebenzufluss des Rio Sorocaba, Staat S. Paulo, Rio Piracicaba; 15 syntypes, 210 mm)

★ **Britski, 1969: 200 (syntypes not found in MZUSP)**

Hypostomus angipinnatus (Leege, 1922)

Plecostomus angipinnatus Leege, 1922: 152-153, figs. 1, 5, 5a, 8-16, 18-26, pl. 9 figs. 1-3, pl. 10 figs. 2-3 (type-locality: Matto Grosso?; holotype, 150 mm to end of middle caudal fin rays; anatomy on pp. 161-211: holotype damaged)

Hypostomus annae (Steindachner, 1882)

Plecostomus Annae Steindachner, 1882a: 112-113, pl. 3 figs. 2, 2a (type-locality: Pará; holotype, 3 inches 8 lines, about 100 mm SL)
Chaetostomus Annae Steindachner, 1882a: 146 (lapsus)

Hypostomus argus (Fowler, 1943)

Plecostomus argus Fowler, 1943a: 249-250, figs. 28-31 (type-locality: Villavicencio, Rio Meta basin, Colombia; holotype, 167 mm)

Hypostomus asperatus de Castelnau, 1855

Hypostomus asperatus de Castelnau, 1855: 41, pl. 20 fig. 2 (type-locality: l'Araguay; holotype, 300 mm TL)

★ **Regan, 1904: 217-218 (holotype)**

Hypostomus aspilogaster (Cope, 1894)

Plecostomus aspilogaster Cope, 1894: 100-101, pl. 8 figs. 14, 14a (type-locality: the Jacuhy, Rio Grande do Sul; 4 syntypes, 198 mm SL, 250 mm TL)

★ **Fowler, 1915a: 233 (4 syntypes, listed)**

Hypostomus atropinnis (Eigenmann & Eigenmann, 1890)

Plecostomus lima atropinnis Eigenmann & Eigenmann, 1890: 410 (type-locality: Goyaz; holotype, 210 mm; original description in key on p. 399)

Hypostomus auroguttatus Natterer & Heckel, 1854

Hyp[ostomus] auroguttatus Natterer & Heckel, in Kner, 1854b: 269-271, pl. 2 fig. 3 (provenance unknown; 3 syntypes, largest a male, 11 inches)

Hypostomus biseriatus (Cope, 1872)

Plecostomus biseriatus Cope, 1872: 285-286 (type-locality: the Amazon; holotype, "1.55 m" = 1550 mm TL [to me this seems to be an overstated size, or a misprint])

* Fowler, 1915a: 233 (holotype, listed)

Hypostomus bolivianus (Pearson, 1924)

Plecostomus bolivianus Pearson, 1924: 21-22, pl. 4 figs. 1-3 (type-locality: Popoi River, Upper Beni, Bolivia; holotype and 16 paratypes 150 mm; also 15 paratypes from Huachi, Bolivia, which is at the junctions of the Bopi and Cochabamba rivers)

Hypostomus borellii (Boulenger, 1897)

Plecostomus borellii Boulenger, 1897: 2 + (Bolivia)

* Regan, 1904: 212, pl. 9 fig. 2 (a syntype?, 180 mm TL)

* Tortonese, 1940: 137 (listed; a type-specimen from S. Francisco, Bolivia)

Hypostomus boulengeri (Eigenmann & Kennedy, 1903)

Plecostomus boulengeri Eigenmann & Kennedy, 1903: 502-503 (type-locality: Matto Grosso or Asuncion; holotype and 1 paratype, 100 mm)

* Boeseman, 1968: 16, 39 (paratype)

Hypostomus brevicauda (Günther, 1864)

Plecostomus brevicauda Günther, 1864: 235-236 (type-locality: Brazil, Bahia; 2 syntypes, 10 inches)

- * Regan, 1904: 216-217 (I believe that the 2 syntypes of Hypostomus brevicauda were included in the material for the description of Plecostomus wuchereri, sensu Regan)

Hypostomus brevis (Nichols, 1919)

Plecostomus brevis Nichols, 1919a: 5, 1919b: 413 † (type-locality: the State of São Paulo; holotype, 74 mm SL)

Hypostomus butantanis (von Ihering, 1911)

Plecostomus margaritifer butantanis von Ihering, 1911: 393-394 (description in Portuguese), : 395-396 (description in German) (type-locality: rio Pinheiros perto de S. Paulo, Capital = rio Pinheiros, Nebenfluss des Tieté, nahe der Hauptstadt S. Paulo; holotype, 230 mm TL)

- * Britski, 1969: 200 (holotype not found in MZUSP)

Hypostomus carinatus (Steindachner, 1882)

Plecostomus carinatus Steindachner, 1882a: 108-109, pl. 4 fig. 2 (syn-type-localities: aus dem Amazonen-Strome ohne nähere Angabe des Fundortes; das Museum zu Cambridge besitzt Exemplare von Jatuarana Ueranduba, und aus dem See Saraca; 3 syntypes, 350 mm)

- * Eigenmann & Eigenmann, 1890: 405-406 (1 syntype?, Jutahy; they were unable to find the specimens recorded from MCZ by Steindachner)

Hypostomus carvalhoi (A. de Miranda Ribeiro, 1937)

Plecostomus carvalhoi A. de Miranda Ribeiro, 1937: 54 (type-locality: Rio Granjeiro, Crato, Ceará; 4 syntypes, 220 mm), - A. de Miranda Ribeiro, in P. de Miranda Ribeiro (ed.), 1951a: XLII (reprint of the original description)

- * P. de Miranda Ribeiro, 1955: 401 (designation of the lectotype)

Hypostomus chaparae (Fowler, 1940)

Plecostomus chaparae Fowler, 1940b: 81-83, figs. 38-40 (type-locality: Boca Chapare, Rio Chimore, Cochabamba, Bolivia; holotype, 51 mm)

Hypostomus commersonii Valenciennes, 1840

Hypostomus commersonii Valenciennes, in Cuvier & Valenciennes, 1840:

495-497 (Paris ed.), : 366-367 (Strasbourg ed.) (syntype-localities: la rivière de Saint-François au Brésil, and le fleuve la Plata et ses affluens; d'Orbigny is quoted for the record of this species from: les Missions jusqu'à Buénos-Ayres, dans tout le cours du Parana et de l'Uruguay; syntypes, 20 inches)

- * Valenciennes, in d'Orbigny, 1847: 8, pl. 7 fig. 2 ("C'est encore un poisson dont on doit savoir gré à M. d'Orbigny de l'avoir rapporté. Il a été dessiné par Commerson sous le nom d'Esturgeon de la Ensenada, et confondu par Lacépède avec le Loricaria plecostomus.")
- * Regan, 1904: 206-207 (including "the type" of the species)

Hypostomus commersonoides (Marini, Nichols & La Monte, 1933)
Plecostomus commersonoides Marini, Nichols & La Monte, 1933: 3-4 (type-locality: Dársena Norte, Buenos Aires, Argentina; holotype and 1 paratype, 402 mm SL)

Hypostomus coppenamensis Boeseman, 1969
Hypostomus coppenamensis Boeseman, 1969: 120-125, fig. 3, table 1
(type-locality: Left tributary of Left Coppename River, 3°54' N, 56°46' W, Surinam; holotype and 1 paratype, 125 mm SL)

Hypostomus corantijni Boeseman, 1968
Hypostomus corantijni Boeseman, 1968: 40-42, pl. 4 figs. 1-4, table 2
(type-locality: Sipaliwini River, Surinam; holotype and 16 paratypes, and 1 non-type specimen, 188 mm SL)

Hypostomus cordovae (Günther, 1880)
Plecostomus cordovae Günther, 1880: 11-12 (type-locality: Cordova, Rio de la Plata; holotype, 9½ inches)
* Regan, 1904: 212, pl. 9 fig. 3 (holotype)

Hypostomus crassicauda Boeseman, 1968
Hypostomus crassicauda Boeseman, 1968: 42-44, pl. 17 figs. 1-2, table 3
(type-locality: Sipaliwini River, Surinam; holotype and 4 paratypes, 143 mm SL)

Hypostomus derbyi (Haseman, 1911)

Plecostomus derbyi Haseman, 1911b: 384, pls. 79-81 (type-locality: Porto União da Victoria, Rio Iguassú; holotype, 95 mm SL; another specimen was eaten by ants)

Hypostomus emarginatus Valenciennes, 1840

Hypostomus emarginatus Valenciennes, in Cuvier & Valenciennes, 1840: 500-501 (Paris ed.), : 369-370 (Strasbourg ed.) (type-locality: probablement Brésil; holotype, 20 inches)

★ Regan, 1904: 210-211 (including the holotype)

★ Boeseman, 1968: 13, 19, 36, table 16 (including the holotype)

Hypostomus fluviatilis (Schubart, 1964)

Plecostomus fluviatilis Schubart, 1964: 7-8, figs. 1 & 4, tables 4-5 (syntype-localities: 1) Córrego da Lazicá, perto de Ouro Fino (MG), 2) Cachoeira do Espriado, no alto Mogi Guaçu, acima do Soledade, Ouro Fino (MG), and 3) Alto Mogi Guaçu, 5 km a jusante de Inconfidentes (Mun. Ouro Fino, MG); 6 syntypes, 165 mm SL, 211 mm TL)

Hypostomus francisci (Lütken, 1874)

Plecostomus Francisci Lütken, 1874a: 30 †, - Lütken, 1875b: 143-144 (pp. 23-24), II-III (type-locality: Rio de S. Francisco; holotype, 11 inches)

Reference:

Lütken, C.

† 1874a Siluridae novae Brasiliae centralis etc.- Overs. K. danske Vidensk. Selsk. Forh., 1874 (1): 29-36 [ref. copied from Nielsen, 1974].

★ Nielsen, 1974: 52 (holotype, listed; Rio S. Francisco, Brazil). See reference to this publication under Hemipsilichthys gobio.

Hypostomus garmani (Regan, 1904)

Plecostomus garmani Regan, 1904: 214-215, pl. 10 fig. 1 (in subgenus Plecostomus in key on p. 205; type-locality: Rio das Velhas, Eastern Brazil; holotype, 260 mm TL)

Hypostomus gomesi (Fowler, 1942)

Plecostomus iheringi Fowler, 1941b: 150-151, figs. 50-52 (type-locality: Ceará; holotype, 195 mm; pre-occupied in Plecostomus iheringii Regan, 1908)

Plecostomus gomesi Fowler, 1942a: 1 (paper unpaginated) (substitute name for Plecostomus iheringi Fowler, 1941), - Fowler, 1942b: 2 (same as the preceding reference)

Hypostomus goyazensis (Regan, 1908)

Plecostomus goyazensis Regan, 1908a: 798, fig. 207 (type-locality: Goyaz; holotype, 260 mm TL)

Hypostomus gymnorhynchus (Norman, 1926)

Plecostomus gymnorhynchus Norman, 1926: 95-96 (type-locality: Iponcin Creek, into Approuage River, French Guiana; holotype, 200 mm TL)

* Boeseman, 1968: 44-47, pl. 5 figs. 1-4, table 4 (including the holotype), - Boeseman, 1969: 128-129, fig. 5a (holotype)

Hypostomus hemiurus (Eigenmann, 1912)

Plecostomus hemiurus Eigenmann, 1910: 407 (nomen nudum), - Eigenmann, 1912a: 224-225, fig. 34, pl. 25 fig. 1 (type-locality: British Guiana, Amatuk; holotype, 4 paratypes and 17 non-type-specimens, 201 mm)

* Boeseman, 1968: 55-56, pl. 17 figs. 3-4, table 17 (including a paratype)

Hypostomus hermanni (von Ihering, 1905)

Plecostomus Hermannii von Ihering, 1905: 560-561 (type-locality: Rio Piracicaba, São Paulo, Brazil; holotype, 240 mm TL)

Hypostomus horridus Heckel, 1854

Hyp[ostomus] horridus Heckel, in Kner, 1854b: 259-260, pl. 1 fig. 1 (type-locality: Forte do Principe am Rio Guaporé; 2 syntypes, males 17 inches TL)

Hypostomus iheringii (Regan, 1908)

Plecostomus iheringii Regan, 1908a: 795-796, pl. 47 fig. 1 (type-locality: Rio Piracicaba, San Paulo, Brazil; holotype, 150 mm TL)

Hypostomus interruptus (A. de Miranda Ribeiro, 1918)

Plecostomus interruptus A. de Miranda Ribeiro, 1918b: 632-633 (type-locality: Rio Juquiá; holotype)

* Britski, 1969: 209 (holotype, listed)

Hypostomus jaguribensis (Fowler, 1915)

Plecostomus jaguribensis Fowler, 1915b: 264-267, fig. 3 (type-locality: Rio Jaguribé at Barro Alto, Brazil; holotype and 1 paratype, 116 mm caudal tips damaged)

Hypostomus johnii (Steindachner, 1876)

Plecostomus Johnii Steindachner, 1876c: 133-134 (syntype-localities: Rio Puty and Rio Preto; syntypes, 6 one third inches TL)

* Eigenmann & Eigenmann, 1890: 413-414 (16 syntypes)

Hypostomus lacerta (Nichols, 1919)

Plecostomus lacerta Nichols, 1919a: 6, Nichols, 1919b: 414 + (type-locality: Poço Grande, State of São Paulo, Rio Juquiá; holotype and 3 paratypes, 70 mm)

* Britski, 1969: 209 (paratype, listed)

Hypostomus laplatae (Eigenmann, 1907)

Plecostomus laplatae Eigenmann, 1907: 450-451, pl. 21 figs. 1-3 (type-locality: Buenos Aires; holotype and 1 paratype, 410 mm)

Hypostomus latirostris (Regan, 1904)

Plecostomus latirostris Regan, 1904: 213, pl. 11 fig. 1 (in subgenus Plecostomus; syntype-localities: River Jungada, Matto Grosso, and Goyaz; the latter material became Plecostomus goyazensis in 1908; 3 syntypes, 260 mm TL)

Hypostomus levis (Pearson, 1924)

Rhinelepis levis Pearson, 1924: 22-23, pl. 5 figs. 1-3 (type-locality:

Huachi, Bolivia; holotype and 3 paratypes, 155 mm, 4 paratypes from the Popoi River, Upper Beni, Bolivia)

Hypostomus lexi (von Ihering, 1911)

Plecostomus lexi von Ihering, 1911: 387-389 (description in Portuguese), : 389 (description in German) (type-locality: Rio Pardo, perto de Barretos (Est. S. Paulo), quasi na foz do rio, que é affluente do Rio Grande, por sua vez tributario do lado esquerdo do Rio Paraná = Barretos, im Westen des Staates S. Paulo, dem Rio Pardo-flusse, einem Nebenflusse des Rio Grande, welcher seinerseits in den Rio Paraná vom La Plata-systeme mündet; holotype, 460 mm)

★ A. de Miranda Ribeiro, 1918c: 712-713 (holotype, 450 mm)

★ Gosline, 1947: 113 (holotype), - Britski, 1969: 209 (holotype)

Hypostomus lima (Reinhardt, 1874)

Plecostomus lima Reinhardt, in Lütken, 1874a: 29-30 †, - Lütken, 1875b: 140-143, II (type-locality: Ribeirão do Mato, og andre smaa Bifloder til Rio d. Velhas = in rivulis flumini Rio das Velhas affluenti-bus; 9 syntypes, 5 $\frac{3}{4}$ inches)

★ See reference to Lütken, 1874a under Hypostomus francisci.

★ Lütken (1875b) refers (in parentheses) to Reinhardt as the author of this species.

★ Regan, 1904: 216-217 (syntype or syntypes?)

★ Nielsen, 1974: 52 (6 syntypes listed; Rio das Velhas, Ribeirao do Mato and Lagoa Santa, Brazil)

★ See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Hypostomus limosus (Eigenmann & Eigenmann, 1888)

Plecostomus limosus Eigenmann & Eigenmann, 1888: 167 (type-locality: Rio Grande do Sul; 4 syntypes, 250 mm; original description in key)

★ Regan, 1904: 206-207 (syntype)

Hypostomus longiradiatus (Holly, 1929)

Plecostomus longiradiatus Holly, 1929: 118-119 (type-locality: Rio Guanã, vermutlich einem Nebenflusse des Madeira, der selbst ein Nebenfluss des Amazonenstromes ist; holotype, 395 mm TL, 1 paratype from Ilia das Onças, einer Strominsel des Madeira, Brasilien)

Hypostomus luetkeni (Steindachner, 1877)

Plecostomus Lütkeni Steindachner, 1877: 1-2 (based upon Steindachner's description (1876c: 121-124) of Plecostomus lima; syntype-localities: Küstenflüsse des südöstlichen Brasiliens, Rio Parahyba, R. Mucuri, R. San Antonio, R. Quenda, R. de Pedra)

* **Eigenmann & Eigenmann, 1890: 411 (25 syntypes?)**

Hypostomus luteomaculatus (Devincenzi & Teague, 1942)

Plecostomus luteomaculatus Devincenzi & Teague, 1942: 20-22, pl. 3 figs. 2-3 (fig. 3 also on cover) (type-locality: el río Uruguay; holotype, 240 mm SL, 344 mm TL)

* **Luengo, 1966: 20 (holotype, listed)**

Hypostomus macrophthalmus Boeseman, 1968

Hypostomus pseudoheмиurus macrophthalmus Boeseman, 1968: 56-58, fig. 6, pl. 10 figs. 1-4, table 9 (type-locality: Sipaliwini River, near air strip, Surinam; holotype and 19 paratypes, 79 mm sl)

Hypostomus macrops (Eigenmann & Eigenmann, 1888)

Plecostomus macrops Eigenmann & Eigenmann, 1888: 170 (type-locality: Rio das Velhas; holotype, 280 mm; original description in key)

* **Regan, 1904: 214 (holotype)**

Hypostomus madeirae (Fowler, 1913)

Plecostomus madeirae Fowler, 1913: 571-574, fig. 23 (type-locality: Madeira River, about 200 miles east of W. Long. 63°54', Brazil; holotype, 105 mm)

Hypostomus margaritifer (Regan, 1908)

Plecostomus margaritifer Regan, 1908a: 796, pl. 47 fig. 2 (type-locality Rio Piracicaba, San Paulo, Brazil; holotype, 160 mm TL)

Hypostomus meleagris (Marini, Nichols & La Monte, 1933)

Plecostomus meleagris Marini, Nichols & La Monte, 1933: 4-6 (type-locality: southeastern Brazil; holotype and 6 paratypes, 300 mm SL)

Hypostomus micromaculatus Boeseman, 1968

Hypostomus micromaculatus Boeseman, 1968: 49-52, 77, pl. 7 figs. 1-4, table 6 (type-locality: Mamadam falls, Surinam River, Surinam; holotype, 239 paratypes, and 39 juvenile non-type specimens, 185 mm SL)

Hypostomus micropunctatus (La Monte, 1935)

Plecostomus micropunctatus La Monte, 1935: 1-3, fig. 1 (type-locality: Rio Purus, in the vicinity of the mouth of the Rio Macauhan, a tributary of Rio Yaco, which, in turn, is a tributary of Rio Purus 69° W, 09°20' S; 1 non-type specimen from Rio Jurua, collected in the vicinity of the mouth of Rio Embira, a tributary of Rio Tarauaca, which, in turn, is a tributary of Rio Jurua, 70°15' W, 07°30' S; holotype and 4 paratypes from the type-locality, 108 mm SL)

Hypostomus myersi (Gosline, 1947)

Plecostomus myersi Gosline, 1947: 116-117, pl. 5 figs. 9-10, table 6 (type-locality: the Rio Iguacu at Porto União, State of Paraná; holotype and 4 paratypes, 207 mm SL)

Hypostomus niceforoi (Fowler, 1943)

Hemiancistrus niceforoi Fowler, 1943a: 250-252, figs. 32-35 (type-locality: Florencia, Rio Orteguasa, Colombia; holotype, 213 mm)

Hypostomus nickeriensis Boeseman, 1969

Hypostomus nickeriensis Boeseman, 1969: 125-128, fig. 4, table 2 (type-locality: Stondansie Falls, Nickerie River, Surinam; holotype and 31 paratypes, 170 mm SL)

Hypostomus niger (Marini, Nichols & La Monte, 1933)

Plecostomus niger Marini, Nichols & La Monte, 1933: 4 (type-locality: southeastern Brazil; holotype, about 245 mm SL)

Hypostomus nigromaculatus (Schubart, 1964)

Plecostomus nigromaculatus Schubart, 1964: 2-7, figs. 2 and 5 (type-locality: Rio Mogi Guaçu, Cachoeira de Emas, na região da corredeira (Topava), Mun. Pirassununga, Est. São Paulo; holotype, 118

paratypes, and 21 topotypes; 2 paratypes from Ribeirão Areia Branca, curso superior perto da estrada antiga entre Pirassununga e Descalvados, Mun. Descalvados, Est. São Paulo; 106 mm SL; a specimen of 150 mm TL recorded)

Hypostomus nudiventris (Fowler, 1941)

Plecostomus nudiventris Fowler, 1941b: 147-148, figs. 44-46 (type-locality: Rio Choró, Ceará, near Fortaleza; holotype, 82 mm)

Hypostomus obtusirostris (Steindachner, 1907)

Plecostomus obtusirostris Steindachner, 1907b: 490-491 (type-locality: dem Flusse Cubatão im Staate Santa Catharina bei Theresopolis, Brasilien; holotype, 46 mm SL, 59 mm TL)

Hypostomus occidentalis Boeseman, 1968

Hypostomus gymnorhynchus occidentalis Boeseman, 1968: 47-49, pl. 6 figs. 1-4, table 5 (type-locality: Surinam River near Brokopondo, Surinam; holotype and 4 paratypes, 146 mm SL)
* Boeseman, 1969: 128-129, fig. 5c (holotype)

Hypostomus panamensis (Eigenmann, 1922)

Plecostomus plecostomus panamensis Eigenmann, 1922: 69-70 (syntype-localities: the Rio Gatun, at Monte Lira and at Gatun - material of Meek & Hildebrand; no type-specimens listed)

Hypostomus pantherinus (Kner, 1854)

Hyp[ostomus] pantherinus Kner, 1854b: 267-268 (type-locality: Rio Guaporé, ohne nähere Angaben; holotype, scarcely 3 inches TL)

Hypostomus papariae (Fowler, 1941)

Plecostomus plecostomus papariae Fowler, 1941b: 145-147, figs. 41-43 (type-locality: Lago Papary, Rio Grande do Norte; holotype and 1 paratopotype, 2 paratypes from Rio Choró, Ceará; 160 mm)

Hypostomus paranensis Weyenberg, 1877

Hypostomus paranensis Weyenberg, 1877: 9 +

* Berg (1895: 141) seems to be the only author who subsequently recorded this taxon: as a junior synonym of Hypostomus affinis.

Hypostomus paucimaculatus Boeseman, 1968

Hypostomus paucimaculatus Boeseman, 1968: 52-54, pl. 8 figs. 1-4, table 1 (type-locality: Surinam River near Brokopondo, Surinam; holotype and 3 paratypes, 120 mm SL)

Hypostomus paulinus (von Ihering, 1905)

Plecostomus paulinus von Ihering, 1905: 560 (type-locality: the Rio Piracicaba, São Paulo, Brazil; holotype, 160 mm TL)

★ A. de Miranda Ribeiro, 1918c: 715 ("? Plecostomus paulinus, ... 7 Exemplares que supponho serem os typos de Pl. paulinus...")

Hypostomus phrixosoma (Fowler, 1940)

Plecostomus phrixosoma Fowler, 1940a: 233-235, figs. 21-23 (type-locality: Ucayali River basin, Contamana, Peru; holotype, 150 mm)

Hypostomus plecostomus (Linnaeus, 1758)

[Acipenser indicus] Linnaeus, 1754: 55, pl. 28 fig. 4 (locality: India [= Surinam])

[Plecostomus no. 67] Gronovius, 1754: 24-25, pl. 3 figs. 1-2 (locality: Surinamae Fluvius)

Acipenser plecostomus Linnaeus, 1758: 238 (type-locality: Surinami; based upon the descriptions of Acipenser indicus Linnaeus, 1754 and Plecostomus no. 67 Gronovius, 1754)

[Plecostomus seu Loricaria plecostomus] Meuschen, in Gronovius, 1781, Index Piscium (invalidated by Hemming (ed.), 1954b; name for Plecostomus no. 394 Gronovius, 1781 = Plecostomus no. 67 Gronovius, 1754)

Hypostomus guacari Lacepède, 1803: 144, 145-146 (substitute name for Acipenser plecostomus and various other references)

Loricaria Flava Shaw, 1804: 38, pl. 101 (substitute name for Loricaria Plecostomus sensu Bloch, 1794, Accipenser Indicus Linnaeus, 1754 and Loricaria Plecostomus Linnaeus, 1766; Native of the Indian Seas [= South America])

Plecostomus bicirrosus Gronow (= Gronovius), in Gray (ed.), 1854: 158 (based upon Plecostomus no. 67 Gronovius, 1754, Plecostomus no. 394 Gronovius, 1781, and Loricaria plecostomus Linnaeus, 1766; type-

locality: in Americis Meridionali fluminibus)

Plecostomus brasiliensis Bleeker, 1862a: 2, - Bleeker, 1863: 77-78

(type-species of the genus; name is derived from Cataphractus brasiliensis Willughby, 1686 †; substitute name for Acipenser plecostomus Linnaeus, 1758)

- * Boeseman, 1968: 9-11, 32-40, pl. 1 fig. 1, pl. 2 figs. 1-3, pl. 3 figs. 1-4, table 1 (designation of a single specimen as the neotype for both Acipenser plecostomus Linnaeus, 1758, and Hypostomus guacari Lacepède, 1803; type-locality: the Surinam River outlet)
- * Boeseman (1968: 11) records 3 juvenile (57 to 84 mm, SL?) specimens labelled "Loricaria Plecostomus", and presumably from the Adolf Fredrik collection, in the Stockholm Museum. In my opinion, there is no evidence at all that these specimens are not syntypes, in spite of the recorded discrepancies with the specimen illustrated by Linnaeus (1754). It is remarkable that this illustrated specimen would be lost, while 3 other (?) specimens are still present. The likely syntypes await proper examination: if they are not conspecific with the neotype, how would they have to be named?
- * I prefer to consider the opportunity to treat Shaw's Loricaria Flava (1804) as a junior synonym of Acipenser plecostomus Linnaeus, 1758 (= Hypostomus plecostomus) rather than as a senior synonym of Hypostomus watwata Hancock, 1828. The primary type-specimen(s) of Loricaria Flava, in my opinion, is (are) the same as that (those) of Acipenser plecostomus.
If Boeseman (1968) would be followed, Hypostomus watwata simply must be renamed as Hypostomus flavus (Shaw, 1804).
- * Bleeker, 1864: 7-9 (description of Plecostomus brasiliensis Blkr, 12 specimens from Surinama, Mejico, Cujaba, Chili; synonyms as follows: Cataphractus brasiliensis et C. americanus Willughby, 1686, Acipenser indicus Linnaeus, 1754, Acipenser plecostomus Linnaeus, 1758, Hypostomus guacari Lacepède, 1803, Hypostoma flava (Swainson, 1839), Plecostomus bicirrosus Gronovius, 1854, Hypostomus verres Valenciennes, 1840, and others; author names and years of publication added by me)
- * Boeseman, 1968: 32-33, 37-38 (designation of the lectotype of Plecostomus brasiliensis Bleeker, 1862; type-locality: Surinam, probably in the neighbourhood of Paramaribo; conspecific with H. plecostomus)

Hypostomus popoi (Pearson, 1924)

Plecostomus popoi Pearson, 1924: 20-21, pl. 3 figs. 1-2 (type-locality: Popoi River, Upper Beni, Bolivia; holotype and 3 paratypes, 104 mm)

Hypostomus pseudohemiurus Boeseman, 1968

Hypostomus pseudohemiurus Boeseman, 1968: 54-56, pl. 9 figs. 1-4, table 8 (type-locality: Kabalebo River, Corantijn River basin, Surinam; holotype and 97 paratypes, 62 mm SL)

Hypostomus punctatus Valenciennes, 1840

Hypostomus punctatus Valenciennes, in Cuvier & Valenciennes, 1840: 493-494 (Paris ed.), : 364 (Strasbourg ed.) (type-locality: Rio-Janéiro; "Ce possoin, long d'un pied, ...")

★ Regan, 1904: 207 (including the types of the species...)

Hypostomus pusarum (Starks, 1913)

Plecostomus pusarum Starks, 1913: 36-38, pl. 6 (type-locality: the little disconnected ponds and the muddy stream at Ceara Mirim; holotype and paratypes, 8 inches)

★ Böhlke, 1953: 46 (holotype and 31 paratypes, listed)

Reference:

Böhlke, J. [E.]

1953 A catalogue of the type specimens of recent fishes in the Natural History Museum of Stanford University.- Stanford ichth. Bull., 5: 1-168.

Hypostomus rachovii (Regan, 1913)

Plecostomus rachovii Regan, 1913c: 555 (type-locality: near Rio de Janeiro; holotype, 135 mm TL)

Hypostomus regani (von Ihering, 1905)

Plecostomus Regani von Ihering, 1905: 558-559 (type-locality: Rio Piracicaba, São Paulo, Brazil; 2 syntypes, 275 mm TL)

★ A. de Miranda Ribeiro, 1918c: 710 (listed, the syntypes?)

Hypostomus robinii Valenciennes, 1840

Hypostomus Robinii Valenciennes, in Cuvier & Valenciennes, 1840: 501-502 (Paris ed.), : 370 (Strasbourg ed.) (syntype-localities: la Trinité, and des affluens de la Plata; a syntype, 8 inches, from the former locality, and smaller syntypes from the latter)

* Regan, 1904: 215 (including the type of the species)

* Boeseman, 1960: 109-115, fig. 37 (including syntypes)

Reference:

Boeseman, M.

1960 Studies on the fauna of Curaçao and other Caribbean islands No. 48. The fresh-water fishes of the island of Trinidad.- Stud. Faun. Curaçao Caribb. Isl. (= Publ. Natuurwetensch. Studiekr. Sur. Ned. Ant., 21), 10: 72-153.

* Boeseman, 1968: 36-37, table 19 (designation of the lectotype; Trinidad)

Hypostomus rondoni (A. de Miranda Ribeiro, 1912)

Plecostomus rondini A. de Miranda Ribeiro, 1912: 6-7 (correction of spelling of the specific name to rondoni on unpagged sheet with errata; type-locality: S. Manoel, Rio Tapajoz; holotype, 80 mm)

* P. de Miranda Ribeiro, 1955: 401 (holotype listed; São Manuel, Rio Tapajós)

Hypostomus saramaccensis Boeseman, 1968

Hypostomus saramaccensis Boeseman, 1968: 58-60, 78, pl. 11 figs. 1-4, table 10 (type-locality: Feddipratti (rapids), middle Saramacca River, Surinam; holotype and 35 paratypes, 115 mm SL)

Hypostomus scabriceps (Eigenmann & Eigenmann, 1888)

Plecostomus commersonii scabriceps Eigenmann & Eigenmann, 1888: 168 (type-locality: Sao Matheus; 3 syntypes, 350 mm; original description in the key)

Hypostomus scaphyiceps (Nichols, 1919)

Plecostomus scaphyiceps Nichols, 1919a: 7-8, - Nichols, 1919b: 425 +

(type-locality: Cerqueira Cezar, State of Sao Paulo; holotype, 35 mm SL; one other little specimen with the same data as the holotype, suggesting P. margaritifer in appearance, and a 3rd specimen, 50 mm, is referred to P. scaphyceps but may represent an intermediate condition, or a third species)

* Britski, 1969: 209 (paratype)

Hypostomus scopularius (Cope, 1871)

Plecostomus scopularius Cope, 1871a: 55 (type-locality: the Amazon above the mouth of the Rio Negro)

Reference:

Cope, E. D.

1871a [Prof. Cope exhibited a number of fishes from the Amazon above the mouth of the Rio Negro, which included some new and rare forms].- Proc. Acad. nat. Sci. Philadelphia, 23: 55.

* Cope, 1872: 286, pl. 16 figs. 1-2 (Ambyiacu River)

* Fowler, 1915a: 233 (holotype, listed)

Hypostomus seminudus (Eigenmann & Eigenmann, 1888)

Plecostomus seminudus Eigenmann & Eigenmann, 1888: 169 (type-locality: Brazil?; holotype; original description in the key)

Hypostomus sipaliwinii Boeseman, 1968

Hypostomus sipaliwinii Boeseman, 1968: 60-61, pl. 12 figs. 1-4, table 11 (type-locality: Sipaliwini River, upper Corantijn River basin, Surinam; holotype and 1 paratype, 126 mm SL)

Hypostomus spiniger (Hensel, 1870)

Plecostomus spiniger Hensel, 1870: 73-75 (type-locality: Rio Cadea; holotype, 320 mm SL)

Hypostomus squalinus R. H. Schomburgk, 1841

Hypostoma squalinum R. H. Schomburgk, 1841: 142-144, pl. 2 (type-locality: Rios Branco, Negro, and Essequibo; holotype, 13¼ inches TL)

Hypostomus strigaticeps (Regan, 1908)

Plecostomus strigaticeps Regan, 1908a: 796-797, pl. 48 fig. 1 (type-loc-

ality: Rio Piracicaba, San Paulo, Brazil; 2 syntypes, 200 mm TL)

Hypostomus subcarinatus de Castelnau, 1855

Hypostomus subcarinatus de Castelnau, 1855: 42-43, pl. 21 fig. 1 (type-locality: des rivières de la province des Mines; apparently only the holotype, 310 mm TL)

* Regan, 1904: 207 (holotype)

Hypostomus surinamensis Boeseman, 1968

Hypostomus surinamensis Boeseman, 1968: 61-64, 78, pl. 13 figs. 1-4, pl. 14 figs. 1-2, table 13 (type-locality: Surinam River near Brokopondo, Surinam; holotype, 185 paratypes and 1 non-typical specimen, 183 mm SL)

Hypostomus taeniatus (Regan, 1908)

Plecostomus taeniatus Regan, 1908b: 358 (type-locality: Rio de la Plata; 2 syntypes, 260 mm TL)

Hypostomus tapanahoniensis Boeseman, 1969

Hypostomus gymnorhynchus tapanahoniensis Boeseman, 1969: 129, figs. 5b & 5d (type-locality: Tapanahoni River, Surinam; holotype and 20 paratypes, 156 mm SL)

Hypostomus tenuicauda (Steindachner, 1878)

Plecostomus tenuicauda Steindachner, 1878a: 90 (diagnosis), - Steindachner, 1878b: 40-42 (pp. 24-26 of reprint), pl. 6 (type-locality: der Grossen, seeartig ausgebreiteten Cienega, welche der Magdalenen-Strom mit einem seiner östlich gelegenen Hauptarme kurz vor seiner Mündung in das Meer bildet; syntypes, 480 mm)

* Tortonese, 1963: 311 (syntype, Rio Magdalena, Brasile, listed)

* Nielsen, 1974: 52 (syntype, Rio Magdalena, Columbia, listed)

See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Hypostomus tenuis Boeseman, 1968

Hypostomus tenuis Boeseman, 1968: 64-65, pl. 14 figs. 3-4, table 14 (type-locality: near Paramaribo, Surinam; holotype, 195 mm SL)

Hypostomus ternetzi (Boulenger, 1895)

Plecostomus ternetzi Boulenger, 1895: 525-526 (type-locality: Paraguay; holotype, 240 mm TL), - Boulenger, 1896: 30, pl. 5 (holotype)

★ Regan, 1904: 213-214 (holotype)

Hypostomus tietensis (von Ihering, 1905)

Plecostomus tietensis von Ihering, 1905: 559 (type-locality: the Rio Tiete, São Paulo, Brazil; holotype, 160 mm TL)

Hypostomus topavae (de Godoy, 1969)

Plecostomus topavae de Godoy, 1969: 179, figs. † (Mogi Guassu River, São Paulo, Brazil)

Hypostomus unae (Steindachner, 1878)

Plecostomus unae Steindachner, 1878c: 383 † (based upon Plecostomus Robinii sensu Steindachner, 1876c: 118-121, syntypes from Rio Una, südlich von Bahia)

★ Eigenmann & Eigenmann, 1890: 412-413 (2 syntypes?)

Hypostomus unicolor (Steindachner, 1908)

Plecostomus unicolor Steindachner, 1908b: 164-165 (type-locality: Rio Purus; holotype only?)

Hypostomus vaillanti (Steindachner, 1877)

Plecostomus Vaillanti Steindachner, 1877: 9-12 (type-locality: Rio Preto; syntypes, 220 mm)

★ Eigenmann & Eigenmann, 1890: 407-408 (4 syntypes?)

Hypostomus variipictus (von Ihering, 1911)

Plecostomus variipictus von Ihering, 1911: 390-391 (description in Portuguese), : 391-393 (description in German) (type-locality: Rio Pardo perto de Barretos, Est. de S. Paulo, quasi em sua foz no Rio Grande, tributario do lado esquerdo de Rio Paraná = dem Rio Pardo, nahe bei Barretos, Staat S. Paulo, beinahe an seiner Mündung in den Rio Grande, einem linken Nebenflusse des R. Paraná; holotype, 370 mm TL)

- * A. de Miranda Ribeiro, 1918c: 711-712 (description; holotype?, 380 mm)
- * Britski, 1969: 209 (holotype)

Hypostomus varimaculosus (Fowler, 1945)

Plecostomus varimaculosus Fowler, 1945c: 113, figs. 14-15 (type-locality: Morelia, Rio Caquetá drainage, Colombia; holotype, 91 mm)

Hypostomus variostictus (A. de Miranda Ribeiro, 1912)

Plecostomus variostictus A. de Miranda Ribeiro, 1912: 6 (type-locality: Coxim, M. Grosso; holotype, 57 mm)

- * P. de Miranda Ribeiro, 1955: 401 (holotype listed; Coxim, Mato-Grosso)

Hypostomus ventromaculatus Boeseman, 1968

Hypostomus ventromaculatus Boeseman, 1968: 65-67, 79, pl. 15 figs. 1-4, table 12 (type-locality: Surinam River between Afobaka and Brokondo, Surinam; holotype and 16 paratypes, 162 mm SL)

Hypostomus vermicularis (Eigenmann & Eigenmann, 1888)

Plecostomus vermicularis Eigenmann & Eigenmann, 1888: 171 (syntype-localities: Rio Parahyba, Rio Janeiro, Mendez, Macacos, Goyaz; 37 syntypes, 300 mm)

- * Regan, 1904: 216-217 (syntype(s)?)

Hypostomus verres Valenciennes, 1840

Hypostomus verres Valenciennes, in Cuvier & Valenciennes, 1840: 494-495 (Paris ed.), : 365-366 (Strasbourg ed.) (type-locality: Cayenne; syntypes, 15 inches)

- * Regan, 1904: 209 (including the types of the species)
- * Boeseman, 1968: 13, 19, 70, pl. 18 figs. 3-4, table 20 (designation of the lectotype; 1 paralectotype is conspecific with the lectotype, 3 paralectotypes are Hypostomus watwata)

Hypostomus villarsi (Lütken, 1874)

Plecostomus Villarsi Lütken, 1874b: 211-213, - Lütken, 1875a: 26 (type-locality: Carracas?, Venezuela; 17 inches)

- * Steindachner, 1878b: 42-43 (pp. 26-27 of reprint), pl. 7 (das Original exemplar, a syntype)

* Nielsen, 1974: 52 (2 syntypes, listed; Caracas, Venezuela)

See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Hypostomus virescens (Cope, 1874)

Plecostomus virescens Cope, 1874: 137 (type-locality: upper Amazon)

* Cope, 1894: 101 (Eastern Peru; 4 syntypes, 92 mm)

* Fowler, 1915a: 233 (4 syntypes, listed)

Hypostomus watwata Hancock, 1828

Hypostomus watwata Hancock, 1828: 246 (type-locality: Demerara, on the sea-shores; generally 8 inches)

* Günther, 1864: 230 (footnote: holotype appears to be lost)

* Boeseman, 1968: 67-72, pl. 1 fig. 2, pl. 16 figs. 1-5, table 15 (designation of the neotype; type-locality: off Berbice River Guyana; 260 mm SL)

Hypostomus winzi (Fowler, 1945)

Plecostomus winzi Fowler, 1945a: 9, figs. 4-7 † (Honda, Colombia)

Hypostomus wuchereri (Günther, 1864)

Plecostomus wuchereri Günther, 1864: 235 (type-locality: Bahia, Brazil; 4 syntypes, 13 inches; in subgeneric group Plecostomus on p. 231)

* Regan, 1904: 216-217, pl. 10 fig. 2 (illustration not specified; 12 specimens, including syntypes of P. lima and P. vermicularis; likely also including the 4 syntypes of the species and the 2 syntypes of Plecostomus brevicauda)

COCHLIODON Heckel, 1854

Cochliodon Heckel, in Kner, 1854b: 255 & 265 (originally published in synonymy, adopted by Günther, 1864: 231; type-species, by monotypy, Hypostomus cochliodon Kner, 1854 = Cochliodon cochliodon)

Cheiridodus Eigenmann, 1922: 70 (type-species, by original designation and monotypy, Cheiridodus hondae = Plecostomus hondae Regan, 1912 = Cochliodon hondae)

Cochliodon cochliodon (Kner, 1854)

Hyp[ostomus] cochliodon Kner, 1854b: 265-267, pl. 2 fig. 1 (type-locality: Rio Cujaba; 4 syntypes, 8 inches)

Cochliodon hypostomus Heckel, in Kner, 1854b: 265 (name published in synonymy)

Loricaria melanoptera Natterer, in Kner, 1854b: 265 (name published in synonymy)

* van der Stigchel, 1946 & 1947: 157-158 (a syntype), - Boeseman, 1968: 37 (a syntype)

Cochliodon hondae (Regan, 1912)

Plecostomus hondae Regan, 1912: 666, pl. 76 fig. 3 (type-locality: Honda Colombia, 300-400 ft.; 2 syntypes, 80 mm TL)

Cochliodon oculeus (Fowler, 1943)

Panaque oculeus Fowler, 1943a: 256-258, figs. 48-51 (type-locality: Florencia, Rio Orteguasa, Colombia; holotype and 2 paratypes, 200 mm)

Cochliodon plecostomoides Eigenmann, 1922

Cochliodon plecostomoides Eigenmann, 1922: 225-226, pl. 11 figs. 1-3 (type-locality: Quebrada Cramalote, Villavicencio; holotype and 1 paratype, 256 mm TL)

Cochliodon pospisili Schultz, 1944

Cochliodon pospisili Schultz, 1944a: 312-313, pl. 11 C-D, table 19 (type-locality: Venezuela, Río Palmar near Totuma about 100 km. southwest of Maracaibo; holotype and 103 paratypes, 66.6 mm SL)

Cochliodon pyrineusi A. de Miranda Ribeiro, 1920

Cochliodon pyrineusi A. de Miranda Ribeiro, 1920: 9, pls. 3-4 (type-locality: provavalmente Jamari; 260 mm)

* P. de Miranda Ribeiro, 1955: 399 (holotype listed)

PTERYGOPLICHTHYS Gill, 1858

Pterygoplichthys Gill, 1858: 408 (type-species, by subsequent designation of Bleeker, 1862a: 2, Pterygoplichthys duodecimalis sensu Gill = Hypostomus duodecimalis Valenciennes, 1840 = Pterygoplich-

thys duodecimalis)

Liposarcus Günther, 1864: 238 (type-species, by subsequent designation of Jordan, 1919b: 332, Hypostomus multiradiatus Hancock, 1828 = Pterygoplichthys multiradiatus)

Pterygoplichthys alternans (Regan, 1904)

A[ncistrus] multiradiatus var. alternans Regan, 1904: 229 (in subgenus Ancistrus; syntype-localities: Paraguay and Southern Bolivia; 3 syntypes)

Pterygoplichthys altipinnis (Günther, 1864)

Liposarcus altipinnis Günther, 1864: 239 (type-locality: River Cupai; holotype, 4½ inches)

Pterygoplichthys ambrosettii (Holmberg, 1893)

Liposarcus Ambrosettii Holmberg, 1893c: 354 (type-locality: el Rio Paraguay, al pié de Formosa)

Pterygoplichthys anisitsi Eigenmann & Kennedy, 1903

Pterygoplichthys anisitsi Eigenmann & Kennedy, 1903: 503-504 (type-locality: Laguna of the Rio Paraguay at Asuncion; holotype and 2 paratypes, 420 mm)

Pterygoplichthys barbatus (Steindachner, 1911)

Ancistrus barbatus Steindachner, 1911c: 378 † (type-locality: Rio Tapajós at Vila Braga)

Pterygoplichthys brevitentaculatus (Ranzani, 1842)

Hypostomus brevitentaculatus Ranzani, 1842: 328 † (only a reference found in Eigenmann & Eigenmann, 1890: 428, in the synonymy of Pterygoplichthys etentaculatum)

Pterygoplichthys duodecimalis (Cuvier & Valenciennes, 1840)

Hypostomus duodecimalis Cuvier & Valenciennes, 1840: 498-500 (Paris ed.) : 367-369 (Strasbourg ed.) (type-locality: la rivière de Saint-François au Brésil; holotype, 16 inches)

- * Regan, 1904: 226-227 (including the holotype)
- * Hypostoma duodecimale Cuvier MS (7-XI-1827), in Whitehead & Myers, 1971: 484, 493 & 494 (history)
- * I think it is justified to consider this species jointly named by Cuvier & Valenciennes.

Pterygoplichthys etentaculatus (von Spix, 1829)

Hypostoma etentaculatum von Spix, in von Spix & Agassiz, 1829: 7, pl. 4 figs. 1-2, pl. A fig. 4 (type-locality: in Brasiliae septentrionalis fluviis; holotype, 16 inches)

- * The holotype was destroyed in World War II (Dr F. Terofal, pers. comm)

Pterygoplichthys gibbiceps (Kner, 1854)

Anc[istrus] gibbiceps Kner, 1854b: 284-285, pl. 5 fig. 2 (type-locality Rio negro bei Marabitanos; holotype, 20½ inches TL)

- * Regan, 1904: 227 (including the holotype of Liposarcus altipinnis?)

Pterygoplichthys jeansianus (Cope, 1874)

Liposarcus jeansianus Cope, 1874: 135-136 (type-locality: Nauta, Peru; 2 syntypes, 305 mm SL, 400 mm TL)

- * Fowler, 1915a: 233-234 (the 2 syntypes, listed)

Pterygoplichthys juvenis Eigenmann & Kennedy, 1903

Pterygoplichthys juvenis Eigenmann & Kennedy, 1903: 504 (type-locality Asuncion, Rio Paraguay; holotype, 40 mm)

Pterygoplichthys lituratus (Kner, 1854)

Anc[istrus] lituratus Kner, 1854b: 285-286, pl. 5 fig. 3 (type-locality Rio Guaporé bei Cidade do Matogrosso; 5 syntypes, 2 females and 3 males, 16½ inches TL)

Loricaria liturata Natterer, in Kner, 1854b: 285 (name published in synonymy)

Pterygoplichthys longimanus (Kner, 1854)

Anc[istrus] longimanus Kner, 1854b: 283-284, pl. 5 fig. 1 (type-locality: unknown; 2 syntypes, 17 inches TL; collected by Natterer)

Hyp[ostomus] longimanus Heckel, in Kner, 1854b: 283 (name published in synonymy)

Pterygoplichthys multiradiatus (Hancock, 1828)

Hypostomus multiradiatus Hancock, 1828: 246-247 (type-locality:
Demerara; 8 inches)

* Regan, 1904: 228-229 (including the types of the species)

Pterygoplichthys parananus Peters, 1881

Pterygoplichthys (Ancistrus) parananus Peters, 1881 †

* Fowler, 1954: 375 (reference, in Bibliography)

Pterygoplichthys pardalis (de Castelnau, 1855)

Hypostomus pardalis de Castelnau, 1855: 42, pl. 20 fig. 3 (type-locality
l'Amazone; holotype only, 390 mm TL)

* Regan, 1904: 228-229 (including the holotype)

Pterygoplichthys punctatus (Natterer, 1854)

Loricaria punctata Natterer, in Kner, 1854b: 281-283 (name published
in synonymy of Anc[istrus] duodecimalis ? sensu Kner; Hyp[ostoma]
etentaculatum Spix also listed as a doubtful synonym; locality:
S. Vicente, ...aus einer Lache; 1 specimen, male?, 11½ inches TL)

Pterygoplichthys punctatus Natterer, in Günther, 1864: xvii (author-
ship), : 251-252 (validation of Loricaria punctata Natterer, 1854;
type-locality: S. Vicente, ...aus einer Lache; holotype, 11½ inches
TL)

Pterygoplichthys scrophus (Cope, 1874)

Liposarcus scrophus Cope, 1874: 136-137 (type-locality: Nauta, Peru;
2 syntypes, 298 mm SL, 370 mm TL)

Pterygoplichthys undecimalis (Steindachner, 1878)

Chaetostomus undecimalis Steindachner, 1878a: 90 (diagnosis), - Stein-
dachner, 1878b: 43-45 (pp. 27-29 of reprint), pl. 8 (type-locality:
der grossen, seeartig ausgebreiteten Cienega, welche der Magdalenen-
Strom mit einem seiner östlich gelegenen Hauptarme kurz vor seiner
Mündung in das Meer bildet; syntypes, 270 mm)

Pterygoplichthys varius (Cope, 1872)

Liposarcus varius Cope, 1872: 284-285 (syntype-localities: Ambyiacu

River, and between the mouth of the Rio Negro and the Peruvian Amazon or Ucayale River; syntypes, 180 mm)

★ Fowler, 1915a: 233 (3 syntypes, as "type" and 2 "paratypes", listed)

A N C I S T R I N A E Kner, 1853

Ancistri Kner, 1853b: 282, - Kner, 1854b: 255 & 256 (type-genus, Ancistrus Kner, 1854)

Lictores Kner, 1853b: 282, - Kner, 1854b: 255 & 256 (alternative name)

Chaetostomidi Fowler, 1958: 14 (type-genus, Chaetostoma von Tschudi, 1845)

includes Ancistrini
Acanthicini
Pseudacanthicini

A N C I S T R I N I Kner, 1853

reference as for the subfamily

includes Lasiancistrus
Dolichancistrus
Cordylancistrus
Hemiancistrus
Megalancistrus
Peckoltia
Monistiancistrus
Parancistrus
Hypocolpterus
Chaetostoma
Leptoancistrus
Lipopterichthys
Ancistrus
Panaque

LASIANCISTRUS Regan, 1904

Lasiancistrus Regan, 1904: 194 & 224 (subgenus of Ancistrus Kner, 1854; original diagnosis in key on p. 224; type-species, by subsequent designation of Eigenmann, 1910: 409, Ancistrus (Lasiancistrus) heteracanthus = Chaetostomus heteracanthus Günther, 1869 = Lasiancistrus heteracanthus)

Lasiancistrus carnegiei (Eigenmann, 1916)

Pseudancistrus carnegiei Eigenmann, 1916: 85-86 (type-locality: Rio San Gil, Santander, Río Magdalena system; holotype and 2 paratypes,

82 mm SL, 110 mm TL; also 9 paratypes from Quebrada de Honda, Santander, Colombia)

★ **Eigenmann, 1922: 79-80, fig. 18, pl. 10 fig. 3 (holotype, 11 paratypes)**

Lasiancistrus caucanus Eigenmann, 1912

Lasiancistrus caucanus Eigenmann, 1912b: 11 (type-locality: Cartago, Río Cauca system; holotype and 8 paratypes, 175 mm)

★ **Eigenmann, 1922: 76, pl. 11 figs. 4-5 (holotype, 8 paratypes, and additional specimens)**

Lasiancistrus daguae (Eigenmann, 1912)

Hemiancistrus daguae Eigenmann, 1912b: 11 (type-locality: Caldas, a division of Colombia; holotype and 34 paratypes, 95 mm; 8 paratypes from Cisnero = Cisneros, 06°32' N, 75°04' W, Río Magdalena system)

★ **Eigenmann, 1922: 78 & 223, pl. 12 figs. 1-2 (holotype and 42 paratypes)**

Lasiancistrus fuessli (Steindachner, 1911)

Ancistrus füssli Steindachner, 1911c: 373 + (type-locality: Sosomoco, eastern Colombia)

Lasiancistrus genisetiger (Fowler, 1941)

Pseudancistrus genisetiger Fowler, 1941b: 155-157, figs. 59-61 (type-locality: Rio Jaguaribe, Orós, Ceará; holotype, 145 mm)

Lasiancistrus guacharote (Valenciennes, 1840)

Hypostomus guacharote Valenciennes, in Cuvier & Valenciennes, 1840: 508-510 (Paris ed.), : 375-376 (Strasbourg ed.) (type-locality: les eaux douces de Porto-Ricco; syntypes, 5 inches)

★ **Regan, 1904: 238-239 ("type of the species"; The occurrence of this species at Porto Rico is remarkable and requires confirmation)**

Lasiancistrus heteracanthus (Günther, 1869)

Chaetostomus heteracanthus Günther, 1869: 425-426, figs. 3-4 (type-locality: Upper Amazons, Peruvian Amazons; holotype, 7½ inches)

★ **Regan, 1904: 237 (holotype)**

Lasiancistrus maracaiboensis Schultz, 1944

Lasiancistrus maracaiboensis Schultz, 1944a: 314-317, pl. 11 A-B, table 20 (type-locality: Rio Socuy, 3 km. above its mouth, Venezuela; holotype and 339 paratypes, 119 mm)

Lasiancistrus mayoloi (Eigenmann, 1912)

Hemiancistrus mayoloi Eigenmann, 1912b: 10-11 (type-locality: Istmina, 05°11' N, 76°39' W, along the Río San Juan; holotype and 5 paratypes, 125 mm)

★ Eigenmann, 1922: 76-77, pl. 11 figs. 6-7 (holotype and 5 paratypes)

Lasiancistrus multispinis (Holly, 1929)

Ancistrus multispinis Holly, 1929: 119-120 (type-locality: Mercado Blèin, Brasilien; holotype, 148 mm TL)

★ Ancistrus multispinis Holly, 1929 is a junior primary homonym of Ancistrus multispinis (Regan, 1912). According to Article 59(b)(ii) of the Amendments to the ICZN (1974), it is not to be rejected, since both taxa are no longer considered congeneric.

Lasiancistrus mystacinus (Kner, 1854)

Anc[istrus] mystacinus Kner, 1854b: 276-277 (type-locality: Carracas; holotype, 4 one third inches TL)

★ Steindachner, 1882a: 125 (holotype)

Lasiancistrus nationi Fernández Yépez, 1972

Lasiancistrus nationi Fernández Yépez, 1972: 23-24, pl. 23 (type-locality: Venezuela, la estación No. 140 del Complejo Hidrográfico (4), Rio Yaracuy; holotype and 9 paratypes, paratypes also from station No. 118, 142 mm SL)

Lasiancistrus niger (Norman, 1926)

Hemiancistrus niger Norman, 1926: 96-97 (type-locality: Oyapock River at Sant Cafoseca, French Guiana; 5 syntypes, 200 mm TL)

Lasiancistrus papariae (Fowler, 1941)

Pseudancistrus papariae Fowler, 1941b: 157-158, figs. 63-65 (type-loc-

ality: Lago Papary, Rio Grande do Norte; holotype and 2 paratypes;
2 paratypes from Rio Jaguaribe, Orós, Ceará; 144 mm)

Lasiancistrus pictus (de Castelnau, 1855)

Hypostomus pictus de Castelnau, 1855: 44-45, pl. 22 fig. 2 (type-locality: l'Ucayale; holotype, 110 mm)

Hemiancistrus castelnaui A. de Miranda Ribeiro, 1911: 58 (substitute name for Hypostomus pictus de Castelnau, 1855, at the time considered to be congeneric with Ancistrus pictus Kner, 1854)

★ Regan, 1904: 237-238 (holotype)

Lasiancistrus planiceps (Meek & Hildebrand, 1913)

Ancistrus planiceps Meek & Hildebrand, 1913: 79 (type-locality: Rio Tuyra, Boca de Cupe, Panama; holotype, 198 mm)

★ Meek & Hildebrand, 1916: 253-254 (31 specimens from the Rio Tuyra Basin, up to 235 mm; 4 paratypes of Lasiancistrus caucanus, comparison)

Lasiancistrus schomburgkii (Günther, 1864)

Chaetostomus schomburgkii Günther, 1864: 245 (type-locality: British Guiana, probably the Essequibo River; 2 syntypes, 3½ inches)

★ Regan, 1904: 233-234 (the 2 syntypes)

Lasiancistrus setosus (Boulenger, 1887)

Chaetostomus setosus Boulenger, 1887b: 349 † (type-locality: Colombia; 2 syntypes)

★ Regan, 1904: 239, pl. 12 fig. 2 (the 2 syntypes, 115 mm TL)

Lasiancistrus snethlageae (Steindachner, 1911)

Ancistrus snethlageae Steindachner, 1911b: 328-329 (pp. 4-6 of reprint) (type-locality or syntype-localities: Rio Tapajoz bei Villa Braga und Goyana; 2 syntypes, 150 mm)

Lasiancistrus trinitatis (Günther, 1864)

Chaetostomus trinitatis Günther, 1864: 246 (based upon Ancistrus guacharote sensu Gill, 1858: 409-410; type-locality: Trinidad; syntypes, 4 or 5 inches)

* Regan, 1904: 238 (footnote; the examples which Gill recorded from Trinidad could not be found. Therefore it is still uncertain whether or no the species C. trinitatis is valid)

Lasiancistrus volcanensis Dahl, 1941

Lasiancistrus volcanensis Dahl, 1941: 83-85, figs. 3-4 (type-locality Rio Volcán near its junction to Rio San Bartolomé; holotype, 79 mm SL)

In addition, there are two undescribed species of Lasiancistrus which will be published by Heitmans, Nijssen & Isbrücker.

DOLICHANCISTRUS n. gen.

Type-species, Dolichancistrus pediculatus = Pseudancistrus pediculatus Eigenmann, 1917.

Dolichancistrus appears to be related to Lasiancistrus, but is easily distinguished by the presence of some very long interopercular odontodes, extending much beyond the head in the adult male. The largest known specimen is a paratype of Dolichancistrus pediculatus: 120 mm (probably TL). Further characters of this genus can be found in the descriptions and illustrations of the three species assigned to it.

The generic name is from the Greek 'dolichos' meaning long, and from the generic name Ancistrus (from the Greek ἀγκίστρον -agchistron or agkhistron- meaning barbed hook), an allusion to the long interopercular odontodes.

Dolichancistrus atratoensis (Dahl, 1960)

Pseudancistrus atratoensis Dahl, 1960: 455-459, illustrations of the holotype and the allotype on p. 456 and 457, respectively (type-locality: western Colombia, Quebrada La Noche, tributary to the upper Atrato, approximate height above sea level 550 m; holotype, allotype and 'Paratypes: 41, same local and date. 7, Quebrada La 16, aprox. 80 m. higher altitude, collected August 11th, 1959.'; 82 mm SL)

Dolichancistrus cobrensis (Schultz, 1944)

Pseudancistrus pediculatus cobrensis Schultz, 1944a: 299-301, pl. 9 A-B, table 16 (type-locality: Río Cobre, tributary to Río Quinta, latter tributary to Río La Grita, below La Grita, Catatumbo system, Maracaibo Basin, Venezuela; holotype and 4820 paratypes, 79 mm SL)

Dolichancistrus pediculatus (Eigenmann, 1917)

Pseudancistrus pediculatus Eigenmann, 1917: 679 (type-locality: Rio Negro, Villavicencio, Río Meta system; holotype and 1 paratopotype; 6 paratypes from Villavicencio; 10 paratypes from Quebrada Cramalote, Villavicencio; 3 paratypes from Barrigona, Río Meta, and 7 paratypes from Tengavita)

* Eigenmann, 1922: 78-79, 224, fig. 17, pl. 10 fig. 4, pl. 12 fig. 3 (holotype, 27 paratypes, and additional specimens; illustrations of the holotype and of a specimen from Quebrada Cramalote)

CORDYLANCISTRUS n. gen.

Type-species, Cordylancistrus torbesensis = Pseudancistrus torbesensis Schultz, 1944.

Cordylancistrus seems related to Lasiancistrus, from which it can easily be distinguished by its exceptionally wide head. The mouth is also wide and reminds of the mouth of a Chaetostoma. Cordylancistrus torbesensis, the only member of this genus, reaches a recorded SL of only 64.6 mm. For further characters, I refer to the original description of this species.

Cordylancistrus is from the Greek 'kordyle' (Latin: cordylo) meaning club, swelling, and from the generic name Ancistrus; it alludes to the wide head of its type-species.

Cordylancistrus torbesensis (Schultz, 1944)

Pseudancistrus torbesensis Schultz, 1944a: 296-299, pl. 8 C-D, table 16 (type-locality: Venezuela, 1 km. above Táriba, 07°48' N, 72°10' W, in the Río Torbes, Orinoco system; holotype and 174 paratypes, 64.6 mm SL)

HEMIANCISTRUS Bleeker, 1862

Hemiancistrus Bleeker, 1862a: 2, - Bleeker, 1863: 78 (type-species, by original designation and monotypy, Hemiancistrus medians = Ancistrus medians Kner, 1854)

Hemiancistrus annectens (Regan, 1904)

Ancistrus annectens Regan, 1904: 225, pl. 11 fig. 2 (in subgenus Ancistrus; syntype-localities: N. W. Ecuador, St. Javier and the Rio Durango; 2 syntypes, 280 mm TL)

Hemiancistrus aspidolepis (Günther, 1866)

Chaetostomus aspidolepis Günther, 1866: 603 † (type-locality: Veragua, Pacific slope -northeastern- Panama; holotype, a skin, 280 mm), - Günther, 1869a: 477 † (holotype)

★ Regan, 1904: 230-231 (holotype)

★ Hildebrand, 1938: 237-238 (discussion). Hildebrand regards Chaetostomus aspidolepis as synonymous with Plecostomus plecostomus panamensis, though he accepts the latter name (published in 1922). If Hildebrand proves to be right, Hypostomus panamensis should be named Hypostomus aspidolepis (Günther, 1866).

Hemiancistrus braueri Eigenmann, 1912

Hemiancistrus braueri Eigenmann, 1912a: 232-233, pl. 28 figs. 1-2 (type-locality: British Guiana, Takutu?; holotype and 1 paratype, 120 mm; same specimens as of Hypostomus itacua sensu Müller & Troschel, in Schomburgk, 1848: 631)

★ Kner, 1854b: 254 (footnote; actually about the future type-specimens of Hemiancistrus braueri)

Hemiancistrus fugleri Ovchynnyk, 1971

Hemiancistrus fugleri Ovchynnyk, 1971: 108-110, figs. 12-15 (type-locality: Ecuador, Province Esmeraldas, Rio Bogota, Parroquia Cadondelet, 78°45' west longitude, 1°6' north latitude; holotype, 91 mm SL)

Hemiancistrus hammarlundi Rendahl, 1937

Hemiancistrus hammarlundi Rendahl, 1937: 2-4, fig. 1 (type-locality: Ecuador, syst. Rio de Clementina, nw von Babahoyo; holotype, 71 mm "s.c.")

Hemiancistrus holostictus Regan, 1913

Hemiancistrus holostictus Regan, 1913b: 469 (type-locality: the Condoto, a tributary of the San Juan, a river of the Pacific slope in S. W. Colombia; holotype, 180 mm TL)

Hemiancistrus itacua (Valenciennes, 1840)

Hypostomus itacua Valenciennes, in Cuvier & Valenciennes, 1840: 505-506 (Paris ed.), : 373 (Strasbourg ed.) (type-locality: des affluens de la Plata; syntypes, 4 inches)

- * Valenciennes, in d'Orbigny, 1847: 8, pl. 7 fig. 1 (illustration of a syntype)
- * According to Regan (1904: 235) the syntypes he examined are Plecostomus commersonii (now Hypostomus commersonii), whereas he had little doubt that the species described and figured is closely allied to Chaetostomus megacephalus (now Hemiancistrus megacephalus) and may be identical with it. For zoogeographical reasons it is unlikely —though not to be excluded— that H. itacua and H. megacephalus are conspecific.

Hemiancistrus landoni Eigenmann, 1916

Hemiancistrus landoni Eigenmann, 1916: 84-85 (type-locality: Naranjito, Ecuador; holotype, 255 mm TL)

- * Eigenmann, 1922: 72-73, pl. 9 fig. 3, pl. 10 fig. 2 (holotype)

Hemiancistrus macrops (Lütken, 1874)

Chaetostomus macrops Lütken, 1874b: 209-211, - Lütken, 1875a: 26 (type-locality: Surinam, and probablement de Surinam; holotype, 5 $\frac{3}{4}$ inches)

- * Steindachner, 1882a: 124-125, pl. 5 figs. 3, 3a (holotype, almost 100 mm SL, 130 mm TL)
- * Nielsen, 1974: 52 (holotype listed; Surinam)

See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Hemiancistrus maracaiboensis Schultz, 1944

Hemiancistrus maracaiboensis Schultz, 1944a: 317-320, pl. 10 C, table 21 (type-locality: Venezuela, near the mouth of the Río Concha in Lago Maracaibo; holotype and 3 paratypes, 285 mm SL)

Hemiancistrus medians (Kner, 1854)

Anc[istrus] medians Kner, 1854b: 256 & 281 (no locality; type-material poorly indicated)

- * Unfortunately, this important species is originally poorly described; the holotype or syntypes is (are) (still?) in the Stuttgart Museum. Günther (1864: 242) states that: "M. Kner saw his specimens in the Stuttgart Collection, which received them from the same source as the British Museum", viz., they were purchased of Mr Kappler. This implies that Surinam would be the type-locality.
- * Regan (1904: 230) described the same specimens as Günther (1864: 242) Although they are topotypes at the most, they seem up till now have served as the reference specimens to define Hemiancistrus medians.

Hemiancistrus megacephalus (Günther, 1868)

Chaetostomus megacephalus Günther, 1868a: 476-477 (type-locality: Surinam), - Günther, 1868b: 232-233 (probably from Surinam; holotype, male, 6 inches)

- * Regan, 1904: 234-235 (including the holotype)

Hemiancistrus platycephalus (Boulenger, 1898)

Chaetostomus platycephalus Boulenger, 1898b: 12-13 (type-locality: Rio Bomboize, Equateur oriental; 2 syntypes, 145 mm TL)

- * Regan, 1904: 235, pl. 12 fig. 4 (a syntype?)
- * Tortonese, 1940: 137 (a type-specimen from Rio Bomboiza, Ecuador)

Hemiancistrus wilsoni Eigenmann, 1916

Hemiancistrus wilsoni Eigenmann, 1916: 678-679 (type-locality: Truando; holotype and 7 paratypes, 133 mm)

- * Eigenmann, 1922: 74, pl. 9 fig. 5, pl. 10 fig. 1 (holotype, 7 paratypes, and a topotype, 325 mm)

MEGALANCISTRUS n. gen.

Type-species, Megalancistrus gigas = Chaetostomus gigas Boulenger, 1895.

Megalancistrus appears to be related to Hemiancistrus, but differs in having more numerous branched dorsal fin rays: 10 in Megalancistrus against 7 in all Hemiancistrus species except H. platycephalus and H. braueri, which have 8 branched dorsal fin rays.

Another distinction of Megalancistrus is its exceptionally great dimensions: e.g., the holotype of Megalancistrus gigas is 530 mm TL.

The generic name is from the Greek 'megale' meaning large, and from the generic name Ancistrus, and alludes to the size of the known species of this genus.

Megalancistrus aculeatus (Perugia, 1891)

Chaetostomus aculeatus Perugia, 1891: 637-638 (pp. 37-38 of reprint)

(type-locality: Asuncion, Rio Paraguay; holotype)

★ Tortonese, 1963: 311 (holotype listed)

Megalancistrus barrae (Steindachner, 1910)

Ancistrus barrae Steindachner, 1910a: 58-60 (pp. 2-4 of reprint) (type-locality: Rio San Francisco bei Barra; 2 syntypes, male & female, 480 mm TL)

Megalancistrus gigas (Boulenger, 1895)

Chaetostomus gigas Boulenger, 1895: 526 (type-locality: Paraguay; holotype, 530 mm TL), - Boulenger, 1896: 30-31, pl. 6 (holotype)

★ Regan, 1904: 230 (holotype)

★ This species has often been synonymized with Megalancistrus aculeatus, as far as I can see, on the basis of a comparison of the descriptions. Possibly this synonymy was rightly proposed, but I prefer to await a direct comparison of the respective holotypes. I have seen the holotype of Megalancistrus gigas, an impressive specimen.

PECKOLTIA A. de Miranda Ribeiro, 1912

Peckoltia A. de Miranda Ribeiro, 1912: 7 (type-species, by virtual monotypy —and accepted as such by Gosline, 1945: 85— Peckoltia vittata = Chaetostomus vittatus Steindachner, 1882)

Peckoltichthys A. de Miranda Ribeiro, 1917: 49 (substitute name for Peckoltia, presumed to be pre-occupied in Botany, as evidenced by A. de Miranda Ribeiro, 1920: 9-10; Peckoltichthys filicaudatus A. de Miranda Ribeiro, 1917, described as a new and the only species, and therefore considered to be the type-species, by monotypy. In my opinion, Peckoltia vittata = Chaetostomus vittatus Steindachner, 1882 is the type-species of Peckoltichthys)

A. de Miranda Ribeiro (1912: 7) established the genus Peckoltia, listing specimens of Peckoltia vittata (Steindachner), and stating: "A obtenção de Hemiancistrus scaphyrhynchus (Kner), obriga-me a deixar á este ultimo peixe, sómente, o genero Hemiancistrus, ficando os demais da minha chave da pag. 54 do tomo IV(A) dos Peixes [1911] n'um genero novo que aqui chamo Peckoltia e cujos caracteres darei opportunamente." In the key he refers to, A. de Miranda Ribeiro distinguishes between 6 species, assigned to Hemiancistrus: 1) H. scaphirhynchus, 2) H. pictus (Kner, 1854), 3) H. vittatus, 4) H. oligospilus, 5) H. bachi, and 6) H. niveatus. Except for the last of these (assigned to Parancistrus), they are herein referred to Peckoltia.

A. de Miranda Ribeiro (1917: 49) described a new species, Peckoltichthys filicaudatus; between the generic and the specific name he referred to a footnote, reading: "Peixes (excl. Characidae). Ann. 5. Comm. Rondon videntur." This concerns the reference to an at the time unpublished paper, which appeared in 1920. Apparently, there has been delay in the publication, since under the author's name on the title-page (1920) "Revisão do autor" is added.

Peckoltichthys is further defined (A. de Miranda Ribeiro, 1920: 9-10) as a substitute name for Peckoltia ["...typo

Hemiancistrus vittatus (Steind.)"], thus taking the same type-species, "Peckoltia, porém já está ocupado na família das Asclepiadaceas, ..." However, this Peckoltia is a taxon in Botany, and does not pre-occupy A. de Miranda Ribeiro's proposal of Peckoltia as a genus of fishes. If A. de Miranda Ribeiro had neglected the generic name Peckoltia in Botany, he would have described Peckoltichthys filicaudatus as Peckoltia filicaudata. Therefore, in my opinion, Peckoltichthys is an unnecessary substitute name for and a junior synonym of Peckoltia A. de Miranda Ribeiro, 1912.

Peckoltichthys kuhlmanni A. de Miranda Ribeiro, 1920 is not the type-species of the genus "Peckoltichthys Ribeiro, 1920", as indicated by Fowler (1954: 170); it concerns just an additional species of the genus. The designation of Peckoltichthys filicaudatus as the type-species, by monotypy, of Peckoltichthys A. de Miranda Ribeiro, 1917 (as indicated by Fowler, 1954: 154) seems to me to be against the clear intention of A. de Miranda Ribeiro, in spite of the delay in the publication of his 1920 article.

A. de Miranda Ribeiro (1920: 10) records "D. 17" for Peckoltichthys, but I am (almost) certain that this should read: D. I,7.

Contrary to A. de Miranda Ribeiro's opinion, Hemiancistrus medians is the type-species of Hemiancistrus. Whether Peckoltia scaphyrhyncha is distinct at generic level from Peckoltia vittata is hard to tell without a direct comparison of the two species and their relatives. I believe that Peckoltia merits to be accepted, the genus containing those species which are characterized by the distinctly rugose posterior lateral body scutes, a limited maximum size, and a usually distinct colour pattern. The assignment of various species to this genus is based on consultation of descriptions and illustrations only.

Peckoltia albocincta (Ahl, 1936)

Hemiancistrus albocinctus Ahl, 1936: 111 (type-locality: Umgebung von Rio de Janeiro; holotype, 56 mm TL, aquarium specimen)

* Arnold & Ahl, 1936: 272 (illustration, specimen of about 80 mm)

Peckoltia arenaria (Eigenmann & Allen, 1942)

Hemiancistrus arenarius Eigenmann & Allen, 1942: 185-186, pl. 6 fig. 2 (type-locality: Peru, Yurimaguas at Río Huallaga, 05°54' S, 76°07' W; holotype and 1 paratopotype, and 1 paratype from Alto Marañon, below Pastaza, 1 paratype from Amazon, Iquitos, 123 mm)

Peckoltia bachi (Boulenger, 1898)

Chaetostomus bachi Boulenger, 1898a: 425, pl. 41 (type-locality: Rio Jurua, Brazil; holotype, 110 mm TL)

* Regan, 1904: 233 (holotype)

Peckoltia brachyura (Kner, 1854)

A[ncistrus] brachyurus Kner, 1854b: 279-280, pl. 4 fig. 1 (type-locality: Barra do Rio Negro; holotype, 6 inches TL)

* van der Stigchel, 1946 & 1947: 150-151 (a specimen collected by Natterer, topotype?)

Peckoltia brevis (La Monte, 1935)

Hemiancistrus brevis La Monte, 1935: 3, fig. 2 (type-locality: Rio Purus, collected in the vicinity of the mouth of the Rio Macauhan, a tributary of Rio Yacu, which, in turn, is a tributary of Rio Purus, 69° W, 9°20' S; holotype, 91 mm SL)

Peckoltia caquetae (Fowler, 1945)

Hemiancistrus caquetae Fowler, 1945c: 115-116, figs. 17-20 (type-locality: Morelia, Rio Caquetá drainage, Colombia; holotype, 50 mm)

Peckoltia filicaudata (A. de Miranda Ribeiro, 1917)

Peckoltichthys filicaudatus A. de Miranda Ribeiro, 1917: 49 (type-locality: Fluvio Solimões; holotype, 140 mm)

* P. de Miranda Ribeiro, 1955: 401 (holotype, listed)

Peckoltia kuhlmanni (A. de Miranda Ribeiro, 1920)

Peckoltichthys kuhlmanni A. de Miranda Ribeiro, 1920: 10, pl. 5 (type-locality: Tapajoz; 2 syntypes, 120 mm)

★ P. de Miranda Ribeiro, 1955: 401 (designation of the lectotype)

Peckoltia niveata (La Monte, 1929)

Plecostomus niveatus La Monte, 1929: 3-4, figs. 2-3 (type-locality: Cano Pescado, about five miles north of Esmeralda, at an elevation of 325 feet, upper Orinoco drainage, neighbourhood of Mt. Duida, Venezuela; holotype, 82 mm SL, 105 mm TL)

Peckoltia oligospila (Günther, 1864)

Chaetostomus oligospilus Günther, 1864: 244-245 (type-locality: Rio Capin; holotype, 5 inches; in subgenus Ancistrus)

★ Regan, 1904: 232, pl. 12 fig. 1 (holotype)

Peckoltia picta (Kner, 1854)

Anc[istrus] pictus Kner, 1854b: 277-279, pl. 4 fig. 2 (type-locality: Barra do Rio negro; 5 syntypes, 5 one third inches TL)

Peckoltia platyrhyncha (Fowler, 1943)

Hemiancistrus platyrhynchus Fowler, 1943a: 252-253, figs. 36-39 (type-locality: Florencia, 01°37' N, 75°37' W, Rio Orteguaza, Rio Caqueta system; holotype and 3 paratypes, the latter from Colombia without further data, 95 mm)

Peckoltia pulcher (Steindachner, 1915)

Aneistrus (Hemiancistrus) pulcher Steindachner, 1915b: 219 (pp. 2-3 of reprint) (type-locality: Rio negro bei Moura, 01°32' S, 61°38' W)
Ancistrus (Hemiancistrus) pulcher; Steindachner, 1915c: 89-90 (pp. 75-76 of reprint), pl. 11 figs. 1-2 (holotype, 41 mm SL, 55 mm TL; Mündung des Rio Negro bei Moura)

Peckoltia salgadae (Fowler, 1941)

Ancistrus salgadae Fowler, 1941b: 154-155, figs. 56-58 (type-locality: Rio Salgade, Icó, 06°25' S, 38°50' W; holotype, 29 mm)

Peckoltia scaphyrhyncha (Kner, 1854)

Anc[istrus] scaphyrhynchus Kner, 1854b: 280-281, pl. 3 fig. 2 (type-locality: Barra do Rio negro; 4 syntypes, 2 of which are females, 8 inches TL)

Peckoltia ucayalensis (Fowler, 1940)

Hemiancistrus ucayalensis Fowler, 1940a: 235-236, figs. 24-25 (type-locality: Ucayali River, Contamana, 07°19' S, 75°04' W, Peru; holotype and 2 paratypes, 124 mm)

Peckoltia vermiculata (Steindachner, 1908)

[Ancistrus vittatus] var. vermiculata Steindachner, 1908b: 165-166 (type-locality, or syntype-localities: dem mittleren Laufe des Amazonenstromes, and/or den Gewässern um Pará; syntypes, 140 mm)

Peckoltia vittata (Steindachner, 1882)

Chaetostomus vittatus Steindachner, 1882a: 115-117, pl. 2 figs. 5, 5a (syntype-localities: Amazonen-Strom, Tajapouru, Xingu bei Porto do Moz, Rio Madeira; syntypes, 140 mm, 5 in NMW, more in MCZ)

* Eigenmann & Eigenmann, 1890: 421-422 (5 syntypes?)

Peckoltia yaravi (Steindachner, 1915)

Ancistrus (Hemiancistrus) yaravi Steindachner, 1915c: 87-89 (pp. 73-75 of reprint) (type-locality: dem Rio Coquenán, Venezuela; holotype, 47 mm SL, 59 or 60 mm TL)

MONISTIANCISTRUS Fowler, 1940

Monistiancistrus Fowler, 1940a: 236 (type-species, by original designation and monotypy, Monistiancistrus carachama Fowler, 1940)

Monistiancistrus carachama Fowler, 1940

Monistiancistrus carachama Fowler, 1940a: 238, figs. 26-27 (type-locality: Ucayali River basin, Contamana, Peru; holotype, 95 mm)

PARANCISTRUS Bleeker, 1862

Parancistrus Bleeker, 1862a: 2, - Bleeker, 1863: 79 (type-species,

by original designation and monotypy, Parancistrus aurantiacus = Hypostomus aurantiacus de Castelnau, 1855)

Acanthodemus de Castelnau, in Marschall, 1873: 63 (Latinization of "Acanthodèmes" de Castelnau, 1855; type-species, by subsequent designation of Jordan, 1919a: 264, Hypostomus aurantiacus de Castelnau, 1855 = Parancistrus aurantiacus)

Parancistrus aurantiacus (de Castelnau, 1855)

Hypostomus aurantiacus de Castelnau, 1855: 43, pl. 21 fig. 2 (type-locality: l'Ucayale; holotype, 240 mm TL)

★ Regan, 1904: 236-237 (including the holotype)

Parancistrus longipinnis (Kindle, 1895)

Hemiancistrus longipinnis Kindle, 1895: 255-256 (type-locality: Trocera on Tocantins; holotype, 200 mm)

Parancistrus nigricans (de Castelnau, 1855)

Hypostomus nigricans de Castelnau, 1855: 44, pl. 22 fig. 1 (type-locality: l'Amazone; holotype, 125 mm TL)

★ Regan, 1904: 236-237 (including the holotype)

Parancistrus niveatus (de Castelnau, 1855)

Hypostomus niveatus de Castelnau, 1855: 43-44, pl. 21 fig. 3 (type-locality: rio Araguay, de la province de Goyaz; holotype, 290 mm TL)

★ Regan, 1904: 235-236 ("types of the species", however, the R. Araguay specimen is the holotype)

Parancistrus punctatissimus (Steindachner, 1882)

Chaetostomus punctatissimus Steindachner, 1882a: 119-120, pl. 3 figs. 3, 3a (type-locality: Amazonen-Strome, ohne nähere Angabe des Fundortes; holotype, 135 mm)

Parancistrus vicinus (de Castelnau, 1855)

Hypostomus vicinus de Castelnau, 1855: 45, pl. 23 fig. 1 (type-locality l'Ucayale; holotype, 90 mm TL)

★ Regan, 1904: 236-237 (including the holotype)

HYPOCOLPTERUS Fowler, 1943

Hypocolpaterus Fowler, 1943a: 259 (type-species, by original designation and monotypy, Hypocolpaterus analis Fowler, 1943)

Hypocolpaterus analis Fowler, 1943

Hypocolpaterus analis Fowler, 1943a: 261, figs. 56-59 (type-locality: Florencia, Rio Orteguasa, Colombia; holotype, 320 mm)

CHAETOSTOMA von Tschudi, 1845

Chaetostoma von Tschudi, 1845: 25 (type-species, by original designation and monotypy, Chaetostoma loborhynchus von Tschudi, 1845)

Chaetostoma aequinoctiale Pellegrin, 1909

Chaetostomus aequinoctialis Pellegrin, 1909: 518 †, - Pellegrin, 1911: 2-3, pl. 1 (type-locality: Rio Pove, Santo Domingo de los Colorados, 560 m., Équateur, 00°13' S, 79°09' W; holotype, 72 mm SL, 94 mm TL)

Chaetostoma alternifasciatum Fowler, 1945

Chaetostoma alternifasciatum Fowler, 1945c: 116-118, figs. 21-24 (type-locality: Morelia, Rio Caquetá drainage, Colombia; holotype and 4 paratypes, 218 mm)

Chaetostoma anomalum Regan, 1903

Chaetostomus anomalus Regan, 1903: 599 (syntype-localities: Merida, Venezuela, altitude 1500 metres, and the Albirregas and Milla Rivers, above Merida, altitude 3500 metres; 235 syntypes, 160 mm TL), - Regan, 1904: 250, pl. 13 fig. 2 (235 syntypes; illustrated specimen without adipose fin)

Chaetostoma branickii Steindachner, 1882

Chaetostomus Branickii Steindachner, 1882a: 118, pl. 6 figs. 1, 1b (type-locality: Callacate, Peru; syntypes, 135 mm)

Chaetostoma brevilabiatum Dahl, 1942

Chaetostomus brevilabiatum Dahl, 1942: 80-81, figs. 1-2 (type-locality: Rio Volcán near its junction to Rio San Bartolomé, tributary to

Rio Magdalena on the left side, between Rios Nare and Ité, municipio of Remedios, department of Antioquia, Republic of Colombia; holotype, 119 mm SL)

Chaetostoma breve Regan, 1904

Chaetostomus brevis Regan, 1904: 247, pl. 13 fig. 3 (syntype-localities: the Bomboiza and Zamore Rivers, Eastern Ecuador; 6 syntypes, 200 mm TL)

- ★ Tortonese, 1940: 137 (2 specimens —paratipi— from Rio Bomboiza, and 13 specimens —paratipi— from Rio Zamora, Ecuador, listed; footnote: "Questi Chaetostomi erano stati determinati Ch. microps Gthr da Boulenger (Boll. Mus. Zool., Torino, XIII, 329, p. 12) e devono ritenersi paratipi della specie che Regan riconobbe in quelli delle medesime località rimasti al Museo Britannico.")

Chaetostoma dermorhynchum Boulenger, 1887

Chaetostomus dermorhynchus Boulenger, 1887a: 277, pl. 22 (type-locality: Canelos, Eastern Ecuador; 3 syntypes, 148 mm TL)

- ★ Regan, 1904: 248 (including the 3 syntypes)

Chaetostoma dorsale Eigenmann, 1922

Chaetostomus dorsalis Eigenmann, 1922: 226 (a new species described in a footnote to Chaetostomus anomalus sensu Eigenmann, 1922; it is the Chaetostoma anomalum with an adipose fin; type-locality: Quebrada Cramalote, Villavicencio; holotype, 2 paratopotypes, and 5 paratypes, 160 mm; paratypes from Villavicencio, Rios Albirregas and Milla, near Merida, and from northwestern Venezuela)

Chaetostoma dupouii Fernández Yépez, 1945

Chaetostoma dupouii Fernández Yépez, 1945: 27, figs. † (type-locality: Río Encantado into Río Grande of Río Tuy system, Venezuela)

Chaetostoma eptingi Fowler, 1941

Chaetostomus eptingi Fowler, 1941b: 158-160, figs. 66-68 (type-locality: Fortaleza, Ceará; holotype and 3 paratypes, 165 mm)

Chaetostoma fischeri Steindachner, 1879

Chaetostomus Fischeri Steindachner, 1879c: 150-151 (diagnosis; type-locality: Mamoni-Fluss), - Steindachner, 1879d: 162-163, pl. 4 (Mamoni-Fluss, Panama; at least 3 syntypes, 275 mm TL)

Chaetostoma furcatum Fowler, 1940

Chaetostomus furcatus Fowler, 1940a: 238-240, figs. 28-29 (type-locality: Ucayali River basin, Contamana, Peru; holotype, 127 mm)

Chaetostoma guairense Steindachner, 1882

Chaetostomus guairensis Steindachner, 1882a: 121-122, pl. 3 figs. 1, 1a (type-locality: dem Guaire bei Carácas; syntypes, 110 mm)

Chaetostoma lepturum Regan, 1912

Chaetostomus lepturus Regan, 1912: 667, pl. 75 fig. 1 (type-locality: Rio Tamana, Rio San Juan, Choco, S. W. Colombia; 3 syntypes, 215 mm TL)

Chaetostoma leucomelas Eigenmann, 1917

Chaetostomus leucomelas Eigenmann, 1917: 681 (type-locality: Rio Patia, halfway between the Rios Magui and Telembi; holotype and 2 paratypes, 143 mm)

★ Eigenmann, 1922: 84, pl. 12 figs. 5-6 (holotype and 2 paratypes)

Chaetostoma lineopunctatum Eigenmann & Allen, 1942

Chaetostoma lineopunctata Eigenmann & Allen, 1942: 192-193, pl. 6 fig. 1 (type-locality: Rio Azupizú; holotype and 1 paratype, 143 mm)

Chaetostoma loborhynchos von Tschudi, 1845

Chaetostoma loborhynchos von Tschudi, 1845: 26-29, pl. 4 figs. 1-6 (type-locality: dem Rio Tullumayo in der Montaña de Vitoc, am Ostabhang der Anden; 2 syntypes, 5 inches and 6 lines)

Chaetostoma machiquense Fernández Yépez & Martín Salazar, 1953

Chaetostoma machiquensis Fernández Yépez & Martín Salazar, 1953: 238-240, ill. of the holotype (type-locality: el Río Negro, a 16 Kms. oeste de

Machiques; holotype and 1 paratype, 65.7 mm SL)

Chaetostoma maculatum Regan, 1904

Chaetostomus maculatus Regan, 1904: 246, pl. 14 fig. 4 (type-locality: Rozmaiu, Upper Peru; 2 syntypes, 65 mm TL)

Chaetostoma marcapatae Regan, 1904

Chaetostomus marcapatae Regan, 1904: 246-247, pl. 14 fig. 1 (type-locality: the Marcapata Valley, E. Peru; holotype, 100 mm TL)

Chaetostoma marginatum Regan, 1904

Chaetostomus marginatus Regan, 1904: 249, pl. 13 fig. 1 (type-locality: Salidero, N. W. Ecuador; 3 syntypes, 190 mm TL)

Chaetostoma marmorescens Eigenmann & Allen, 1942

Chaetostoma marmorescens Eigenmann & Allen, 1942: 193-194 (type-locality: Huancachupa Creek near Huánuco, elevation 6000 feet; holotype and several paratopotypes, 3 paratypes from Rio Tingo, Huánuco, 135 mm)

Chaetostoma microps Günther, 1864

Chaetostomus microps Günther, 1864: 250 (type-locality: Andes of Western Ecuador; 7 syntypes, 3½ inches; in subgenus Ancistrus)

* Regan, 1904: 251, pl. 14 fig. 3 (including the 7 syntypes)

Chaetostoma milesi Fowler, 1941

Chaetostoma milesi Fowler, 1941a: 2 † (type-locality: Honda, Colombia, Orinoco River system, Venezuela)

Chaetostoma mollinasum Pearson, 1937

Chaetostomus mollinasus Pearson, 1937: 96, pl. 13 figs. 1-2 (syntype-localities: Balsas, 3500 feet, and Cajamarca, 9843 feet, Peru; 8 and 5 syntypes, respectively, 68 mm)

Chaetostoma niveum Fowler, 1944

Chaetostoma niveum Fowler, 1944: 238-240, figs. 14-16 (type-locality: clear water of Rio Jurubidá, Nuquí, Northwestern Colombia; holotype, 122 mm)

Chaetostoma nudirostre Lütken, 1874

Chaetostomus nudirostris Lütken, 1874b: 207-209, - Lütken, 1875a: 26
(type-locality: Valencia, Venezuela; holotype, 3½ or 3 two third
inches)

★ Steindachner, 1882a: 120-121, pl. 5 figs. 2, 2a (holotype, 95 mm TL)

★ Nielsen, 1974: 52 (holotype, listed)

See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Chaetostoma palmeri Regan, 1912

Chaetostomus palmeri Regan, 1912: 667, pl. 75 fig. 3 (type-locality:
Rio Tamana, Rio San Juan, Choco, S. W. Colombia; 2 syntypes, 95
mm TL)

Chaetostoma patiae Fowler, 1945

Chaetostoma patiae Fowler, 1945c: 118-121, figs. 25-28 (type-locality:
Rio Patia, at 3000 feet elevation, Pacific Slope of southwestern
Colombia; holotype and 1 paratype, 218 mm)

Chaetostoma paucispinis Regan, 1912

Chaetostomus paucispinis Regan, 1912: 667, pl. 75 fig. 2 (type-locality:
Tado, Rio San Juan, Choco, Colombia; holotype, 90 mm TL)

Chaetostoma pearsei Eigenmann, 1920

Chaetostomus pearsei Eigenmann, 1920: 8-9, fig. 3 pl. 2 (type-locality:
Venezuela, Rio Castaño at Maracay, under rocks; holotype and 3 para-
topotypes, 1 paratype from Rio Tuy at El Concejo, 146 mm)

Chaetostoma sericeum Cope, 1872

Chaetostomus sericeus Cope, 1872: 288-289 (type-locality: Ambiyacu
River = Ambiyacu or Ampiyacu River; 2 syntypes, 67 mm)

★ Fowler, 1915a: 234 (one of the syntypes, listed; not a species of
Xenocara)

Chaetostoma sovichthys Schultz, 1944

Chaetostoma anomala sovichthys Schultz, 1944a: 292-294, pl. 8 A-B, tables
14-15 (type-locality: Venezuela, near the bridge over the Río San

Pedro, a tributary of the Río Motatán, southeast of Mene Grande, in the Maracaibo Basin; holotype and 172 paratypes, 72.5 mm SL)

Chaetostoma stannii (Kröyer, 1874)

Hypostomus Stannii Kröyer, in Lütken, 1874b: 206-207, - Lütken, 1875a:

26 (MS-name, published as Chaetostomus Stannii; type-locality: Puerto Cabello, Venezuela; holotype, 7½ inches)

★ Steindachner, 1882a: 120, pl. 5 figs. 4, 4a (holotype, 205 mm TL)

★ Nielsen, 1974: 52 (holotype, listed)

See reference to Nielsen, 1974 under Hemipsilichthys gobio.

Chaetostoma taczanowskii Steindachner, 1883

Chaetostomus Taczanowskii Steindachner, 1883a: 177 (diagnosis; type-locality: Rio de Tortora), - Steindachner, 1883b: 23-25, pl. 5 figs. 2, 2a (Steindachner states: Ich glaube dieses kleine Exemplar, kaum 9 Ctm., aus dem Rio de Tortora von den beiden zuerst [= 1883b] beschriebenen grösseren Exemplaren, 14-17 Ctm., aus dem Huambo nicht spezifisch trennen zu dürfen; however, to me the smaller specimen must be the holotype, being earlier described)

Chaetostoma tachiraense Schultz, 1944

Chaetostoma tachiraensis Schultz, 1944: 288-291, pl. 7 figs. B-C, tables 14-15 (type-locality: Río Táchira 7 km. north of San Antonio, Estado de Táchira, Venezuela; holotype, 1 paratopotype, and 1 paratype from Colombia, Río Pamplonita, near Cucuta, Catatumbo system, Maracaibo Basin; 87 mm SL)

Chaetostoma thomsoni Regan, 1904

Chaetostomus thomsoni Regan, 1904: 250-251, pl. 14 fig. 2 (type-locality: Villeta, Colombia; 3 syntypes, 110 mm TL)

[? Chaetostoma trifasciatum Steindachner, 1902]

Chaetostomus trifasciatus Steindachner, 1902b †

★ I have only found a reference to this name, author, and date, but not to the publication, in Kähnsbauer, 1959: 15 (listed)

Chaetostoma vagum Fowler, 1943

Chaetostomus vagus Fowler, 1943a: 258-259, figs. 52-55 (type-locality: Florencia, Rio Ortegusa, Colombia; holotype and 1 paratopotype, and 2 paratypes from Villavicencio, Rio Meta basin, Colombia; 126 mm)

Chaetostoma venezuelae (Schultz, 1944)

Corymbophanes venezuelae Schultz, 1944c: 41-43, ill?, pl. 1 figs. 1-3 (type-locality: the Río Caripe, Caripito, Venezuela; holotype and 1 paratype, 72.5 mm SL)

★ I have not seen the illustrations of this species; however, my copy may be incomplete.

LEPTOANCISTRUS Meek & Hildebrand, 1916

Leptoancistrus Meek & Hildebrand, 1916: 254 (type-species, by original designation and monotypy, Leptoancistrus canensis = Acanthicus canensis Meek & Hildebrand, 1913)

Leptoancistrus canensis (Meek & Hildebrand, 1913)

Acanthicus canensis Meek & Hildebrand, 1913: 80 (type-locality: Rio Cana, Cana, Panama; holotype, 76 mm)

★ Meek & Hildebrand, 1916: 254-255, pl. 11 (52 specimens from 25 to 75 mm from small mountain streams near Cana in the upper Rio Tuyra Basin), - Hildebrand, 1938: 240 (known only from the type material)

LIPOPTERICHTHYS Norman, 1935

Lipopterichthys Norman, 1935: 627 (type-species, by original designation and monotypy, Lipopterichthys carrioni Norman, 1935)

Lipopterichthys carrioni Norman, 1935

Lipopterichthys carrioni Norman, 1935: 628-629, ill. of the holotype (type-locality: the Zamora River, near Loja, Ecuador; holotype and 4 paratypes, 78 mm TL)

ANCISTRUS Kner, 1854

Ancistrus Kner, 1854b: 272 (type-species, by subsequent designation of Bleeker, 1862a: 2, Ancistrus cirrhosus = Hypostomus cirrhosus

Valenciennes, 1840)

Xenocara Regan, 1904: 195 & 251-252 (type-species, by subsequent designation of Eigenmann, 1910: 405 & 410, Xenocara latifrons = Chaetostomus latifrons Günther, 1869 = Ancistrus latifrons)

Thysanocara Regan, 1906: 96 (as a subgenus of Xenocara; type-species, by virtual original designation, Xenocara (Thysanocara) cirrhosum = Hypostomus cirrhosus Valenciennes, 1840 = Ancistrus cirrhosus)

Pristiancistrus Fowler, 1945c: 121 (type-species, by original designation and monotypy, Pristiancistrus eustictus Fowler, 1945 = Ancistrus eustictus)

Ancistrus alga (Cope, 1872)

Chaetostomus alga Cope, 1872: 287, pl. 15 fig. 3 (type-locality: Ambiyacu River = Ambiyacu or Ampiyacu River; 2 syntypes, 165 mm TL)

* Fowler, 1915a: 234 (the 2 syntypes, listed)

Ancistrus baudensis Fowler, 1945

Ancistrus baudensis Fowler, 1945c: 122-123, figs. 33-36 (type-locality: Alto Rio Baudó, Pacific Slope at 3000 feet elevation; holotype, 270 mm)

Ancistrus bodenhameri Schultz, 1944

Ancistrus brevifilis bodenhameri Schultz, 1944a: 305-307, pl. 10 A, table 18 (type-locality: Río San Pedro at the bridge south of Mene Grande, Motatán system, Venezuela; holotype and 136 paratypes, 65 mm SL)

Ancistrus bolivianus (Steindachner, 1915)

Xenocara boliviana Steindachner, 1915c: 95-97 (pp. 81-83 of reprint), pl. 9 figs. 5-6 (type-locality: Rio Songo, Nord Yungas, Bolivia, at least 4 syntypes, 58 mm SL, 74 mm TL; originally described as: "Xenocara bufonia (C. V.) Regan, juv.? an Xenocara boliviana n. sp.")

Ancistrus brevifilis Eigenmann, 1920

Ancistrus brevifilis Eigenmann, 1920: 7-8, fig. 2 pl. 1 (type-locality: Venezuela, El Concejo, Rio Tiquirito; holotype, 2 paratypes, 150 mm)

Ancistrus brevipinnis (Regan, 1904)

Xenocara brevipinnis Regan, 1904: 257 (type-locality: Rio Grande do Sul; holotype, 100 mm TL)

Ancistrus bufonius (Valenciennes, 1840)

Hypostomus bufonius Valenciennes, in Cuvier & Valenciennes, 1840: 511 (Paris ed.), : 377 (Strasbourg ed.) (type-locality: le Rio Apurimac, qui descend des montagnes du haut Pérou, a environ 2000 mètres de hauteur)

★ Regan, 1904: 258 (including the type(-s?))

Ancistrus calamita (Valenciennes, 1840)

Hypostomus calamita Valenciennes, in Cuvier & Valenciennes, 1840: 515-517 (Paris ed.), : 380-381 (Strasbourg ed.) (type-locality: dans les montagnes du haut Pérou, dans le rio Apurimac; 6 inches)

★ Günther, 1864: 248, 432 (one of the typical specimens; Rio Apurimac)

★ Regan, 1904: 259 (including the type(-s?))

Ancistrus caucanus Fowler, 1943

Ancistrus caucanus Fowler, 1943a: 253-255, figs. 40-43 (type-locality: Sonsón, Cauca River basin, Colombia; holotype, 68 mm)

Ancistrus centrolepis Regan, 1913

Ancistrus centrolepis Regan, 1913b: 470 (type-locality: Colombia, Choco, R. San Juan; 2 syntypes, 195 mm TL)

Ancistrus chagresi Eigenmann & Eigenmann, 1889

Ancistrus chagresi Eigenmann & Eigenmann, 1889: 47 (type-locality: Panama Canal Zone, Rio Chagres; 2 syntypes, 190 mm; original description in key)

★ Regan, 1904: 256-257, pl. 14 fig. 7 (the 2 syntypes)

Ancistrus cirrhosus (Valenciennes, 1840)

Hypostomus cirrhosus Valenciennes, in Cuvier & Valenciennes, 1840: 511-514 (Paris ed.), : 378-379 (Strasbourg ed.) (syntype-localities: *a* aux Missions, *b* Buenos-Ayres, and *c* also recorded from près de

Rio-Janéiro; syntypes, 4 inches; reference to pl. 7 fig. 3 of Valenciennes, in d'Orbigny, 1847)

- * Valenciennes, in d'Orbigny, 1847: 8, pl. 7 fig. 3 (a syntype illustrated)
- * Regan, 1904: 256 (including the syntypes)
- * As the lectotype of this species I herewith designate a specimen in the Muséum National d'Histoire Naturelle, Paris, MNHN B.603, 86.8 mm SL; there are 4 paralectotypes in MNHN 4845 and 2 in MNHN A.9565. All were collected between 1826 and 1833 in Buenos Aires, Argentina by A. d'Orbigny.

Ancistrus clementinae Rendahl, 1937

Ancistrus clementinae Rendahl, 1937: 4-5, fig. 2 (type-locality: Ecuador, syst. Rio de Clementina, nw. von Babahoyo; holotype, 105 mm "s.c.")

Ancistrus damasceni (Steindachner, 1907)

Xenocara damasceni Steindachner, 1907d: 292-293 (syntype-localities: dem Parnahyba bei Victoria und Sa. Filomena; syntypes, 73 mm)

Ancistrus dolichopterus Kner, 1854

Anc[istrus] dolichopterus Kner, 1854b: 274-275, pl. 3 fig. 1 (type-locality: Barra do Rio negro; 4 syntypes, somewhat more than 5 inches)

Ancistrus dubius Eigenmann & Eigenmann, 1889

Ancistrus cirrhosus dubius Eigenmann & Eigenmann, 1889: 48 (type-locality: Gurupa; 11 syntypes, 130 mm)

Ancistrus erinaceus (Valenciennes, 1840)

Hypostomus erinaceus Valenciennes, in Cuvier & Valenciennes, 1840: 510 (Paris ed.), : 376-377 (Strasbourg ed.) (type-locality: Chili; holotype, 3 inches)

- * Regan, 1904: 252 (note on the holotype)

Ancistrus eustictus (Fowler, 1945)

Pristiancistrus eustictus Fowler, 1945c: 121-122, figs. 29-32 (type-locality: Alto Rio Baudó, Pacific Slope at 3000 feet elevation; holotype, 245 mm)

Ancistrus fulvus (Holly, 1929)

Xenocara fulva Holly, 1929: 119 (type-locality: Alto Rio Acara, Brasilien; holotype, 115 mm TL)

Ancistrus gymnorhynchus Kner, 1854

Anc[istrus] gymnorhynchus Kner, 1854b: 275-276 (type-locality: Puerto cabello; holotype, 5½ inches TL)

Hypostomus Karstenii Kröyer, in Lütken, 1874b: 204 (MS-name, published in the synonymy of Chaetostomus gymnorhynchus sensu Lütken, 1874b)

Ancistrus heterorhynchus (Regan, 1912)

Xenocara heterorhynchus Regan, 1912: 668, pl. 76 fig. 2 (type-locality: Uruhuasi, Peru, 4000 feet; 2 syntypes, 80 mm TL)

Ancistrus hoplogenyis (Günther, 1864)

Chaetostomus hoplogenyis Günther, 1864: 247-248 (type-locality: Para, River Capin; 3 syntypes, 5 inches; in subgenus Ancistrus)

★ Regan, 1904: 255 (including the 3 syntypes)

Ancistrus jelskii (Steindachner, 1876)

Chaetostomus Jelskii Steindachner, 1876a: 603-604 (type-locality: den Gebirgsbächen der hohen Anden in Peru, Amable Maria, Monterico; syntypes, 3 inches and 1 line)

Ancistrus latifrons (Günther, 1869)

Chaetostomus latifrons Günther, 1869: 426 (type-locality: Upper Amazons Peruvian Amazons; holotype, 7 inches)

★ Regan, 1904: 253, pl. 15 fig. 1 (holotype)

Ancistrus leucostictus (Günther, 1864)

Chaetostomus leucostictus Günther, 1864: 248 (type-locality: Essequibo; holotype, 3 inches; in subgenus Ancistrus)

★ Regan, 1904: 255 (including the holotype)

Ancistrus lineolatus Fowler, 1943

Ancistrus lineolatus Fowler, 1943a: 255-256, figs. 44-47 (type-locality Florencia, Rio Ortegusa, Colombia; holotype, 121 mm)

Ancistrus lithurgicus Eigenmann, 1912

Ancistrus lithurgicus Eigenmann, 1910: 411 (nomen nudum), - Eigenmann, 1912b: 241, fig. 36, pl. 25 fig. 3 (type-locality: British Guiana, Crab Falls; holotype and 15 paratypes, 95 mm)

* Böhlke, 1953: 45-46 (paratype, listed)

See referenco to Böhlke, 1953 under Hypostomus pusarum.

Ancistrus macrophthalmus (Pellegrin, 1912)

Xenocara macrophthalma Pellegrin, 1912: 271-272, fig. 1 (type-locality: Orénoque; holotype, 80 mm SL, 94 mm TL; in subgenus Thysanocara)

Ancistrus maculatus (Steindachner, 1882)

Chaetostomus (Ancistrus) cirrhosus var. maculata Steindachner, 1882a: 122-123 (syntype-localities: Cudajas, Obidos, dem Rio Tajapouru, dem Rio Chagres; syntypes; size of the species, 8½ inches, about 220 mm)

Ancistrus malacops (Cope, 1872)

Chaetostomus malacops Cope, 1872: 287-288, pl. 5 figs. 2a-b (type-locality: Ambyiacu River = Ambiyacu or Ampiyacu River; 2 syntypes, 97 mm)

* Fowler, 1915a: 234 (a syntype, listed)

Ancistrus maracasae Fowler, 1946

Ancistrus maracasae Fowler, 1946: 2, figs. 1-4 † (type-locality: Maracas River, Trinidad)

Ancistrus martini Schultz, 1944

Ancistrus triradiatus martini Schultz, 1944a: 302-305, pl. 9 C-D, table 18 (type-locality: Río Táchira, 7 km. north of San Antonio, Catatumbo system, Venezuela; holotype and 4 paratypes, 81.5 mm SL)

Ancistrus mattogrossensis A. de Miranda Ribeiro, 1912

Ancistrus mattogrossensis A. de Miranda Ribeiro, 1912: 5 (locality data nor number and size of the syntypes are recorded)

Ancistrus megalostomus Pearson, 1924

Ancistrus megalostomus Pearson, 1924: 23-24, pl. 7 figs. 1-2 (type-locality: Huachi, at the junction of the Bopi and Cochabamba rivers, altitude 2,235 feet; 2 syntypes, 84 mm)

Ancistrus melas Eigenmann, 1916

Ancistrus melas Eigenmann, 1916: 83-84 (type-locality: Condoto; holotype and 2 paratopotypes, 2 paratypes from Raspadura, 106 mm)

* Eigenmann, 1922: 87, fig. 20, pl. 12 fig. 9, pl. 13 fig. 2 (including the holotype)

Ancistrus montanus (Regan, 1904)

Xenocara montana Regan, 1904: 258, pl. 14 fig. 6 (type-locality: Tumu-para, Andes of Bolivia, 1500 feet; holotype, 100 mm TL)

Ancistrus multispinis (Regan, 1912)

Xenocara multispinis Regan, 1912: 668, pl. 76 fig. 1 (syntype-localities the Humboldt and Novo Rivers, Sta. Catherina, S. E. Brazil; 3 syntypes, 120 mm TL)

Ancistrus nudiceps (Müller & Troschel, 1848)

H[ypostomus] nudiceps Müller & Troschel, in R. Schomburgk, 1848: 631 (type-locality: dem Takutu, Guyana; "er erreicht die Grösse von 2-3 Zoll"; holotype)

* Eigenmann, 1912a: 236 (footnote, on the holotype, 105 mm)

Ancistrus occidentalis (Regan, 1904)

Xenocara occidentalis Regan, 1904: 257, pl. 14 fig. 5 (type-locality: Canelos, E. Ecuador; 7 syntypes, 115 mm TL)

Ancistrus occloui Eigenmann, 1928

Ancistrus occloui Eigenmann, in Myers, 1928: 86-87 (type-locality: Ollantaytambo, Rio Urubamba, Peru, 9000 feet; holotype and 1 paratype, 115 mm)

* Eigenmann & Allen, 1942: 197-198, pl. 10 figs. 1-2 (including the holotype, which is illustrated)

Ancistrus punctatus (Steindachner, 1882)

Chaetostomus (Ancistrus) cirrhosus var. punctata Steindachner, 1882a: 122-123 (syntype-localities: dem Rio branco und Guapore in Matogrosso, Coary und Tabatinga; syntypes; size of the species, 8½ inches, about 220 mm)

Ancistrus rothschildi (Regan, 1905)

Xenocara rothschildi Regan, 1905: 242 (type-locality: San Esteban, near Porto Cabello, Venezuela; 5 syntypes, 175 mm TL)

Ancistrus sp.

Hypostoma punctatum R. H. Schomburgk, 1841: 144-146, ill. (type-locality: Rio Branco; holotype not preserved, 6½ inches, iconotype, Schomburgk Drawing No. 69)

* Hypostoma punctatum is a junior primary homonym of Hypostomus punctatus Valenciennes, 1840. Without topotypical specimens, R. H. Schomburgk's species must remain an unidentifiable Ancistrus. Note that Ancistrus punctatus (Steindachner, 1882) partly was also based upon Rio Branco specimens.

Ancistrus spinosus Meek & Hildebrand, 1916

Ancistrus spinosus Meek & Hildebrand, 1916: 252-253 (type-locality: Rio Calobre, tributary of the Rio Bayano, Panama; holotype, 1 paratype from the Rio Yape, tributary of the Rio Tuyra, Panama; 135 mm)

Ancistrus stigmaticus Eigenmann & Eigenmann, 1889

Ancistrus stigmaticus Eigenmann & Eigenmann, 1889: 48 (syntype-localities: Sao Matheos and Goyaz; 2 syntypes, 190 mm; original description in key on p. 47)

Ancistrus tamboensis Fowler, 1945

Ancistrus tamboensis Fowler, 1945b: 9, figs. 13-15 † (type-locality: Satipo a 600 metros de altitude, na bacia do alto Tambo, bacia do Ucayali, Peru)

* Fowler, 1954: 143, fig. 745 (reference)

Ancistrus taunayi A. de Miranda Ribeiro, 1918

Ancistrus taunayi A. de Miranda Ribeiro, 1918b: 631-632 (type-locality: Itaqui, Rio Lageado, Rio Grande do Sul; 8 syntypes)

* Britski, 1969: 208 (designation of the lectotype, 39 mm SL; 2 paralectotypes; rio Lageado, Itaqui, Estado do Rio Grande do Sul)

Ancistrus tectirostris (Cope, 1872)

Chaetostomus tectirostris Cope, 1872: 288, pl. 15 fig. 2 (type-locality: Ambiyacu River = Ambiyacu or Ampiyacu River; 2 syntypes, 130 mm)

* Fowler, 1915a: 234 (the 2 syntypes, listed)

Ancistrus temminckii (Valenciennes, 1840)

[Plecostomus no. 167] Gronovius, 1756: 15 (description)

[Plecostomus cirris plurimis, etc.] Seba, 1759: 87, pl. 29 fig. 12 (description, illustration)

[Plecostomus no. 393] Gronovius, 1763: 128 (diagnosis)

[Plecostomus seu Loricaria plecostomoides] Meuschen, in Gronovius, 1781 Index Piscium (invalidated by Hemming (ed.), 1954b; name for Plecostomus no. 393 Gronovius, 1763 = Plecostomus no. 167 Gronovius, 1756)

Hypostomus Temminckii Valenciennes, in Cuvier & Valenciennes, 1840: 514-515 (Paris ed.), : 380 (Strasbourg ed.) (type-locality: Cayenne; holotype, 4 inches; discussion)

Plecostomus aculeatus Gronovius, ed. Gray, 1854: 158 (type-locality: America Meridionali; based upon Plecostomus no. 393 Gronovius, 1763 = Plecostomus no. 167 Gronovius, 1756, and upon Seba's pl. 29 fig. 12, 1759)

Hypostomus schneideri Temminck MS, in Boeseman, 1972: 294-295 & 305 (history of the holotype of Hypostomus temminckii; Surinam, the region near Paramaribo)

* Bleeker, 1864: 11-13, pl. 1 fig. 3, pl. 3 fig. 2 (holotype)

* van der Stigchel, 1946 & 1947: 164-165 (including the holotype)

* Boeseman, 1972: 295, 305 (holotype, 83 mm SL; type-locality: Surinam, region near Paramaribo)

Ancistrus triradiatus Eigenmann, 1917

Ancistrus triradiatus Eigenmann, 1917: 680 (type-locality: Andes east of Bogotá, Quebrada Cramalote, Villavicencio; holotype, 1 paratype from Villavicencio, 3 paratypes from Barrigona; 113 mm)

★ Eigenmann, 1922: 224-225, pl. 12 fig. 8, pl. 13 figs. 3-4 (holotype and 4 paratypes)

Ancistrus variolus (Cope, 1872)

Chaetostomus variolus Cope, 1872: 288 (type-locality: Ambiyacu River = Ambiyacu or Ampiyacu River; 68 mm)

★ Fowler, 1915a: 234 (2 syntypes, and 4 other specimens with the same data, listed)

PANAQUE Eigenmann & Eigenmann, 1889

Panaque Eigenmann & Eigenmann, 1889: 44 (type-species, by original designation, Panaque nigrolineatus = Chaetostomus nigrolineatus Peters, 1877)

Panaque albomaculatus Kanazawa, 1958

Panaque albomaculatus Kanazawa, 1958: 327, fig. 1 (type-locality: Ecuador, tributary of Rio Suno, upper Napo River, 0°47' south latitude, 77°16' west longitude, Rio Pucuno; holotype; 6 paratypes from Ecuador, Province of Napo-Pastaza, Chichirota Bobonaza Rio, upper Pastaza, 2°22' south latitude, 76°36' west longitude; 1 paratype from Ecuador, Rio Cotapino, tributary of Rio Pucuno, 0°40' to 45' south latitude, 77°17' to 22' west longitude; 90.5 mm SL)

Panaque cochliodon (Steindachner, 1879)

Chaetostomus cochliodon Steindachner, 1879e: 187 (type-locality: dem Cauca; syntypes)

Chaetostomus cochliodon (sive gibbosus); Steindachner, 1880: 63-65, pl. 4 figs. 1, 1a-b (description and illustrations of Chaetostomus cochliodon; 2 syntypes, about 300 mm)

Panaque dentex (Günther, 1868)

Chaetostomus dentex Günther, 1868a: 477 (type-locality: Xeberos), - Günther, 1868b: 233 (holotype, 3½ inches)

★ Regan, 1904: 243 (holotype)

Panaque nigrolineatus (Peters, 1877)

Chaetostomus nigrolineatus Peters, 1877: 471 (type-locality: Calabozo, Venezuela; 2 syntypes, 390 mm)

Panaque purusiensis La Monte, 1935

Panaque purusiensis La Monte, 1935: 4-5, fig. 3 (type-locality: Rio Purus, collected in the vicinity of the mouth of Rio Macauhan, a tributary of Rio Yacu, which, in turn, is a tributary of Rio Purus, 69° W, 9°20' S; holotype, 114 mm SL)

Panaque suttoni Schultz, 1944

Panaque suttoni Schultz, 1944a: 308-311, pl. 10 B, table 19 (type-locality: Río Negro below the mouth of the Río Yasa, Maracaibo Basin, Venezuela; holotype and 5 paratypes, 280 mm SL)

A C A N T H I C I N I Bleeker, 1862

Acanthicini Bleeker, 1862a: 2, - Bleeker, 1863: 79 (type-genus,

Acanthicus von Spix, 1829)

includes Acanthicus

ACANTHICUS von Spix, 1829

Acanthicus von Spix, in von Spix & Agassiz, 1829: 2-3 (type-species, by monotypy, Acanthicus hystrix von Spix, 1829)

Acanthicus hystrix von Spix, 1829

Acanthicus hystrix von Spix, in von Spix & Agassiz, 1829: 3-4, pl. 1 figs. 1-2, pl. A fig. 1 (type-locality: in flumine Amazonum; holotype, 19½ inches)

Rinelepis acanthicus Valenciennes, in Cuvier & Valenciennes, 1840: 487-489 (Paris ed.), : 360-361 (Strasbourg ed.) (substitute name for Acanthicus hystrix von Spix, 1829)

★ Kner, 1854b: 254 (footnote, on the holotype)

★ The holotype of this species was destroyed in World War II (Dr F. Tero-fal, pers. comm.)

PSEUDACANTHICINI new tribe

Type-genus, Pseudacanthicus Bleeker, 1862

This tribe is unique in having the premaxillae partly fused.

includes Pseudacanthicina
Lithoxina

PSEUDACANTHICINA new subtribe

Type-genus, as for the tribe

The species of the single genus of this subtribe can reach a fairly large body size, have a deep body and very spinose dermal ossifications: the odontodes are well-developed.

includes Pseudacanthicus

PSEUDACANTHICUS Bleeker, 1862

Pseudacanthicus Bleeker, 1862a: 2, - Bleeker, 1863: 79 (type-species, by original designation and monotypy, Pseudacanthicus serratus = Hypostomus serratus Valenciennes, 1840)

Stoneiella Fowler, 1914: 271 (type-species, by original designation and monotypy, Stoneiella leopardus Fowler, 1914 = Pseudacanthicus leopardus)

Pseudacanthicus fordii (Günther, 1868)

Chaetostomus Fordii Günther, 1868a: 476 (type-locality: Surinam), - Günther, 1868b: 231-232, pl. 21 (probably from Surinam; 4 syntypes, males, 9 inches)

* Regan, 1904: 261 (the 4 syntypes)

Pseudacanthicus histrix (Valenciennes, 1840)

Rinelepis histrix Valenciennes, in Cuvier & Valenciennes, 1840: 486-487 (Paris ed.), : 359-360 (Strasbourg ed.) (no locality: based upon illustrations sent by Vandelli; 9 inches; Loricaria histrix Vandelli MS, listed as a synonym)

* Capello, 1870 † (the holotype?)

* Regan, 1904: 261 (reference to the only known specimen, Rio Negro 760 mm TL, described and figured by Capello, 1870 †)

Pseudacanthicus leopardus (Fowler, 1914)

Stoneiella leopardus Fowler, 1914: 271-274, fig. 17 (type-locality: Rupununi River, British Guiana; holotype, 92 mm)

Pseudacanthicus serratus (Valenciennes, 1840)

Hypostomus serratus Valenciennes, in Cuvier & Valenciennes, 1840: 503-505 (Paris ed.), : 372 (Strasbourg ed.) (type-locality: Surinam; holotype, 8 inches)

- * Bleeker, 1864: 13-15, pl. 1 fig. 2, pl. 3 fig. 3 (holotype and an additional specimen)
- * van der Stigchel, 1946 & 1947: 167-168 (including the holotype)
- * Boeseman, 1972: 294-295, 296, 304 (holotype)

Pseudacanthicus spinosus (de Castelnau, 1855)

Hypostomus spinosus de Castelnau, 1855: 45, pl. 22 fig. 3 (type-locality: la rivière des Amazones; holotype, 350 mm SL)

- * Regan, 1904: 260-261 (including the holotype)

LITHOXINA new subtribe

Type-genus, Lithoxus Eigenmann, 1910

The two genera of this subtribe contain small species with a flat body and head and dermal ossifications without very conspicuous odontodes.

includes Lithoxus
Exastilithoxus

LITHOXUS Eigenmann, 1910

Lithoxus Eigenmann, 1910: 405 & 412 (type-species, by original designation and monotypy, Lithoxus lithoides Eigenmann, 1910)

Lithoxus bovallii (Regan, 1906)

Ancistrus Bovallii Regan, 1906: 96 (type-locality: Kaat River, tributary to the Treng River, Upper Potaro, British Guiana, in a rapid on the under side of stones; 7 syntypes, 55 mm TL)

Lithoxus lithoides Eigenmann, 1910

Lithoxus lithoides Eigenmann, 1910: 412 (listed; type-species of the

genus; type-locality: Cataracts of British Guiana; original description in key on p. 405), - Eigermann, 1912a: 242-243, pl. 29 figs. 1-4 (type-locality: Amatuk, British Guiana; holotype, 86 paratypes, and 95 non-type (?) specimens; 86 mm)

* Fowler, 1915a: 235 (1 paratype, listed)

* van der Stigchel, 1946 & 1947: 169-170 (3 paratypes)

* Böhlke, 1953: 46 (3 paratypes, listed)

See reference to Böhlke, 1953 under Hypostomus pusarum.

* Isbrücker, 1979: 91 (3 paratypes)

EXASTILITHOXUS Isbrücker & Nijssen, 1979

Exastilithoxus Isbrücker & Nijssen, in Isbrücker, 1979: 88 & 91

(type-species, by original designation and monotypy, Pseudacanthicus (Lithoxus) fimbriatus Steindachner, 1915 = Exastilithoxus fimbriatus)

Exastilithoxus fimbriatus (Steindachner, 1915)

Pseudocanthicus fimbriatus Steindachner, 1915a: 201 (p. 3 of reprint)
(type-locality: Coquenfluss)

Pseudacanthicus (Lithoxus) fimbriatus Steindachner, 1915c: 92-93 (pp. 78-79 of reprint), pl. 10 figs. 1-3 (description of the holotype, 57 mm SL, about 70 mm TL; Coquen-Flusse)

* Isbrücker, 1979: 91, fig. 8 (holotype)

H Y P O P T O P O M A T I N A E Eigermann & Eigenmann, 1890

Hypoptopominae Eigermann & Eigenmann, 1890: 8, 12, 353, 388 (type-genus, Hypoptopoma Günther, 1868)

includes Otocinclini
Hypoptopomatini

O T O C I N C L I N I Isbrücker, in press

Otocinclini Isbrücker, in press (type-genus, Otocinclus Cope, 1871)

includes Parotocinclus
Otocinclus
Otothyris
unnamed genus
unnamed genus
Pseudotocinclus

PAROTOCINCLUS Eigenmann & Eigenmann, 1889

Parotocinclus Eigenmann & Eigenmann, 1889: 41 (type-species, by original designation and monotypy, Hisonotus (Parotocinclus) maculicauda = Otocinclus maculicauda Steindachner, 1877 = Parotocinclus maculicauda)

Parotocinclus amazonensis Garavello, 1977

Parotocinclus amazonensis Garavello, 1977: 7-8, figs. 21-22 (type-locality: Ilha Sorubim, Rio Solimões, Amazonas, Brazil; holotype, 15 mm SL)

Parotocinclus bahiensis (A. de Miranda Ribeiro, 1918)

Microlepidogaster (?) bahiensis A. de Miranda Ribeiro, 1918b: 635 (type-locality: Villa Nova, E. da Bahia; 2 syntypes)

* Britski, 1969: 200 (syntypes not found in MZUSP)

* Garavello, 1977: 6, 18-19 (type-locality: Vila Nova, now Senhor do Bonfim; the 2 syntypes are lost)

Parotocinclus britskii Boeseman, 1974

Parotocinclus britskii Boeseman, 1974: 267-270, fig. 2, pl. 2, table 3 (type-locality: left tributary of the Coppename River, 3°51' N, 56°55' W, Surinam; holotype and 5 paratypes, 27 mm SL)

* Garavello, 1977: 13-14, 25, figs. 23-24 (2 paratypes)

Parotocinclus cearensis Garavello, 1977

Parotocinclus cearensis Garavello, 1977: 14-15, figs. 19-20 (type-locality: Cachoeira do Gusmao, Ipu, Ceará, Brazil; holotype and 124 paratypes, 3 paratypes (which are also paratypes of Plecostomus spilosoma Fowler, 1941) from Rio Choró, Ceará; 35 mm SL)

Parotocinclus cesarpintoi P. de Miranda Ribeiro, 1939

Paraotocinclus cesarpintoi P. de Miranda Ribeiro, 1939b: 364-365, 1 ill (type-locality: rio Paraíba que atravessa a Vila de Quebrângulo, no Estado de Alagoás, northeastern Brazil; syntypes, 55 mm TL)

* Garavello, 1977: 17-18, 26, figs. 15-16 (85 topotypes, perhaps including syntypes, as all were collected in the Rio Paraíba do Norte by Cesar Pinto in 1939 and 1940)

Parotocinclus cristatus Garavello, 1977

Parotocinclus cristatus Garavello, 1977: 6-7, figs. 9-10 (type-locality: Fazenda Almada, Ilhéus, Bahia, Brazil; holotype and 10 paratypes, 35 mm SL)

Parotocinclus doceanus (A. de Miranda Ribeiro, 1918)

Microlepidogaster doceanus A. de Miranda Ribeiro, 1918b: 634 (type-locality: Rio Doce, E. Santo; holotype)

* Britski, 1969: 208 (holotype)

* Garavello, 1977: 11, 25, figs. 7-8 (holotype and 3 "paratypes", the latter are topotypes)

Parotocinclus jimi Garavello, 1977

Parotocinclus jimi Garavello, 1977: 9-10, figs. 25-26 (type-locality: Rio do Peixe, small tributary of Rio de Contas, Fazenda Pedra Branca, Itagibá, Bahia, Brazil; holotype and 20 paratypes, 37 mm SL)

Parotocinclus maculicauda (Steindachner, 1877)

Otocinclus maculicauda Steindachner, 1877: 6-8, pl. 1 figs. 2, 2a-b (type-locality: südöstlichen Brasilien; syntypes)

Otocinclus caudimacula Steindachner, 1877: 8 (lapsus)

* Eigenmann & Eigenmann, 1890: 392 (3 syntypes?)

* Garavello, 1977: 11-13, figs. 1, 5-6 (type-locality: Santa Cruz, Estrada do Ferro Central do Brasil, Rio de Janeiro, Brazil; 159 specimens from the Estados Santa Catarina, São Paulo, Rio de Janeiro, and Espírito Santo, Brazil)

Parotocinclus minutus Garavello, 1977

Parotocinclus minutus Garavello, 1977: 15-16, figs. 13-14 (type-locality: Rio Vasa Barris, Canudos, Bahia, Brazil; holotype and 2 paratypes, 24 mm SL)

Parotocinclus spilosoma (Fowler, 1941)

Plecostomus spilosoma Fowler, 1941b: 152-154, figs. 53-55 (type-locality: Campina Grande, Parahyba; holotype and 3 paratypes; 1 paratype from Rio Choró, Ceará, near Fortaleza, 2 paratypes from Rio Choró, Ceará, and 23 paratypes from Rio Salgade, Icó, Ceará; 54 mm)

* Garavello, 1977: 16-17, 26, figs. 11-12 (3 paratypes)

Parotocinclus spilurus (Fowler, 1941)

Plecostomus spilurus Fowler, 1941b: 148-150, figs. 47-49 (type-locality:
Rio Salgade, Icó, Ceará; holotype and 5 paratypes, 39 mm)

* Garavello, 1977: 8-9, 25, figs. 17-18 (5 paratypes)

Parotocinclus steindachneri di Caporiacco, 1947

Parotocinclus steindachneri di Caporiacco, 1947: 201 † (type-locality:
Rio Novo, Santa Catarina, Brazil)

OTOCINCLUS Cope, 1871

Otocinclus Cope, 1871b: 112 (original diagnosis), - Cope, 1872: 283
(type-species, by monotypy, Otocinclus vestitus Cope, 1872)

Hisonotus Eigenmann & Eigenmann, 1889: 40 (type-species, by original
designation and monotypy, Hisonotus (Hisonotus) notatus Eigenmann
& Eigenmann, 1889 = ? Otocinclus notatus)

Microlepidogaster Eigenmann & Eigenmann, 1889: 42 (type-species, by
original designation and monotypy, Microlepidogaster perforatus
Eigenmann & Eigenmann, 1889 = ? Otocinclus perforatus)

* The species ascribed to Otocinclus, Hisonotus, and Microlepidogaster
are quite in need of revision. It seems best to refer them all to
Otocinclus for the present, until reliable distinguishing characters
allows recognition of more genera.

Otocinclus affinis Steindachner, 1877

Otocinclus affinis Steindachner, 1877: 5-6, pl. 1 figs. 1, 1a-b (type-
locality: Flússchen bei S. Crux in der Umgebung von Rio Janeiro;
syntypes, 33 mm)

* Eigenmann & Eigenmann, 1890: 392-393 (20 syntypes?)

Otocinclus arnoldi Regan, 1909

Otocinclus arnoldi Regan, 1909: 234-235 (type-locality: the La Plata;
holotype, 55 mm TL)

Otocinclus bourguyi (A. de Miranda Ribeiro, 1911)

Microlepidogaster bourguyi A. de Miranda Ribeiro, 1911: 90 (type-locality: Brasil; 12 syntypes)

Otocinclus cephalacanthus A. de Miranda Ribeiro, 1911

Otocinclus cephalacanthus A. de Miranda Ribeiro, 1911: 93 (type-locality: Brasil; holotype, 30 mm)

* P. de Miranda Ribeiro, 1955: 400 (holotype, listed)

Otocinclus depressicauda A. de Miranda Ribeiro, 1918

Otocinclus depressicauda A. de Miranda Ribeiro, 1918b: 635-636 (type-locality: Sorocaba; 11 syntypes)

* P. de Miranda Ribeiro, 1955: 400 (a syntype, listed; Sorocaba, S. Paulo)

* Britski, 1969: 208-209 (designation of the lectotype, 33 mm SL; 4 paralectotypes)

Otocinclus depressinotus (A. de Miranda Ribeiro, 1918)

Microlepidogaster depressinotus A. de Miranda Ribeiro, 1918b: 633-634 (type-locality: Piracicaba; holotype)

* Britski, 1969: 208 (holotype)

Otocinclus fimbriatus Cope, 1894

Otocinclus fimbriatus Cope, 1894: 98-99, pl. 9 figs. 16a-b (type-locality: Rio Jacuhy, Rio Grande do Sul; syntypes, 28 mm SL, 38.5 mm TL)

* Fowler, 1915a: 237 (4 syntypes, listed)

Otocinclus flexilis Cope, 1894

Otocinclus flexilis Cope, 1894: 97-98, pl. 7 figs. 13a-b (type-locality: Rio Jacuhy, Rio Grande do Sul; syntypes, 43 mm SL, 53 mm TL)

* Fowler, 1915a: 237 (5 syntypes, listed)

Otocinclus francirochai von Ihering, 1928

Otocinclus francirochai von Ihering, 1928: 2-3, fig. 1 (type-locality: creeks by Pirangy, headwaters of the rio Turvo, into rio Grande of the Paraná-La Plata; syntypes, 42 mm TL)

* Britski, 1969: 209 (designation of the lectotype; 11 paralectotypes)

Otocinclus gibbosus A. de Miranda Ribeiro, 1908

Otocinclus gibbosus A. de Miranda Ribeiro, 1908, 2nd page, 4th species, figs. 2, 2a (type-locality: Rio Bethari; holotype; 49 cm [sic], more likely 49 mm)

★ P. de Miranda Ribeiro, 1955: 401 (holotype listed)

Otocinclus hasemani Steindachner, 1915

Otocinclus hasemani Steindachner, 1915d: 578-580 (pp. 12-14 of reprint) (type-locality: Engenho da Agua im Flussgebiete des Paranahyba im Staate Maranhão; syntypes, data of one syntype tabulated, 26 mm SL, 34 mm TL)

Otocinclus hoppei A. de Miranda Ribeiro, 1939

Otocinclus hoppei A. de Miranda Ribeiro, 1939: 359 (type-locality: Belém, Pará, Brasil-Norte; 2 syntypes, 43.5 mm)

★ P. de Miranda Ribeiro, 1955: 401 (designation of the lectotype)

Otocinclus laevior (Cope, 1894)

Hisonotus laevior Cope, 1894: 95-96, pl. 7 figs. 12a-b (type-locality: Rio Jacuhy, Rio Grande do Sul; holotype, 41 mm SL, 52 mm TL)

★ Fowler, 1915a: 238 (holotype listed)

Otocinclus leptochilus (Cope, 1894)

Hisonotus leptochilus Cope, 1894: 96, pl. 7 figs. 11a-b (type-locality: Rio Grande do Sul; holotype, 44 mm SL, 54 mm TL)

★ Fowler, 1915a: 238 (holotype listed)

Otocinclus leucofrenatus A. de Miranda Ribeiro, 1908

Otocinclus leucofrenatus A. de Miranda Ribeiro, 1908, 2nd page, 3rd species (type-locality: Rio das Pedras; 60 mm)

Otocinclus lophophanes (Eigenmann & Eigenmann, 1889)

Rhinelepis lophophanes Eigenmann & Eigenmann, 1889: 42-43 (type-locality: Santa Cruz, Brazil; holotype, 18 mm SL)

★ Regan, 1904: 269 (holotype)

Otocinclus macrospilus Eigenmann & Allen, 1942

Otocinclus macrospilus Eigenmann & Allen, 1942: 201-202, pl. 13 fig. 1 (type-locality: Rio Morona; holotype and 11 paratypes, 45 mm)

Otocinclus maculipinnis Regan, 1912

Otocinclus maculipinnis Regan, 1912: 668-669, pl. 77 fig. 3 (type-locality: La Plata; 4 syntypes, 35 mm TL)

Otocinclus mariae Fowler, 1940

Otocinclus mariae Fowler, 1940b: 83, figs. 41-43 (type-locality: Boca Chapare, Rio Chimore, Cochabamba, Bolivia; holotype, 33 mm)

Otocinclus nigricauda Boulenger, 1891

Otocinclus nigricauda Boulenger, 1891: 234, pl. 25 fig. 3 (type-locality: the Province Rio Grande do Sul, Brazil; syntypes, 42 mm TL)

* Regan, 1904: 268-269 (10 syntypes?)

Otocinclus notatus (Eigenmann & Eigenmann, 1889)

Hisonotus notatus Eigenmann & Eigenmann, 1889: 41 (syntype-localities: Santa Cruz and Juiz de Fora; 95 and 1 syntypes, respectively; 43 mm)

[Hisonotus] minutus Eigenmann & Eigenmann, 1890: 391 (lapsus)

* Regan, 1904: 268 (4 syntypes?)

Otocinclus paulinus Regan, 1908

Otocinclus paulinus Regan, 1908a: 799, fig. 208 (type-locality: Rio Piracicaba, San Paulo, Brazil; holotype, 35 mm TL)

Otocinclus perforatus (Eigenmann & Eigenmann, 1889)

Microlepidogaster perforatus Eigenmann & Eigenmann, 1889: 42 (type-locality: Rio Carandahy, Brazil; holotype, 32 mm SL)

Otocinclus spectabilis Eigenmann, 1914

Otocinclus spectabilis Eigenmann, 1914: 229-230 (type-locality: Quebrada Cramalote, Villavicencio, Rio Meta Basin of Eastern Colombia; holotype and 9 paratypes, 38 mm), - Eigenmann, 1916: 78-79, pl. 14

figs. 2-3 (holotype illustrated)

- * Eigenmann, 1922: 227 (holotype and 9 paratypes, listed)

Otocinclus tietensis von Ihering, 1907

Otocinclus (Microlepidogaster) tietensis von Ihering, 1907: 26 & 28

(description in English), : 27 & 29 (description in Portuguese)

(type-locality: Rio Tieté, Sao Paulo; holotype, 67 mm)

- * A. de Miranda Ribeiro, 1918c: 717 (Microlepidogaster tietensis Eigenm. & Rud., ...Typo)
- * Britski, 1969: 200 (holotype not found in MZUSP)

Otocinclus vestitus Cope, 1872

Otocinclus vestitus Cope, 1872: 283-284, pl. 4 figs. 2a-c (type-locality:

tributaries of the Ambyiacu = Ambiyacu or Ampiyacu; syntypes?, 40 mm TL)

- * Fowler, 1915a: 237 (2 syntypes, listed)

Otocinclus vittatus Regan, 1904

Otocinclus vittatus Regan, 1904: 267, pl. 15 fig. 3 (type-locality: Descalvados, Matto Grosso, Paraguay system; 5 syntypes, 35 mm TL)

OTOTHYRIS Myers, 1927

Otothyris Myers, 1927: 127-128 (type-species, by original designation and monotypy, Otothyris canaliferus Myers, 1927)

Otothyris canaliferus Myers, 1927

Otothyris canaliferus Myers, 1927: 128 (type-locality: Brazil, hills vicinity Rio de Janeiro; syntypes, 30 mm)

- * Böhlke, 1953: 46 (1 syntype, listed)

See reference to Böhlke, 1953 under Hypostomus pusarum.

[UNNAMED GENERA, Britski MS]

'Microlepidogaster' guntheri A. de Miranda Ribeiro, 1918

Microlepidogaster guntheri A. de Miranda Ribeiro, 1918b: 634-635 (syn-type-localities: Ilha de S. Sebastião and Praia de Pirahique; 24

syntypes; named after Sr. F. Günther)

Microlepidogaster güntheri; A. de Miranda Ribeiro, 1918c: 717 (listed)

* **Britski, 1969: 208 (designation of the lectotype; 16 paralectotypes, 34 mm SL)**

'Otocinclus obtusus' A. de Miranda Ribeiro, 1911

Otocinclus obtusus A. de Miranda Ribeiro, 1911: 95 (type-locality: Brasil; syntypes, 33 mm SL)

Otocinclus obtusus A. de Miranda Ribeiro, 1911: 91 & 95 (spelling)

* **P. de Miranda Ribeiro, 1955: 401 (designation of the lectotype; 4 paralectotypes; Brasil)**

PSEUDOTOCINCLUS Nichols, 1919

Pseudotocinclus Nichols, 1919c: 533-534 & 539 (type-species, by monotypy, Pseudotocinclus intermedius Nichols, 1919)

Pseudotocinclus intermedius Nichols, 1919

Pseudotocinclus intermedius Nichols, 1919c: 534-535 (description in Portuguese), : 540 (description in English) (type-locality: Campo Grande, perto de S. Paulo; holotype; 1 paratype from Os Perús, State of São Paulo, 1 paratype from Alto da Serra, São Paulo; 60 mm SL)

* **Lourenço Gomes, 1955: 225-226 (paratype)**

* **Britski, 1969: 210 (2 paratypes)**

Pseudotocinclus ribeiroi Lourenço Gomes, 1955

Pseudotocinclus ribeiroi Lourenço Gomes, 1955: 222-226, pls. 1-2 (type-locality: Rio Branco, bacia do Rio Itanhaem, município de Itanhaem, São Paulo; Rio Branco, a tributary of the Rio Itanhaem, Itanhaem County, São Paulo; holotype and 2 paratypes, 33 mm SL)

H Y P O P T O P O M A T I N I Eigenmann & Eigenmann, 1890

reference as for the subfamily
includes Hypoptopoma

HYPOPTOPOMA Günther, 1868

Hypoptopoma Günther, 1868a: 477 (type-species, by monotypy, Hypoptopoma thoracatum Günther, 1868)

Oxyropsis Eigenmann & Eigenmann, 1889: 39 (type-species, by original designation and monotypy, Oxyropsis wrightiana Eigenmann & Eigenmann, 1889 = Hypoptopoma wrightianum)

Aristommata Holmberg, 1893a: 95, 1893b: 96, 1893c: 353 (type-species by monotypy, Aristommata inexpectata Holmberg, 1893b = Hypoptopoma inexpectatum)

Diapeltoplites Fowler, 1915a: 237 (subgenus of Hypoptopoma; type-species, by original designation, Hypoptopoma (Diapeltoplites) gulare = Hypoptopoma gulare Cope, 1878)

Hypoptopoma acutirostre (P. de Miranda Ribeiro, 1951)

Oxyropsis acutirostris P. de Miranda Ribeiro, 1951b: 2-3, pl. 1 fig. 2, pl. 2 fig. 2, pl. 3 fig. 3 (type-locality: Paricachoeira, rio Taquié, afl. do Vaupes que é afl. do Negro, Amazonas; holotype, 57 mm SL, 65 mm TL)

Hypoptopoma bilobatum Cope, 1870

Hypoptopoma bilobatum Cope, 1870: 566, 2 figs. † (type-locality: Pebas, Peru)

★ Fowler, 1915a: 235 (2 syntypes, listed)

Hypoptopoma carinatum Steindachner, 1879

Hypoptopoma carinatum Steindachner, 1879b: 48-49, pl. 4 figs. 3, 3a (type-locality: einem Nebenflusse des Amazonenstromes an der peruanische Grenze; holotype, a small specimen)

Hypoptopoma guentheri Boulenger, 1895

Hypoptopoma guentheri Boulenger, 1895: 526-527 (type-locality: Descalvados, Matto Grosso; syntypes, 65 mm TL), - Boulenger, 1896: 31 (description of the syntypes)

★ Regan, 1904: 264, pl. 15 fig. 2 (7 specimens, probably all syntypes)

Hypoptopoma guianense Boeseman, 1974

Hypoptopoma guianense Boeseman, 1974: 259-267, fig. 1, pl. 1, tables 1-2 (type-locality: left tributary of the Nickerie River, a few km upstream from the Stondansie Falls, Surinam; holotype, 12 paratopotypes, 16 paratypes, and 2 non-types; 61.5 mm SL)

Hypoptopoma gulare Cope, 1878

Hypoptopoma gulare Cope, 1878: 678 † (type-locality: Pebas, Perú)

★ Fowler, 1915a: 237 (holotype, listed)

Hypoptopoma inexpectatum (Holmberg, 1893)

Aristommata inexpectata Holmberg, 1893b: 96, - Holmberg, 1893c: 354

(type-locality: el Rio Paraguay, al pié de Formosa; probably only the holotype, 70 mm TL)

Hypoptopoma joberti (Vaillant, 1880)

Otocinclus Joberti Vaillant, 1880a: 147 † (type-locality: Calderon, Brésil)

★ Regan, 1904: 265 (holotype)

Hypoptopoma psilogaster Fowler, 1915

Hypoptopoma psilogaster Fowler, 1915a: 235-237, fig. 9 (type-locality: Peruvian Amazon; holotype, 56 mm, caudal damaged)

Hypoptopoma steindachneri Boulenger, 1895

Hypoptopoma steindachneri Boulenger, 1895: 526-527 (based upon "The fish described by Steindachner as H. thoracatum Gthr."; type-locality: Amazon near outlet Rio Negro; holotype, somewhat larger than the holotype of Hypoptopoma thoracatum)

★ Steindachner, 1879b: 47, pl. 6 fig. 1 (description and illustration of the future holotype of Hypoptopoma steindachneri)

Hypoptopoma thoracatum Günther, 1868

Hypoptopoma thoracatum Günther, 1868a: 477 (type-locality: Xeberos), - Günther, 1868b: 234-235, fig. 2 (holotype, 3 inches)

★ Regan, 1904: 263-264 (including the holotype)

Hypoptopoma wrightianum (Eigenmann & Eigenmann, 1889)

Oxyropsis wrightiana Eigenmann & Eigenmann, 1889: 39-40 (type-locality: Lake Hyanuary; holotype, 37 mm SL)

★ Regan, 1904: 264 (holotype)

L O R I C A R I I N A E Bonaparte, 1831

reference as for the family

includes Harttiini
Farlowellini
Acestridiini
Loricariini

H A R T T I I N I Boeseman, 1971

Harttiinae Boeseman, 1971: 4 & 10 (type-genus, Harttia Steindachner, 1876)

includes Harttiina
Metaloricariina

H A R T T I I N A Boeseman, 1971

reference as for the tribe

includes Harttiella
Harttia
Cteniloricaria
Lamontichthys
Pterosturisoma
Sturisomatichthys
Sturisoma

HARTTIELLA Boeseman, 1971

Harttiella Boeseman, 1971: 6-10, 11, 12, 15, 16, 17 (type-species, by original designation, Harttiella crassicauda = Harttia crassicauda Boeseman, 1953)

Harttiella crassicauda (Boeseman, 1953)

Harttia crassicauda Boeseman, 1953: 10-12, figs. 1b, 2a-b (type-locality: Surinam, Nassau Mountains, in creek; holotype and 14 paratypes, 49 mm SL, 59 mm TL)

* Boeseman, 1971: 26-28, pl. 1, table 2 (holotype and 14 paratypes)

HARTTIA Steindachner, 1876

Harttia Steindachner, 1876b: 191 (diagnosis), - Steindachner, 1876c: 110-111 (type-species, by original designation and monotypy, Harttia loricariformis Steindachner, 1876)

Harttia carvalhoi P. de Miranda Ribeiro, 1939

Harttia carvalhoi P. de Miranda Ribeiro, 1939a: 11, pl. 2 figs. A-B
(type-locality: Rio Paquequer, Estado Rio de Janeiro; 12 syntypes)

Harttia kronei A. de Miranda Ribeiro, 1908

Harttia kronei A. de Miranda Ribeiro, 1908, 2nd page, 6th species,
figs. 3, 3a (type-locality: Rio Bethary; syntypes, 120 mm)

★ P. de Miranda Ribeiro, 1955: 399-400 (designation of the lectotype,
2 paralectotypes; Rio Betari, São Paulo)

Harttia loricariformis Steindachner, 1876

Harttia loricariformis Steindachner, 1876c: 111-114, pl. 6 figs. 2,
2a-b (type-locality: Oberer Lauf des Rio Parahyba und dessen Nebenflüsse, southeastern Brazil; syntypes)

★ Eigenmann & Eigenmann, 1890: 386-387 (12 syntypes?)

★ Boeseman, 1971: 33, table 5 (a syntype?)

★ Isbrücker, 1979: 113 (designation of the lectotype)

The lectotype is from the Rio Paraíba.

Harttia rhombocephala P. de Miranda Ribeiro, 1939

Harttia rhombocephala P. de Miranda Ribeiro, 1939a: 11-12, pl. 2 figs.
C-D (type-locality: Rio Farias; holotype)

Harttia surinamensis Boeseman, 1971

Harttia surinamensis Boeseman, 1971: 11, 21-22, 23, 24, 25, 28-33, 45,
figs. 1, 5, tables 1, 4, diagrams 1-26, pl. 3 (type-locality:
Grandam, Gran Rio, upper Suriname River, Surinam; holotype and 269
paratypes, 188 mm SL)

★ Isbrücker, 1975a: 8, fig. 4g (tooth of a paratype)

CTENILORICARIA Isbrücker & Nijssen, 1979

Cteniloricaria Isbrücker & Nijssen, in Isbrücker, 1979: 88 & 91

(type-species, by original designation, Cteniloricaria platystoma =
Loricaria platystoma Günther, 1868)

Cteniloricaria fowleri (Pellegrin, 1908)

Oxyloricaria fowleri Pellegrin, 1908: 126-127 (type-locality: Rivière Camopi, Guyane française; holotype, 142 mm SL)

* Boeseman, 1971: 33, pl. 4, table 6 (holotype)

Cteniloricaria maculata (Boeseman, 1971)

Parasturisoma maculata Boeseman, 1971: 11, 21-22, 23, 24, 25, 33-37, 45, figs. 1, 5, tables 1, 7, diagrams 1-26, pl. 5 (type-locality: Sipaliwini, near airstrip, upper Corantijn River basin, Surinam; holotype and 55 paratypes, 170 mm SL)

* Isbrücker, 1975a: 8, fig. 4h (tooth of a paratype of Harttia surinamensis, ZMA 110.726 - this register number became 101.726 by typographical error in Boeseman, 1971: 28)

Cteniloricaria platystoma (Günther, 1868)

Loricaria platystoma Günther, 1868a: 478 (type-locality: Surinam), - Günther, 1868b: 236-238, figs. 4-5 (probably from Surinam; 2 syntypes, 8 inches)

* Regan, 1904: 298-299 (the 2 syntypes)

* Boeseman, 1971: 37, pl. 6, table 8 (including a syntype)

* Isbrücker, 1979: 113 (designation of the lectotype)

LAMONTICHTHYS P. de Miranda Ribeiro, 1939

Lamontichthys P. de Miranda Ribeiro, 1939a: 12 (type-species, by original designation and monotypy, Lamontichthys filamentosus = Harttia filamentosa La Monte, 1935)

Lamontichthys filamentosus (La Monte, 1935)

Harttia filamentosa La Monte, 1935: 5-6, fig. 4 (type-locality: Brazilian Amazonas, Rio Jurua, in the vicinity of the mouth of the Rio Embira, a tributary of Rio Tarauaca, which, in turn, is a tributary of Rio Jurua, 70°15' W, 7°30' S; holotype and 1 paratype, 161 mm SL)
? Harttia filamentissima Eigenmann & Allen, 1942: 211, pl. 8 figs. 1-2 (type-locality: Peru, Rio Huallaga; holotype, and 1 paratype from Lago Cashiboya, 170 mm)

* Isbrücker & Nijssen, 1976a: 121-122 (type-material of the species and of Harttia filamentissima), - Isbrücker & Nijssen, 1978b: 58-66, figs

1-6 (type-material of the species and of Harttia filamentissima redescribed and illustrated)

Lamontichthys stibaros Isbrücker & Nijssen, 1978

Lamontichthys stibaros Isbrücker & Nijssen, 1978b: 66-69, figs. 8-9, 10d, 14, tables Ic, IIIi-j, IIIb (type-locality: Ecuador, Prov. Pastaza, Río Amazonas system, Río Bobonaza at Chicherota, 02°25' S, 76°38' W, altitude approximately 260-280 m, upper Río Pastaza; holotype and 1 paratype, 242 mm SL)

PTEROSTURISOMA Isbrücker & Nijssen, 1978

Pterosturisoma Isbrücker & Nijssen, 1978b: 69 (type-species, by original designation and monotypy, Pterosturisoma microps = Harttia microps Eigenmann & Allen, 1942)

Pterosturisoma microps (Eigenmann & Allen, 1942)

Harttia microps Eigenmann & Allen, 1942: 211-212, pl. 8 figs. 3-4, pl. 9 fig. 1 (type-locality: Peru, Iquitos; holotype and 4 paratypes, 174 mm)

* Isbrücker & Nijssen, 1978b: 71-73, figs. 10e, 11, 14 (designation of the lectotype)

STURISOMATICHTHYS Isbrücker & Nijssen, 1979

Sturisomatichtchys Isbrücker & Nijssen, in Isbrücker, 1979: 88 & 91 (type-species, by original designation, Sturisomatichtchys leightoni = Oxyloricaria leightoni Regan, 1912)

Sturisomatichtchys caquetae (Fowler, 1945)

Harttia caquetae Fowler, 1945c: 126-128, figs. 41-43 (type-locality: Morelia, Rio Caquetá drainage, Colombia; holotype, 193 mm)

Sturisomatichtchys citurensis (Meek & Hildebrand, 1913)

Oxyloricaria citurensis Meek & Hildebrand, 1913: 82 (type-locality: Rio Cupe, Cituro, Panama, Tuyra River basin; holotype, 194 mm)

Sturisomatichtchys leightoni (Regan, 1912)

Oxyloricaria leightoni Regan, 1912: 669, pl. 77 fig. 2 (type-locality:

Honda, Colombia, 300-400 ft.; 2 syntypes, 65 mm TL)

* Isbrücker, 1979: 113 (designation of the lectotype)

Sturisomatichthys tamanae (Regan, 1912)

Oxyloricaria tamanae Regan, 1912: 669, pl. 77 figs. 1, 1a-b (type-locality: the Rio Tamana, Rio San Juan, Choco, S. W. Colombia, 200 ft.; 2 syntypes, 225 mm TL)

* Isbrücker, 1979: 113, figs. 5-7 (designation of the lectotype)

STURISOMA Swainson, 1838

Sturisoma Swainson, 1838: 335, 337, 338, 357 (type-species, by monotypy, Sturisoma rostratum = Loricaria rostrata von Spix, 1829)

Oxyloricaria Bleeker, 1862a: 3, Bleeker, 1863: 81 (type-species, by original designation and monotypy, Oxyloricaria barbata = Loricaria barbata Kner, 1854 = Sturisoma barbatum)

Parasturisoma A. de Miranda Ribeiro, 1911: 109 (type-species, by original designation and monotypy, Parasturisoma brevirostris = Loricaria (Rineloricaria) brevirostris Eigenmann & Eigenmann, 1889 = Sturisoma brevirostre)

Sturisoma aureum (Steindachner, 1900)

Loricaria aurea Steindachner, 1900: 206-207 (type-locality: Bodega central, Rio Magdalena; holotype), - Steindachner, 1902a: 138-139, pl. 5 fig. 2 [2 illustrations, in the text referred to as figs. 1, 1a] (description and figures of the holotype, 169 mm SL; a smaller specimen is recorded from the Rio Meta, Museum of Göttingen)

Sturisoma barbatum (Kner, 1854)

Lor[icaria] barbata Kner, 1854a: 87-89, pl. 5 figs. 1-3 (type-locality: Cujaba-Fluss; holotype, 10 inches 3 lines)

Sturisoma brevirostre (Eigenmann & Eigenmann, 1889)

Loricaria brevirostris Eigenmann & Eigenmann, 1889: 35 (type-locality: Iça; holotype, 210 mm; in subgenus Rineloricaria)

* Isbrücker & Nijssen, 1978b: 74-78, figs. 10f, 12-13, 14 (holotype; type-locality: Brazil, Est. Amazonas, Rio Amazonas system, Rio Iça,

a tributary of Rio Solimões, lower course of Rio Putumayo)

Sturisoma dariense (Meek & Hildebrand, 1913)

Oxyloricaria dariensis Meek & Hildebrand, 1913: 81-82 (type-locality: Rio Tuyra, Boca de Cupe, Panama, Pacific slope of eastern Panama; holotype, 245 mm)

Sturisoma festivum Myers, 1942

Sturisoma festivum Myers, 1942: 100-102, figs. 8-10 (type-locality: Rio Monay, 35 km. north of Trujillo, Motatan system, Maracaibo basin, Venezuela; holotype and 9 paratypes, 169 mm SL)

* Böhlke, 1953: 46 (holotype and 9 paratypes, listed)

See reference to Böhlke, 1953 under Hypostomus pusarum.

Sturisoma frenatum (Boulenger, 1902)

Loricaria frenata Boulenger, 1902: 69-70 (syntype-localities: North-western Ecuador, St. Javier (60 feet), Salidero (350 feet), and Rio Durango (350 feet); syntypes, 240 mm TL)

* Regan, 1904: 302 (8 syntypes)

* Isbrücker, 1979: 113 (designation of the lectotype)

The lectotype is from Salidero. There are 2 paralectotypes from the type-locality (BMNH 1901.8.3: 30-31), 2 paralectotypes from St. Javier (BMNH 1901.6.27: 23-24), and 3 paralectotypes from the Rio Durango (BMNH 1902.5.27: 46-48)

Sturisoma guentheri (Regan, 1904)

Oxyloricaria guentheri Regan, 1904: 299, pl. 18 figs. 1, 1a-b (type-locality: Xeberos, Upper Amazon; holotype, 230 mm TL; the species is also known from Manacapuru, Middle Amazon)

Sturisoma kneri (de Filippi, 1940)

Loricaria Kneri de Filippi, in Tortonese, 1940: 137 (type-locality: Lago di Maracaibo, Venezuela; holotype)

Sturisoma lyra (Regan, 1904)

Oxyloricaria lyra Regan, 1904: 300, pl. 19 figs. 2, 2a-b (type-locality: the Rio Jurua; 10 syntypes, 250 mm TL)

* Isbrücker, 1979: 113 (designation of the lectotype)

Sturisoma monopelte Fowler, 1914

Sturisoma monopelte Fowler, 1914: 274-276, fig. 18 (type-locality: Rupununi River, British Guiana; holotype, 265 mm)

Sturisoma nigrirostrum Fowler, 1940

Sturiosoma nigrirostrum Fowler, 1940a: 249-251, figs. 48-50 (type-locality: Ucayali River basin, Contamana, Peru; holotype and 2 paratypes, 220 mm)

Sturisoma panamense (Eigenmann & Eigenmann, 1889)

Loricaria panamensis Eigenmann & Eigenmann, 1889: 34-35 (type-locality: Panama; holotype, 95 mm; in subgenus Hemiodon)

* The size recorded by the Eigenmanns (also 1890: 365-366) is ".95 m. to base of caudal" apparently should read .095 m: the holotype is a small specimen.

* Regan, 1904: 301-302 (including the holotype)

Sturisoma robustum (Regan, 1904)

Oxyloricaria robusta Regan, 1904: 300, pl. 19 figs. 1, 1a-b (type-locality: the Rio Paraguay; 2 syntypes, 250 mm TL)

* Isbrücker, 1979: 113 (designation of the lectotype)

Sturisoma rostratum (von Spix, 1829)

Loricaria rostrata von Spix, in von Spix & Agassiz, 1829: 5-6, pl. 3 figs. 1-2, pl. A fig. 3 (type-locality: in Brasiliae fluviis; holotype, 7½ inches)

* Isbrücker, 1979: 113 (holotype lost)

The holotype was destroyed in World War II (Dr F. Terofal, pers. comm.)

Sturisoma tenuirostre (Steindachner, 1910)

Oxyloricaria tenuirostris Steindachner, 1910b: 410 (type-locality: dem Rio Meta in Venezuela; holotype, 126 mm SL; Oxyloricaria = Sturisoma)

METALORICARIINA Isbrücker, 1979

Metaloricariina Isbrücker, 1979: 88 & 90 (type-genus, Metaloricaria Isbrücker, 1975)
includes Metaloricaria

METALORICARIA Isbrücker, 1975

Metaloricaria Isbrücker, 1975a: 2 (type-species, by original designation and monotypy, Metaloricaria paucidens Isbrücker, 1975)

Metaloricaria nijsseni (Boeseman, 1976)

Harttia nijsseni Boeseman, 1976: 168, 170-174, tables 5-6, pl. 8 (type-locality: Sipaliwini River, south-western Surinam; holotype and 29 paratypes, 273 mm SL)

Metaloricaria paucidens Isbrücker, 1975

Metaloricaria paucidens Isbrücker, 1975a: 2-9, figs. 4a-f, pls. 1-3, table 1 (type-locality: French Guiana, creek at right bank of Ouaqui River, upstream of Saut Bali, Maroni river system; holotype and 13 paratypes, 270 mm SL)

F A R L O W E L L I N I Fowler, 1958

Acestrini Bleeker, 1862a: 4, Bleeker, 1863: 82 (type-genus, Acestra Kner, 1853)

Farlowellidi Fowler, 1958: 14 (substitute name for Acestrini Bleeker, 1862; type-genus, Farlowella Eigenmann & Eigenmann, 1889)
includes Farlowella

FARLOWELLA Eigenmann & Eigenmann, 1889

Acestra Kner, 1853a: 115 (pre-occupied in Insecta; type-species, by subsequent designation of Bleeker, 1862a: 4, Acestra acus Kner, 1854 = Farlowella acus)

Farlowella Eigenmann & Eigenmann, 1889: 32 (substitute name for Acestra Kner, 1853; type-species, Farlowella acus = Acestra acus Kner, 1854)

Farlowella acestrichthys Pearson, 1924

Farlowella acestrichthys Pearson, 1924: 25-26, pl. 8 fig. 2 (type-locality: Rurrenabaque, Rio Beni Basin, Bolivia; 3 syntypes, 235 mm)

Farlowella acus (Kner, 1854)

Ac[estra] acus Kner, 1854a: 93-94, pl. 8 figs. 1, 1a-b (type-locality: Caracas; holotype, 7 inches and 5 lines)

Farlowella agustini Martín Salazar, 1964

Farlowella agustini Martín Salazar, 1964: 255-257, fig. 5 (type-locality: Venezuela, en una quebrada límite entre los Estados Cojedes y Carabobo, carretera Campo Carabobo Taguanes, afluente del río Chirgua que a su vez lo es del río Pao; holotype and 3 paratypes, 113 mm SL)

Farlowella amazona (Günther, 1864)

Acestra amazonum Günther, 1864: 261 (type-locality: River Amazons, Santarem; holotype, 10 inches)

★ Regan, 1904: 305 (holotype)

Farlowella angosturae Martín Salazar, 1964

Farlowella angosturae Martín Salazar, 1964: 251-253, fig. 3 (type-locality: Venezuela, Caño Largo al oeste de Ciudad Bolívar, Edo. Bolívar; holotype and 2 paratypes, 115 mm SL)

Farlowella azygia Eigenmann & Vance, 1917

Farlowella azygia Eigenmann & Vance, 1917: 299, pl. 19 figs. 1-2 (type-locality: Santarem; holotype, 79 mm)

Farlowella boliviana Steindachner, 1910

Farlowella boliviana Steindachner, 1910c: 404-405 (type-locality: Kolumbien; holotype, 121 mm SL)

★ Isbrücker, 1979: 114 (holotype not found)

Farlowella carinata Garman, 1889

Farlowella carinata Garman, in Eigenmann & Eigenmann, 1889: 32-33 (syntype-localities: Santarem, Teffé, Gurupa, Obidos, Jutahy, Tabatinga, 15 syntypes)

★ Regan, 1904: 305 (a syntype)

★ van der Stigchel, 1946 & 1947: 184-185 (a syntype)

★ Isbrücker, 1979: 114 (designation of the lectotype)

The lectotype is from Brazil, Est. Pará, Gurupá (01°25' S, 51°36' W)

Farlowella curtirostra Myers, 1942

Farlowella curtirostra Myers, 1942: 102-103, fig. 11 (type-locality: Quebrada Tabor, tributary of the Rio Motatan system, 30 km. north

of Trujillo, Maracaibo basin, Venezuela; holotype and 2 paratopotypes, 12 paratypes from Rio Monay, 35 km. north of Trujillo; 93 mm SL)

★ Böhlke, 1953: 46 (holotype and 14 paratypes, listed)

See reference to Böhlke, 1953 under Hypostomus pusarum.

Farlowella gladiolus (Günther, 1864)

Acestra gladiolus Günther, 1864: 261-262 (type-locality: Rio Cupai; 3 syntypes, 5 inches)

★ Regan, 1904: 305, pl. 20 fig. 2 (3 syntypes)

★ Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella gladius (Boulenger, 1898)

Acestra gladius Boulenger, 1898a: 425, pl. 41 fig. 2 (type-locality: Rio Jurua; 2 syntypes, 215 mm TL)

★ Regan, 1904: 303 (the 2 syntypes)

★ Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella gracilis Regan, 1904

Farlowella gracilis Regan, 1904: 303, pl. 20 figs. 3, 3a-b (type-locality: Rio Caqueta, Cauca Valley, S. Colombia; holotype, 190 mm TL)

Farlowella guaricensis Martín Salazar, 1964

Farlowella guaricensis Martín Salazar, 1964: 253-255, fig. 4 (type-locality: río Guárico, en el puente de Uverito, carretera San Juan de Los Morros a Ortiz, Guárico, Venezuela; holotype and 7 paratypes, 120 mm SL)

Farlowella hahni Meinken, 1937

Farlowella hahni Meinken, 1937: 77-78, fig. 2 (type-locality: mittleren Paranâgebiete; 2 syntypes, 158 mm SL)

★ Isbrücker, 1979: 114 (the syntypes are lost)

Farlowella hargreavesi Eigenmann, 1912

Farlowella hargreavesi Eigenmann, 1912a: 252-253, pl. 32 fig. 3 (type-locality: British Guiana; holotype, 65 mm)

★ The holotype cannot be traced: perhaps it is lost.

Farlowella hasemani Eigenmann & Vance, 1917

Farlowella hasemani Eigenmann & Vance, 1917: 301, pl. 30 figs. 1-2 (type-locality: Para; holotype and 1 paratype, 170 mm)

Farlowella henriquei A. de Miranda Ribeiro, 1918

Farlowella henriquei A. de Miranda Ribeiro, 1918b: 636 (type-locality: Rio Vermelho, aff. do Araguaya, Sta. Rita das Antas; holotype)

★ **Britski, 1969: 208 (holotype)**

Farlowella jauruensis Eigenmann & Vance, 1917

Farlowella jauruensis Eigenmann & Vance, 1917: 300-301, pl. 30 fig. 3 (type-locality: Jaura; holotype, 133 mm)

Farlowella knerii (Steindachner, 1883)

Acestra Knerii Steindachner, 1883a: 177-178 (original diagnosis; type-locality: Canelos, Ecuador), - Steindachner, 1883b: 26-27, pl. 7 figs. 1, 1a (2 syntypes, 115 mm)

★ **Isbrücker, 1979: 114 (designation of the lectotype)**

Farlowella latisoma A. de Miranda Ribeiro, 1939

Farlowella latisoma A. de Miranda Ribeiro, 1939: 361 (type-locality: Oriximiná, Amazonas; holotype, 210 mm)

★ **P. de Miranda Ribeiro, 1955: 399 (holotype listed; Oriximiná, Pará)**

Farlowella mariaelenae Martín Salazar, 1964

Farlowella mariaelenae Martín Salazar, 1964: 246-248, fig. 1 (type-locality: Venezuela, río Salinas, brazo del río Pao Viejo al noreste de El Baúl, afluente del río Portuguesa, Edo. Cojedes; holotype and 9 paratypes, 112.1 or 112.6 mm SL)

Farlowella martini Fernández Yépez, 1972

Farlowella martini Fernández Yépez, 1972: 22-23, 2 line drawings, pl. 15 3 figs. (type-locality: Río or Quebrada Guarataro, tributary of Río Aroa, Río Magdalena basin, Venezuela; 2 holotypes and 19 paratypes, 216 mm)

Farlowella nattereri Steindachner, 1910

Farlowella nattereri Steindachner, 1910c: 403-404, fig. (type-locality: dem mittleren Amazonas-Gebiete ohne nähere Angabe des Fundortes, wahrscheinlich aus dem Rio negro; holotype, 96 mm SL)

Farlowella oliveirae A. de Miranda Ribeiro, 1939

Farlowella oliveirae A. de Miranda Ribeiro, 1939: 359-360 (type-locality Pará; holotype, 105 mm)

★ P. de Miranda Ribeiro, 1955: 399 (holotype, listed)

Farlowella oxyryncha (Kner, 1854)

Ac[estra] oxyryncha Kner, 1854a: 95-96, pl. 1 fig. 7, pl. 8 figs. 2, 2a-b (type-locality: Rio Mamoré, Cachoeira da Bananeira; holotype somewhat longer than 7 inches)

★ Also spelled Acestra oxyrrhyncha by Kner, 1854a: 97-98 (captions of plate 1 and 8)

Farlowella paranaensis Meinken, 1937

Farlowella paranaense Meinken, 1937: 78 (type-locality: mittleren Paraná-gebiete; holotype, 133 mm SL)

★ Isbrücker, 1979: 114 (holotype lost)

Farlowella parvicarinata Boeseman, 1971

Farlowella parvicarinata Boeseman, 1971: 22, 23, 25, 42-44, 56, fig. 5, tables 1, 11, pls. 7-8 (type-locality: right tributary of the Nickerie River, 12 km WSW of the Stondansie Falls, Surinam; 2 syntypes, 115.7 mm SL)

★ Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella pleurotaenia A. de Miranda Ribeiro, 1939

Farlowella pleurotaenia A. de Miranda Ribeiro, 1939: 360-361 (type-locality: Pará; holotype, 120 + 35 mm)

★ P. de Miranda Ribeiro, 1955: 399 (holotype, listed)

Farlowella pseudogladiolus Steindachner, 1910

Farlowella pseudogladiolus Steindachner, 1910c: 405, fig. (type-locality: dem mittleren Gebiete des Amazonenstromes ohne nähere Angabe des

Fundortes, wahrscheinlich aus dem Rio negro; holotype, 106 mm)

Farlowella reticulata Boeseman, 1971

Farlowella reticulata Boeseman, 1971: 22, 23, 25, 37-40, fig. 5, tables 1, 9, pls. 7-8 (type-locality: Maka Creek, left tributary of the Lawa River 10 km S of Stoelmanseiland, Marowijne River basin, Surinam; 3 syntypes, 118.5 mm SL)

* Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella roncallii Martín Salazar, 1964

Farlowella roncallii Martín Salazar, 1964: 258-259, fig. 6 (type-locality: Venezuela, en la quebrada El Ahorcado Aguirre, afluente del río Tirgua, Carabobo; holotype and 3 paratypes, 118.5 mm SL)

Farlowella rugosa Boeseman, 1971

Farlowella rugosa Boeseman, 1971: 21-22, 23, 25, 40-42, 56, fig. 5, tables 1, 10, pls. 7-8 (type-locality: Kamaloea or Saloea Creek, right tributary of the Marowijne River, 9 km SE of the outlet of the Gran Creek, French Guyane; 2 syntypes, 99.5 mm SL)

* Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella schreitmuelleri Ahl, 1937

Farlowella schreitmuelleri Ahl, 1937: 446-447 (type-locality: Santarem; 7 syntypes, 183 mm)

* Isbrücker, 1979: 114 (designation of the lectotype)

Farlowella scolopacina (de Filippi, 1853)

Loricaria scolopacina de Filippi, 1853: 166-167 (type-locality: in rivis prov. Venezuelae, Caracas)

* Tortonese, 1940: 137 (holotype, listed), - Isbrücker, 1979: 114 (record of the holotype)

Farlowella smithi Fowler, 1913

Farlowella smithi Fowler, 1913: 574-576, fig. 24 (type-locality: Madeira River, about 200 miles east of W. long. 62°20', Brazil; holotype and 1 paratype, 100 mm)

Farlowella venezuelensis Martín Salazar, 1964

Farlowella acus venezuelensis Martín Salazar, 1964: 250-251 (type-locality: Venezuela, río Colorado, de la Hoya del río Guarapiche en San Antonio de Maturín, Monagas; 15 syntypes, 213 mm SL)

Farlowella vittata Myers, 1942

Farlowella vittata Myers, 1942: 103, fig. 12 (type-locality: tributaries of the Rio Uribanto, from San Cristobal to the llanos, Venezuela; holotype and 6 paratypes, 141 mm SL)

* Böhlke, 1953: 46 (holotype and 6 paratypes, listed)

See reference to Böhlke, 1953 under Hypostomus pusarum.

ACESTRIDIINI Isbrücker & Nijssen, 1974

Acestridiinae Isbrücker & Nijssen, 1974a: 67 & 68 (type-genus,

Acestridium Haseman, 1911)

includes Acestridium

ACESTRIDIUM Haseman, 1911

Acestridium Haseman, 1911: 319 (type-species, by monotypy, Acestridium discus Haseman, 1911)

Acestridium discus Haseman, 1911

Acestridium discus Haseman, 1911a: 319-320, pl. 50 fig. 1, pl. 51 (type-locality: Igarapé de Cachoeira Grande, near Manaus, Brazil; holotype and 2 paratypes, 72 mm TL, collected in a grassy, cool, shady, swampy creek)

* Plate 50 was also bound in the copies of Haseman, 1911b I have seen.

LORICARIINI Bonaparte, 1831

reference as for the family

includes Rineloricariina
Loricariina
Planiloricariina
Reganellina
Loricariichthyina
Hemiodontichthyina

RINELORICARIINA Isbrücker, 1979

Rineloricariina Isbrücker, 1979: 87 & 89 (type-genus, Rineloricaria

Bleeker, 1862)
includes Ixinandria
Rineloricaria
Dasyloricaria
Spatuloricaria

IXINANDRIA Isbrücker & Nijssen, 1979

Ixinandria Isbrücker & Nijssen, in Isbrücker, 1979: 87 & 91 (type-species, by original designation, Ixinandria steinbachi = Loricaria Steinbachi Regan, 1906)

Ixinandria montebelloi (Fowler, 1940)

Canthopomus montebelloi Fowler, 1940b: 55, figs. 9-11 (type-locality: Monte Bello, Tarija, Bolivia; holotype, 85 mm)

* Boeseman, 1971: 27-28, pl. 2, table 3 (holotype)

Ixinandria steinbachi (Regan, 1906)

Loricaria Steinbachi Regan, 1906: 97-98 (type-locality: Salto, Argentina; 3 syntypes, 100 mm TL)

* Isbrücker, 1979: 113, figs. 1-4 (designation of the lectotype)

RINELORICARIA Bleeker, 1862

Rineloricaria Bleeker, 1862a: 3, - Bleeker, 1863: 81 (type-species, by original designation and monotypy, Rineloricaria lima = Loricaria lima Kner, 1854)

?Hemiloricaria Bleeker, 1862a: 3, - Bleeker, 1863: 81 (type-species, by original designation and monotypy, Hemiloricaria caracasensis Bleeker, 1862 = ? Rineloricaria caracasensis)

Rineloricaria altipinnis (Breder, 1925)

Loricaria altipinnis Breder, 1925: 1-4, figs. 1, 2a-b (type-locality: Rio Chico, Rio Chucunaque drainage, Darien, Panama; holotype and 11 paratypes, 154 mm SL)

Rineloricaria beni (Pearson, 1924)

Loricaria beni Pearson, 1924: 25, pl. 5 fig. 4 (type-locality: Lagoons, Lake Rogoagua, Rio Beni basin, Bolivia; 3 syntypes, 78 mm)

Rineloricaria cacerensis (A. de Miranda Ribeiro, 1912)

Loricaria cacerensis A. de Miranda Ribeiro, 1912: 11 (type-locality: Caceres, M. Grosso, Aguas do Paraguay; 3 syntypes)

★ P. de Miranda Ribeiro, 1955: 400 (designation of the lectotype)

Rineloricaria cadeae (Hensel, 1868)

Loricaria cadeae Hensel, 1868: 369-371 (type-locality: Southern Brazil, in den kleinen steinigen Bächen, die in den Rio Cadéa münden; 2 syntypes, 112 mm SL)

★ Isbrücker, 1979: 112 (designation of the lectotype)

Rineloricaria caracasensis (Bleeker, 1862)

Loricaria rostrata van der Hoeven, 1852: 90 (type-locality: Caracas; material in Reichsmuseum zu Leyden; holotype; pre-occupied in Loricaria rostrata von Spix, 1829, now Sturisoma rostratum)

Hemiloricaria caracasensis Bleeker, 1862a: 3, - Bleeker, 1863: 81 (type-locality: Caracas; holotype, same specimen as the holotype of Loricaria rostrata van der Hoeven, 1852)

★ van der Stigchel, 1946 & 1947: 176-178 (including the holotype)

★ Boeseman, 1972: 312-315, pl. 1 (including the holotype; "it seems warranted to provisionally consider the region around Bogotá and Villavicencio to be the type locality")

Rineloricaria catamarcensis (Berg, 1895)

Loricaria catamarcensis Berg, 1895: 137-139 (type-locality: Argentina, Arroyo del Tala, en la Provincia de Catamarca)

Rineloricaria cubataonis (Steindachner, 1907)

Loricaria cubataonis Steindachner, 1907: 489-490 (type-locality: dem Flusse Cubatão im Staate Santa Catharina bei Theresopolis, Brasilien; holotype, 54 mm SL)

★ Isbrücker, 1979: 113 (holotype not found)

Rineloricaria eigenmanni (Pellegrin, 1908)

Loricaria Eigenmanni Pellegrin, 1908: 125-126 (type-locality: Sarare, Venézuéla; 2 syntypes, 102 mm SL)

★ Isbrücker, 1979: 113 (designation of the lectotype)

Rineloricaria fallax (Steindachner, 1915)

Loricaria (Loricariichthys) fallax Steindachner, 1915c: 101-103 (pp. 87-89 of reprint), pl. 13 figs. 1-4 (syntype-localities: Rio Rupununi, dem Rio Parimé bei Serra do Banco, aus einem Igarapé bei Capivari, dem Rio Branco bei Bem Querer und Conceição, einem Flusse bei Maguary an der Braganzabahn bei Pará; syntypes)

* Isbrücker & Nijssen, 1979: 197-200, tables Id, IIIh (designation of the lectotype; type-locality: Brazil, Est. Roraima, Igarapé de Ca-rauná (= Sa. Grande, 02°35' N, 60°45' W) near Boa Vista (02°51' N, 60°43' W), altitude 200 m above sea level, Rio Branco drainage, Rio Amazonas basin)

Rineloricaria felipponei (Fowler, 1943)

Loricaria felipponei Fowler, 1943b: 319-321, figs. 7-9 (type-locality: Uruguay, paratypes from Uruguay, Rio Santa Lucia, Canelones; holotype and 6 paratypes, 113 mm)

Rineloricaria formosa Isbrücker & Nijssen, 1979

Rineloricaria formosa Isbrücker & Nijssen, 1979: 192-197, figs. 1, 3, 6, tables Ia, IIIa-e (type-locality: Colombia, lagoon about 1 km upriver from Puerto Inírida, Río Inírida/Río Orinoco drainage; holotype and 59 paratypes, 151.5 mm SL)

Rineloricaria hasemani Isbrücker & Nijssen, 1979

Rineloricaria hasemani Isbrücker & Nijssen, 1979: 198, 200-203, figs. 4, 5a, 6, tables IIa, IIIl-n (type-locality: Brazil, Est. Pará, Maguary near Belém, along the Bragança railroad, in forest streams which empty into Rio Guamá; holotype and 2 paratypes, 136.9 mm SL; holotype and 1 paratype are also paralectotypes of Loricaria (Loricariichthys) fallax)

Rineloricaria henselii (Steindachner, 1907)

Loricaria Henselii Steindachner, 1907b: 488-489 (type-locality: dem Flusse Cubatão im Staate Santa Catharina bei Theresopolis, Brasilien; holotype, 75 mm SL)

* Isbrücker, 1979: 113 (holotype not found)

Rineloricaria heteroptera Isbrücker & Nijssen, 1976

Rineloricaria heteroptera Isbrücker & Nijssen, 1976a: 112-120, figs.

1-4 (type-locality: Brazil, Est. Amazonas, creek in reserve Ducke near Manaus, 03°06' N, 60°00' W, a tributary of Rio Preto da Eva, 10 km NE of Manaus, forest creek, clear water, bottom with sand, width about 300 cm, depth about 40 cm; holotype, allotype, and 22 paratypes, 133.2 mm SL)

Rineloricaria hoehnei (A. de Miranda Ribeiro, 1912)

Loricaria hoehnei A. de Miranda Ribeiro, 1912: 11-12 (type-locality: Coxim, no Rio Paraguay; holotype, 58 mm TL)

★ P. de Miranda Ribeiro, 1955: 400 (holotype, listed)

Rineloricaria jaraguensis (Steindachner, 1909)

Loricaria jaraguensis Steindachner, 1909: 196-197 (type-locality: dem Jaraguá und dessen Nebenflüssen im brasilianischen Staate Sa. Catharina; syntypes, 166 mm)

Loricaria jaraguensis Steindachner, 1910a: 57-58 (second "original description"; type-locality: dem Flussgebiete des Jaraguá und der Ribeira im Staate S. Paulo und Sa. Catharina; syntypes, 185 mm)

★ Isbrücker, 1979: 113 (designation of the lectotype)

Rineloricaria jubata (Boulenger, 1902)

Loricaria jubata Boulenger, 1902: 70-71 (syntype-localities: North-western Ecuador, St. Javier (60 feet), and the Rio Durango (350 feet); syntypes, 210 mm TL)

★ Regan, 1904: 278, pl. 15 fig. 5 (4 syntypes)

★ Isbrücker, 1979: 112 (designation of the lectotype)

The lectotype is from the Río Durango.

Rineloricaria konopickyi (Steindachner, 1879)

Loricaria Konopickyi Steindachner, 1879a: 34 (original diagnosis), - Steindachner, 1879b: 45-47, pl. 6 fig. 3, pl. 7 figs. 1, 1a (type-locality: dem mittleren Laufe des Amazonenstromes; holotype, 96 mm without caudal fin)

Rineloricaria kronei (A. de Miranda Ribeiro, 1911)

Loricaria kronei A. de Miranda Ribeiro, 1911: 132-133 (type-locality: Rio Iporanga, S. Paulo; the holotype was previously recorded by A. de Miranda Ribeiro (1907: 187) as the male of Loricaria lima from either the Ribeira do Turvo or the Rio Ribeira)

Rineloricaria lanceolata (Günther, 1868)

Loricaria lanceolata Günther, 1868a: 477-478 (type-locality: Xeberos), - Günther, 1868b: 235, fig. 3 (holotype, 3 $\frac{3}{4}$ inches)

* Regan, 1904: 277 (including the holotype)

* Isbrücker, 1973a: 75-78, fig. 1, table Ia (including the holotype), - Isbrücker & Nijssen, 1976a: 120 (additional data of the holotype)

Rineloricaria latirostris (Boulenger, 1900)

Loricaria latirostris Boulenger, 1900: 165-166 (type-locality: Southern Brazil, Province São Paulo, Mogy-guassu River, about 250 miles inland of Santos; 2 syntypes, 360 mm TL)

Loricaria paulina Boulenger, 1900: 166 (type-locality: Southern Brazil, Province São Paulo, Mogy-guassu River; 2 syntypes, 210 mm TL)

* Regan, 1904: 283-284, pl. 16 fig. 1 (the 2 syntypes, and the 2 syntypes of Loricaria paulina)

* Isbrücker, 1979: 112 (designation of the lectotype, and designation of the lectotype of Loricaria paulina)

Rineloricaria lima (Kner, 1854)

Lor[icaria] lima Kner, 1854a: 89, pl. 6 figs. 1a-b (type-locality: Brasilien; holotype)

* Isbrücker, 1979: 112 (holotype probably lost)

Rineloricaria magdalenae (Steindachner, 1878)

Loricaria Magdalenae Steindachner, 1878b: 74-75 (pp. 58-59 of reprint)

(type-locality: aus der grossen, seeartig ausgebreiteten Cienega, welche der Magdalenen-Strom mit einem seiner östlich gelegenen Hauptarme kurz vor seiner Mündung in das Meer bildet; 8 syntypes, 130 mm without caudal fin), - Steindachner, 1879b, pl. 7 figs. 2, 2a, 3, 3a-b (illustrations of a male and a female syntype)

* Boeseman, 1972: 312-315, pl. 2 (including a syntype)

* Isbrücker, 1979: 112 (designation of the lectotype)

Rineloricaria melini (Schindler, 1959)

Loricariichthys melini Schindler, 1959: 387-389, figs. 1a-c, 2 (type-locality: Rio Solimoes beim Ort Manacapuru, nahe der Mündung des Rio Negro; holotype, 129.5 mm SL)

★ Isbrücker & Nijssen, 1979: 196-197, tables 1c, IIIg (holotype)

Rineloricaria microlepidogaster (Regan, 1904)

Loricaria microlepidogaster Regan, 1904: 283, pl. 15 figs. 4, 4a-b (in subgenus Rhineloricaria; type-locality: Rio Grande do Sul; holotype, 95 mm TL)

Rineloricaria microlepidota (Steindachner, 1907)

Loricaria lima var. microlepidota Steindachner, 1907c: 154 (pp. 3-4 of reprint) (type-locality: dem Juruá; 6 syntypes, 145 mm)

★ Isbrücker, 1979: 113 (syntypes not found)

Rineloricaria morrowi Fowler, 1940

Rhineloricaria morrowi Fowler, 1940a: 244-246, figs. 39-41 (type-locality: Ucayali River basin, Contamana, Peru; holotype, 165 mm)

★ Isbrücker & Nijssen, 1979: 195-196, tables 1b, IIIf (holotype)

Rineloricaria nigricauda (Regan, 1904)

Loricaria nigricauda Regan, 1904: 275, pl. 16 figs. 2, 2a-b (in subgenus Rhineloricaria; type-locality: Porto Real, Province Rio de Janeiro; 4 syntypes, 65 mm TL)

★ Isbrücker, 1979: 113 (designation of the lectotype)

Rineloricaria pareiacantha (Fowler, 1943)

Loricaria pareiacantha Fowler, 1943b: 321-322, figs. 10-12 (type-locality: Rio Santa Lucia, Canelones, Uruguay; holotype, 100 mm)

Rineloricaria parva (Boulenger, 1895)

Loricaria parva Boulenger, 1895: 527 (type-locality: Descalvados, Matto Grosso, Brazil; syntypes, 110 mm TL), - Boulenger, 1896: 32, pl. 8 figs. 1, 1a-b (syntypes)

★ Regan, 1904: 276 (8 syntypes)

★ Isbrücker, 1979: 112 (designation of the lectotype)

Rineloricaria phoxocephala (Eigenmann & Eigenmann, 1889)

Loricaria phoxocephala Eigenmann & Eigenmann, 1889: 37-38 (in subgenus Parahemiodon; type-locality: Coary; 2 syntypes, 150 mm SL)

- * Regan, 1904: 276-277 (including a syntype)
- * Isbrücker, 1979: 112 (designation of the lectotype)

Rineloricaria platyura (Müller & Troschel, 1848)

L[oricaria] platyura Müller & Troschel, in R. Schomburgk, 1848: 631 (type-locality: Britisch Guiana, Rupununi; holotype; maximum size 8 inches)
Loricaria submarginatus Eigenmann, 1909: 10-11 (type-locality: British Guiana, Creek below Potaro Landing; holotype, 92 mm SL, 142 mm TL)

- * Kner, 1854b: 257 (in footnote, on the holotype)
- * Eigenmann, 1912a: 248-249, pl. 30 fig. 4, pl. 31 fig. 3 (including the holotype and the holotype of Loricaria submarginatus)
- * Isbrücker & Nijssen, 1979: 198, tables Ie-f, IIIi-j (data of the holotype and of the holotype of Loricaria submarginatus, respectively)

Rineloricaria rupestre (Schultz, 1944)

Loricaria uracantha rupestre Schultz, 1944a: 325-328, pl. 12 figs. A-B (type-locality: Venezuela, in the Río San Pedro at the bridge south of Mene Grande, Motatán system, Maracaibo Basin; holotype and 115 paratypes, 91 mm SL)

Rineloricaria sneiderni (Fowler, 1944)

Loricaria sneiderni Fowler, 1944: 240-242, figs. 17-19 (type-locality: Northwestern Colombia, Rio Jurubidá, Nuquí, in brook, at 3000 feet elevation, paratype from clear water; holotype and 1 paratype, 180 mm)

Rineloricaria steindachneri (Regan, 1904)

Loricaria steindachneri Regan, 1904: 281-282 (in subgenus Rineloricaria; syntype-localities: Eastern Brazil, from the R. Preto to the R. Parahyba; based upon Loricaria lima sensu Steindachner, 1882b: 6, pl. 1; syntypes, 190 mm TL)

- * Isbrücker, 1979: 113 (designation of the lectotype)

Rineloricaria stewarti (Eigenmann, 1909)

Loricaria stewarti Eigenmann, 1909: 9-10 (type-locality: British Guiana, Chipoo Creek, a tributary of the Ireng; holotype and 11 paratypes, 64 mm SL)

* Eigenmann, 1912a: 249-250, pl. 30 fig. 5 (holotype and 11 paratypes)

* Isbrücker & Nijssen, 1979: 202-203, fig. 5b, tables IIb, IIIo (holotype)

Rineloricaria strigilata (Hensel, 1868)

Loricaria strigilata Hensel, 1868: 368-369 (type-locality: Southern Brazil, in einem steinigem Bache bei Santa Cruz; holotype, 110 mm SL)

Rineloricaria teffeana (Steindachner, 1879)

L[oricaria] teffeana Steindachner, 1878b: 75 (p. 59 of reprint) (nomen nudum)

Loricaria teffeana Steindachner, 1879a: 34 (original diagnosis; Teffé, Amazonenstrom), - Steindachner, 1879b: 44-45, pl. 6 fig. 2 (type-locality: dem Amazonenstrom bei Teffé; syntypes, 140 mm without caudal filament)

Loricaria Valenciennesii Vaillant, 1880b: 157-158 (type-locality: Calderon; holotype, 109 mm TL)

* Eigenmann & Eigenmann, 1890: 379-380 (12 syntypes?)

* Regan, 1904: 286-287 (as Loricaria typus, including the holotype of Loricaria Valenciennesii)

* Isbrücker, 1971b: 16 (record of the holotype of Loricaria valenciennesii)

* Isbrücker, 1979: 112 (designation of the lectotype)

Rineloricaria thrissoceps (Fowler, 1943)

Loricaria thrissoceps Fowler, 1943b: 322, figs. 13-15 (type-locality: Rio Santa Lucia, Canelones, Uruguay; holotype, 106 mm)

Rineloricaria uracantha (Kner & Steindachner, 1863)

Loricaria uracantha Kner & Steindachner, in Kner, 1863: 228-229 (type-locality: Rio Chagres, Nordseite von Panama; presumably 2 syntypes), Kner & Steindachner, 1865 ["1870", but see Hubbs, 1953]: 56-58, pl. 6 fig. 3 (Neu-Granada und dem Rio Chagres; syntypes, 5½ inches)

Loricaria bransfordi Gill, 1876: 338-339 (type-locality: Isthmus of

Panama, Empire Station; holotype)

- * Isbrücker, 1979: 112 (syntypes were destroyed in World War II
Munnich Museum)

Rineloricaria wolfei Fowler, 1940

Rhineloricaria wolfei Fowler, 1940a: 241-243, figs. 33-35 (type-locality:
Ucayali River basin, Contamana, Peru; holotype, 149 mm)

DASYLORICARIA Isbrücker & Nijssen, 1979

Dasyloricaria Isbrücker & Nijssen, in Isbrücker, 1979: 87 & 90 (type-
species, by original designation, Dasyloricaria filamentosa = Lori-
caria filamentosa Steindachner, 1878)

Dasyloricaria capetensis (Meek & Hildebrand, 1913)

Loricaria capetensis Meek & Hildebrand, 1913: 80-81 (type-locality: Rio
Capeti, Panama, Tuyra River basin; holotype, 164 mm)

Dasyloricaria filamentosa (Steindachner, 1878)

Loricaria filamentosa Steindachner, 1878a: 90 (original diagnosis; type-
locality: Magdalenaen-Strom), - Steindachner, 1878b: 45-47 (pp. 29-
31 of reprint) (type-locality: der grossen, seeartig ausgebreiteten
Cienega, welche der Magdalenaen-Strom mit einem seiner östlich ge-
legenen Hauptarme kurz vor seiner Mündung in das Meer bildet; syn-
types, 260 mm)

- * Nielsen, 1974: 52 (syntype listed; Rio Magdalena, Columbia)
See reference to Nielsen, 1974 under Hemipsilichthys gobio.
* Isbrücker, 1979: 113 (designation of the lectotype)

Dasyloricaria latiura (Eigenmann & Vance, 1912)

Loricaria filamentosa latiura Eigenmann & Vance, in Eigenmann, 1912b: 13
(type-locality: Colombia, Boca de Certegai; 12 syntypes)

- * Eigenmann, 1922: 91, pl. 15 fig. 3 (the 12 syntypes and a specimen,
320 mm; illustrated syntype 210 mm)

Dasyloricaria seminuda (Eigenmann & Vance, 1912)

Loricaria filamentosa seminuda Eigenmann & Vance, in Eigenmann, 1912b: 13
(type-locality: Colombia, Girardot; holotype, 182 mm SL)

* Eigenmann, 1922: 91, pl. 14 figs. 1-2 (holotype)

Dasyloricaria tuyrensis (Meek & Hildebrand, 1913)

Loricaria tuyrensis Meek & Hildebrand, 1913: 81 (type-locality: Rio Tuyra, Boca de Cupe, Panama; holotype, 350 mm)

SPATULORICARIA Schultz, 1944

Spatuloricaria Schultz, 1944a: 287 & 334 (type-species, by original designation and monotypy, Spatuloricaria phelpsi Schultz, 1944)

Euacanthagenys Fowler, 1945c: 123-125 (type-species, by original designation and monotypy, Euacanthagenys caquetae Fowler, 1945 = Spatuloricaria euacanthagenys Isbrücker, 1979; Loricaria caquetae Fowler, 1943 = Spatuloricaria caquetae and pre-occupies the specific name of the type-species of Euacanthagenys)

Spatuloricaria atratoensis Schultz, 1944

Spatuloricaria atratoensis Schultz, 1944b: 155-156 (type-locality: the Río Truando, a tributary of Río Atrato, Colombia; holotype, 338 mm SL)

Spatuloricaria caquetae (Fowler, 1943)

Loricaria caquetae Fowler, 1943a: 261-263, figs. 60-62 (type-locality: Florencia, Rio Orteguasa, Colombia; holotype and 1 paratype, 370 mm)

Spatuloricaria curvispina (Dahl, 1941)

Loricaria curvispina Dahl, 1941: 85-86, figs. 5-7 (type-locality: Rio Batatal, tributary to Rio San Jorge, which is next to Rio Cauca the largest tributary to Rio Magdalena, Department of Bolivar, Colombia; holotype, 279 mm SL)

Spatuloricaria euacanthagenys Isbrücker, 1979

Euacanthagenys caquetae Fowler, 1945c: 125-126, figs. 37-40 (type-locality: Morelia, Rio Caquetá drainage, Colombia; holotype, 520 mm; specific name pre-occupied in Spatuloricaria)

Spatuloricaria euacanthagenys Isbrücker, 1979: 86, 87, 113, figs. 24-26 27b (substitute name for Euacanthagenys caquetae Fowler, 1945)

Spatuloricaria evansii (Boulenger, 1892)

Loricaria Evansii Boulenger, 1892: 10-11, pl. 1 (type-locality: Jangada, Brazil, Province of Matto Grosso; holotype, 205 mm TL)

? Loricaria cirrhosa Perugia, 1897: 22-23 (type-locality: Rio Beni, Missioni Mosetenes, Bolivia; syntypes, 200 mm SL)

★ Regan, 1904: 290 (holotype)

★ Tortonese, 1963: 311 (4 syntypes of Loricaria cirrhosa Perugia, 1897)

★ Isbrücker, 1972: 183-186, figs. 11, 12n-o, table I L-N (3 paralecto-
types of Loricaria lata)

★ Isbrücker, 1973b: 174-181, figs. 1-3, table 1 (the holotype, and designation of the lectotype of Loricaria cirrhosa Perugia, 1897)

Spatuloricaria fimbriata (Eigenmann & Vance, 1912)

Loricaria fimbriata Eigenmann & Vance, in Eigenmann, 1912b: 12-12 (type-locality: Colombia, Boca de Certegai; holotype and 2 paratypes, 84 mm SL; the paratypes are from Colombia, Bernal Creek)

★ Eigenmann, 1922: 93, pl. 15 figs. 1-2 (holotype and 2 paratypes)

Spatuloricaria gymnogaster (Eigenmann & Vance, 1912)

Loricaria gymnogaster Eigenmann & Vance, in Eigenmann, 1912b: 12 (type-locality: Colombia, Apulo; holotype and 7 paratypes; 41 paratypes from Colombia, Girardot; 182 mm SL)

★ Eigenmann, 1922: 92, pl. 14 figs. 3-4 (holotype and 48 paratypes)

Spatuloricaria lagoichthys (Schultz, 1944)

Loricaria gymnogaster lagoichthys Schultz, 1944a: 331-334, pl. 13 (type-locality: Venezuela, the Río Palmar near Totuma, about 100 km southwest of Maracaibo; holotype, 18 paratypes, 555 paratypes, and 1 non-type specimen; 305 mm SL)

★ Isbrücker, 1979: 111, fig. 27a (dentition of the holotype, a female)

Spatuloricaria nudiventris (Valenciennes, 1840)

Loricaria nudiventris Valenciennes, in Cuvier & Valenciennes, 1840: 469-470 (Paris ed.), : 346-347 (Strasbourg ed.) (type-locality: la rivière de Saint-François au Brésil; holotype)

★ Regan, 1904: 290 (holotype)

Spatuloricaria phelpsi Schultz, 1944

Spatuloricaria phelpsi Schultz, 1944a: 335, pl. 14 (type-locality: the Río Socuy 3 km. above its mouth, Maracaibo Basin, Venezuela; holotype, 338 mm SL)

* Isbrücker, 1979: 112, fig. 27c (dentition of the holotype, a male)

Spatuloricaria pujanensis (Pearson, 1937)

Loricaria pujanensis Pearson, 1937: 96-97 (type-locality: Pusoc, Rio Marañon, Peru; 10 syntypes from the type-locality; 5 syntypes from Tingo de Pauca, Rio Marañon, Peru; 220 mm)

* Isbrücker, 1979: 113 (designation of the lectotype)

LORICARIINA Bonaparte, 1831

reference as for the family

includes Ricola
Paraloricaria
Loricaria
Brochiloricaria
Crossoloricaria
Pseudohemiodon
Rhadinoloricaria

RICOLA Isbrücker & Nijssen, 1978

Ricola Isbrücker & Nijssen, 1978a: 179 & 182-183 (type-species, by original designation and monotypy, Ricola macrops = Loricaria (Loricaria) macrops Regan, 1904)

Ricola macrops (Regan, 1904)

Loricaria macrops Regan, 1904: 290-291, pl. 17 figs. 3, 3a (in subgenus Loricaria; type-locality: the R. de la Plata; 2 syntypes, 235 mm TL)

* Isbrücker & Nijssen, 1978a: 184-188, figs. 1-3, tables Ia, II (designation of the lectotype)

PARALORICARIA Isbrücker, 1979

Paraloricaria Isbrücker, 1979: 87 & 90 (type-species, by original designation, Paraloricaria vetula = Loricaria vetula Valenciennes, 1840)

Paraloricaria agastor Isbrücker, 1979

Paraloricaria agastor Isbrücker, 1979: 103, figs. 20-21, 22c, 23, tables If and IIf (type-locality: Paraguay, Rio ? Paraguay; holotype, 153 mm SL, a paralectotype of Loricaria apeltogaster Boulenger, 1895)

Paraloricaria commersonoides (Devincenzi, 1943)

Loricaria commersonoides Devincenzi, 1943: 3-6, figs. 2-4 (type-locality: el río Uruguay, frente a la ciudad de Paysandú; holotype, 375 mm SL, 438 mm TL)

★ Luengo, 1966: 20 (holotype listed: "No encontrado")

★ Isbrücker, 1979: 112 (holotype lost)

Paraloricaria vetula (Valenciennes, 1840)

Loricaria vetula Valenciennes, in Cuvier & Valenciennes, 1840: 466-468 (Paris ed.), : 344-346 (Strasbourg ed.) (type-locality: des environs de Buénos Ayres; holotype, 16 inches, caudal filament 5 inches; reference to pl. VI fig. 2, illustration of the holotype, Valenciennes, in d'Orbigny)

★ Valenciennes, in d'Orbigny, 1847: 8, pl. 6 fig. 2 (holotype)

★ Regan, 1904: 293 (including the holotype)

LORICARIA Linnaeus, 1758

Loricaria Linnaeus, 1758: 307-308 (type-species, by monotypy, Loricaria cataphracta Linnaeus, 1758)

Fusiloricaria Fowler, 1940a: 247 (subgenus of Loricaria; type-species, by original designation and monotypy, Loricaria (Fusiloricaria) clavipinna Fowler, 1940)

Loricaria apeltogaster Boulenger, 1895

Loricaria apeltogaster Boulenger, 1895: 528 (type-locality: Paraguay, Rio ? Paraguay; 4 syntypes, 210 mm TL), - Boulenger, 1896: 33, pl. 7 figs. 2, 2a-b (the 4 syntypes)

★ Regan, 1904: 292-293 (the 4 syntypes)

★ Isbrücker, 1979: 103, 110, figs. 20-21, 22a (designation of the lectotype; one of the paralectotypes described as Paraloricaria agastor)

- Loricaria cataphracta Linnaeus, 1758
[Loricaria dura] Linnaeus, 1754: 79-80, pl. 29 (India [= South America]; pre-Linnaean, invalid)
[Plecostomus no. 69] Gronovius, 1754: 26-27 (description), - Gronovius, 1756: 16 (diagnosis)
Loricaria cataphracta Linnaeus, 1758: 307-308 (in part; type-locality: in America meridionali [syntypes])
[Plecostomus corpore aculeato, ...etc.] Seba, 1759: 88 (not pl. 29 fig. 14) (in part; non-binominal, invalid)
[Plecostomus no. 392] Gronovius, 1763: 127 (diagnosis; = Plecostomus no. 69 Gronovius, 1754)
[Plecostomus cataphracta] Meuschen, 1778: 39 (species no. 382, Gewapende Harnasman, praecedentis varietas, based upon Plecostomus no. 69 & no. 392 of Gronovius, 1754 & 1763; invalidated by Hemming (ed.), 1954a)
[Plecostomus seu Loricaria loricaria] Meuschen, in Gronovius, 1781, Index Piscium (invalidated by Hemming (ed.), 1954b; name for Plecostomus no. 392 = Plecostomus no. 69 Gronovius, 1763 & 1754)
Loricaria Cirrhosa Bloch & Schneider, 1801: 125, pl. 125 (substitute name for Loricaria cataphracta Linnaeus, 1758; invalid)
Loricaria setifera Lacepède, 1803: 140 & 141 (substitute name for Loricaria cataphracta Linnaeus, 1758; invalid)
Loricaria Dentata Shaw, 1804: 37 (substitute name for Loricaria cataphracta Linnaeus, 1758; invalid)
Plecostomus flagellaris Gronovius, ed. Gray, 1854: 158 (name for Plecostomus no. 69 Gronovius, 1754, and Plecostomus no. 392 Gronovius, 1763 & 1781)
Loricaria carinata de Castelnau, 1855: 46, pl. 23 fig. 3 (type-locality la rivière des Amazones; holotype, 228 mm SL)
Loricaria dura Bleeker, 1862a: 3 (substitute name for Loricaria cataphracta Linnaeus, 1758, ex-Linnaeus, 1754; invalid), - Bleeker, 1863: 80 (same as the preceding reference), - Bleeker, 1864: 18-20 (description; 6 specimens; Surinam, Mejico)

Reference:

Meuschen, F. C.

- 1778 *Museum Gronovianum. Sive index rerum naturalium tam mammalium amphibiorum piscium insectorum conchyliorum zoophytorum planta-*

rum et mineralium exquisitissimorum quam arte factarum nonnullarum. Inter quae eminet herbarius siccus plantarum a tovrnefortio claitonio Linnaeo aliisque botanicis collectarum. Quae omnia multa cura et magnis sumptibus sibi comparavit vir amplissimus & celeberrimus Lavr. Theod. Gronovius J. V. D. civitatis Lugduno Batavae senator et scabinus societatis regiae Londinensis Basilaensis et Hollandae quae Harlemi est aliorumque socius &c. &c. Quae publice subhasta dictrahentur in aedibus Defuncti, Ad diem Mercurii 7. Octobris & seqq. 1778. Diebus 1. & 2. Octobris Museum patebit (T. Haak & Socios, Lugdvni Batavorum), : i-vi, 1-231 (232), 1 unpagged page (recto advertisements, verso blanc).

- * Regan, 1904: 292 (including the holotype of Loricaria carinata)
- * Isbrücker, 1972: 163-179, 186-187, figs. 1-8, 12a-j, table I A-F (designation of the neotype; designation of the lectotype of Loricaria cirrhosa Bloch & Schneider, 1801; redescriptions of the holotype of Plecostomus flagellaris and of Loricaria carinata, respectively, as provisionally distinct species; type-locality restricted to: Surinam, district Marowijne, mouth of Marowijne River near Galibi, 05°45' N, 54°00' W, in fresh water)
 - The designation of the lectotype of Loricaria cirrhosa Bloch & Schneider, 1801, is invalid, since the primary type-material is also that of Loricaria cataphracta.
 - The designation of the neotype should be invalidated, because subsequently 2 original syntypes of Loricaria cataphracta were found.
- * Boeseman, 1972: 311-312 (4 syntypes of Loricaria dura Bleeker, 1862; type-locality: Surinam, probably not far from Paramaribo)
- * Boeseman, 1976: 156-160, fig. 2, pl. 1, table 1 (description; discussion; Bleeker's material of Loricaria dura are not type-specimens)
- * Isbrücker, 1979: 110 (indication of the lectotype; discussion)

Loricaria clavipinna Fowler, 1940

Loricaria clavipinna Fowler, 1940a: 247-249, figs. 44-47 (in subgenus Fusiloricaria; type-locality: Ucayali River basin, Contamana, Peru; holotype, 161 mm to tip of lower caudal lobe)

Loricaria lata Eigenmann & Eigenmann, 1889

Loricaria lata Eigenmann & Eigenmann, 1889: 36-37 (in subgenus Loricaria; type-locality: Goyaz; 11 syntypes, 270 mm)

* Regan, 1904: 292 (including a syntype)

* Isbrücker, 1972: 179-183, figs. 9-10, 12k-m, table I G-K (designation of the lectotype), - Isbrücker, 1973b: 174 (type-locality: Brazil, Est. Goiás, Rio Araguaia drainage, upper course of Rio Vermelho at Goiás, 15°57' S, 50°07' W), - Isbrücker & Nijssen, 1978a: 194-195 (lectotype and 5 paralectotypes; comparison)

Loricaria lentiginosa Isbrücker, 1979

Loricaria prolixa lentiginosa Isbrücker, 1979: 97, figs. 9-10, 23, tables Ia & IIa (type-locality: Brésil, Est. Sao Paulo, haut bassin du Rio Parana, Represa de Volta Grande, Rio Grande; holotype and 3 paratypes, 292.5 mm SL)

Loricaria nickeriensis Isbrücker, 1979

Loricaria nickeriensis Isbrücker, 1979: 97-98, figs. 11-13, 23, tables Ib & IIb (type-locality: Surinam, district Nickerie, rapide dans la rivière Fallawatra, 5 km SSW des chutes Stondansie, largeur 60 cm, fond de sable, pierres; holotype and 19 paratypes, 119.5 mm SL)

Loricaria parnahybae Steindachner, 1907

Loricaria parnahybae Steindachner, 1907c: 153-154 (pp. 2-3 of reprint) (type-locality: dem Rio Parnahyba an der Mündung eines Baches bei Victoria [now Alto Parnaíba]; syntypes, 152 mm SL)

Loricaria piauhiae Fowler, 1941b: 163-164, figs. 72-74 (type-locality: Rio Parnahyba, Therezina, Piauhy; holotype, 148 mm)

* Isbrücker, 1979: 110 (designation of the lectotype)

Loricaria piracicabae von Ihering, 1907

Loricaria piracicabae von Ihering, 1907: 28 & 30 (description in English) : 29 & 31 (description in Portuguese) (type-locality: Piracicaba, Piracicaba-River, State of S. Paulo; holotype, 190 mm)

* Britski, 1969: 208 (holotype)

Loricaria prolixa Isbrücker & Nijssen, 1978

Loricaria macrochir von Ihering & Eigenmann, in A. de Miranda Ribeiro, 1918c: 718-719 (nomen nudum, published in synonymy of Loricaria macrodon sensu A. de Miranda Ribeiro, 1918)

Loricaria prolixa Isbrücker & Nijssen, 1978a: 188-195, figs. 4a, 5, tables I & III (type-locality: Brazil, Est. Sao Paulo, Rio Piracicaba, through River Tieté, Rio Paraná system, Piracicaba, 22°45' S, 47°40' W; holotype and 6 paratypes, 346 mm SL)

Loricaria simillima Regan, 1904

Loricaria simillima Regan, 1904: 292, pl. 17 figs. 2, 2a-b (in subgenus Loricaria; type-locality: Canelos, E. Ecuador; 3 syntypes, 175 mm TL)

★ Isbrücker, 1979: 110 (designation of the lectotype)

Loricaria tucumanensis Isbrücker, 1979

Loricaria tucumanensis Isbrücker, 1979: 98 & 102, figs. 14, 23, tables Ic & IIc (type-locality: Argentine, Prov. Tucuman, (San Miguel de -) Tucuman, 26°47' S, 65°15' W; holotype and 1 paratype, 122.3 mm SL)

BROCHILORICARIA Isbrücker & Nijssen, 1979

Brochiloricaria Isbrücker & Nijssen, in Isbrücker, 1979: 87 & 90 (type-species, by original designation, Brochiloricaria chauliodon Isbrücker, 1979)

Brochiloricaria chauliodon Isbrücker, 1979

Brochiloricaria chauliodon Isbrücker, 1979: 102, figs. 15-17, 23, tables Id & IID (type-locality: Argentine; Prov. Entre Rios, Isla El Dorado, Parana Guaza; holotype and 1 paratype, 282 mm SL; the paratype is from La Plata)

Brochiloricaria macrodon (Kner, 1854)

Lor[icaria] macrodon Kner, 1854a: 79-80, pl. 1 figs. 3a-d, pl. 2 figs. 1-3 (type-locality: Cujabaflusse; holotype, 10 inches and 3 lines SL)

★ Isbrücker & Nijssen, 1978a: 191, table IIIf (holotype), - Isbrücker, 1979: 102 (holotype, comparison)

CROSSOLORICARIA Isbrücker, 1979

Crossoloricaria Isbrücker, 1979: 87 & 90 (type-species, by original designation, Crossoloricaria variegata = Loricaria variegata Steindachner, 1879)

Crossoloricaria cephalaspis Isbrücker, 1979

Crossoloricaria cephalaspis Isbrücker, 1979: 102-103, figs. 18-19, 23, tables Ie & IIe (type-locality: Colombie, Rio Magdalena, soit - a) Prov. Atlantico, Barranquilla, 11°00' N, 74°50' W, - b) Prov. Antioquia, Puerto Berrio, 06°28' N, 74°28' W, ou - c) Prov. Tolima, Honda, 05°15' N, 74°50' W; holotype, 108.9 mm SL)

Crossoloricaria variegata (Steindachner, 1879)

Loricaria variegata Steindachner, 1879c: 151 (original diagnosis; Mamoni), Steindachner, 1879d: 163-165, pl. 3 (type-locality: Panama, dem Mamoni-Flusse bei Chepo, also indicated as: dem Mamoni-Flusse, welcher ungefähr 15 englischen Meilen oberhalb der Mündung des Bayano (in den stillen Ocean) in letzteren fällt; holotype, about 210 mm without caudal fin)

★ Isbrücker, 1975b: 90 (holotype, listed), - Isbrücker, 1979: 103 (comparison of the holotype and additional specimens with Crossoloricaria cephalaspis)

Crossoloricaria venezuelae (Schultz, 1944)

Loricaria variegata venezuelae Schultz, 1944a: 329-331, pl. 12 fig. C (type-locality: Venezuela, in the Río Palmar at the bridge about 70 km. southwest of Maracaibo; holotype, 50 paratopotypes, and 108 paratypes, 170 mm SL)

★ Isbrücker & Nijssen, 1974b: 208, fig. 13m-n (tooth of a paratype), - Isbrücker, 1975b: 90 (holotype and 3 paratypes, listed), - Isbrücker, 1979: 103 (comparison of the holotype, 3 paratypes, and additional specimens with Crossoloricaria cephalaspis)

PSEUDOHEMIODON Bleeker, 1862

Pseudohemiodon Bleeker, 1862a: 3, - Bleeker, 1863: 81 (type-species, by original designation and monotypy, Pseudohemiodon platycephalus = Hemiodon platycephalus Kner, 1854)

Pseudohemiodon amazonus (Delsman, 1941)

Loricaria apeltogaster var. amazonum Delsman, 1941: 80 (type-locality: Trombetas-river, near Obidos; holotype, 100 mm)

* Isbrücker, 1975b: 90 (holotype, listed)

The holotype was erroneously recorded as IRScNB 294: it is registered as IRScNB 546.

Pseudohemiodon apithanos Isbrücker & Nijssen, 1978

Pseudohemiodon apithanos Isbrücker & Nijssen, 1978a: 195-203, figs. 6-8, tables I & IV (type-locality: Ecuador, Prov. Napo, Río Conejo, a tributary of Río San Miguel, vicinity of Santa Cecilia, 00°06' N, 76°51' W, upper Río Amazonas system; holotype and 6 paratypes, 145 mm SL)

Pseudohemiodon devincenzii (Soriano Señorans, 1950)

Loricaria (Loricaria) devincenzii Soriano Señorans, 1950: 265-266 (type-locality: sobre fondo de arena fangosa con red de playa, a 200 metros agua abajo de la desembocadura del arroyo Espinillar en el Río Uruguay, Rep. Oriental del Uruguay, departamento de Salto; holotype, 143 mm SL; specific name misspelled in title as devicenzii)

* Isbrücker, 1979: 110 (holotype is lost)

Pseudohemiodon lamina (Günther, 1868)

Loricaria lamina Günther, 1868a: 478 (type-locality: Xeberos), - Günther, 1868b: 239, figs. 6-7 (3 syntypes, 8 inches)

* Regan, 1904: 294-295 (the 3 syntypes)

* Isbrücker, 1973b: 186-187 (designation of the lectotype), - Isbrücker, 1975b: 90 (lectotype and the 2 paralectotypes, listed)

Pseudohemiodon laticeps (Regan, 1904)

Loricaria laticeps Regan, 1904: 295, pl. 20 figs. 1, 1a (in subgenus Loricaria; type-locality: Paraguay; 2 syntypes, 220 mm TL)

* Isbrücker, 1973b: 187 (designation of the lectotype), - Isbrücker, 1975b: 90 (lectotype and the paralectotype, listed), - Isbrücker & Nijssen, 1978a: 200, 202, tables Ie, Va-b (data of the lectotype and paralectotype)

Pseudohemiodon platycephalus (Kner, 1854)

Hem[iodon] platycephalus Kner, 1854a: 89-91, pl. 1 fig. 6, pl. 6 figs.

2a-b (type-locality: Rio Cujaba; holotype, almost 7 inches SL)

Loricaria ? platycephala Natterer, in Kner, 1854a: 89 (name published in synonymy)

★ Isbrücker, 1971a: 276 (holotype is lost)

Pseudohemiodon thorectes Isbrücker, 1975

Pseudohemiodon thorectes Isbrücker, 1975b: 87-90, figs. 1-3 (type-locality: Bolivia, Est. Santa Cruz, Buena Vista, 17°28' S, 63°37' W, west of Río Palacios, tributary of Río Mamoré, which is a tributary of Río Madeira, Rio Amazonas system; holotype, 117 mm SL)

RHADINOLORICARIA Isbrücker & Nijssen, 1974

Rhadinoloricaria Isbrücker & Nijssen, 1974a: 73 (type-species, by original designation and monotypy, Rhadinoloricaria macromystax = Loricaria macromystax Günther, 1869)

Rhadinoloricaria macromystax (Günther, 1869)

Loricaria macromystax Günther, 1869: 426, figs. 5-6 (type-locality: Peruvian Amazons; holotype)

★ Regan, 1904: 294 (holotype)

★ Isbrücker & Nijssen, 1974a: 73-74, figs. 1-2, 4a-b, table I (holotype)

PLANILORICARIINA Isbrücker, 1979

Planiloricariina Isbrücker, 1979: 87 & 89 (type-genus, Planiloricaria Isbrücker, 1971)
includes Planiloricaria

PLANILORICARIA Isbrücker, 1971

Planiloricaria Isbrücker, 1971a: 276-278 (subgenus of Pseudohemiodon; type-species, by original designation and monotypy, Pseudohemiodon (Planiloricaria) cryptodon Isbrücker, 1971 = Planiloricaria cryptodon)

Planiloricaria cryptodon (Isbrücker, 1971)

Pseudohemiodon (Planiloricaria) cryptodon Isbrücker, 1971a: 278-282, figs. 2b-c, 3-8 (type-locality: Peru, Río Ucayali near Pucallpa; holotype, 213.4 mm SL, 562.6 mm TL)

* Isbrücker & Nijssen, 1974a: 78, figs. 3, 4c-d (holotype)

REGANELLINA Isbrücker, 1979

Reganellina Isbrücker, 1979: 87 & 89 (type-genus, Reganella Eigenmann, 1905)
includes Reganella

REGANELLA Eigenmann, 1905

Hemiodon Kner, 1853a: 115 (pre-occupied in Mollusca; type-species, by subsequent designation of Bleeker, 1862a: 4, Hemiodon depressus Kner, 1854)

Reganella Eigenmann, 1905: 794 (substitute name for Hemiodon Kner, 1853; type-species, Reganella depressa = Hemiodon depressus Kner, 1854)

Reganella depressa (Kner, 1854)

Hem[iodon] depressus Kner, 1854a: 91-92, pl. 7 figs. 1a-c (syntype-localities: Rio negro und Marabitanos; syntypes, 5 inches and 8 lines)

* Isbrücker & Nijssen, 1974b: 219-220, figs. 1, 10-12, 13e-f, 14, tables I-IV (designation of the lectotype; type-locality: Brazil, Est. Amazonas, Marabitanas, 00°57' N, 66°55' W, upper Rio Negro; 1 paralectotype, Rio Negro; 145 mm SL)

LORICARIICHTHYINA Isbrücker, 1979

Loricariichthyina Isbrücker, 1979: 87 & 89 (type-genus, Loricariichthys Bleeker, 1862)
includes Limatulichthys
Pseudoloricaria
Loricariichthys

LIMATULICHTHYS Isbrücker & Nijssen, 1979

Limatulichthys Isbrücker & Nijssen, in Isbrücker, 1979: 88 & 91 (type-species, by original designation and monotypy, Limatulichthys punctatus = Loricaria (Pseudoloricaria) punctata Regan, 1904)

Limatulichthys punctatus (Regan, 1904)

Loricaria punctata Regan, 1904: 285, pl. 17 figs. 1, 1a (in subgenus Pseudoloricaria; syntype-localities: Manaus, Rio Negro, Middle Amazon; 3 syntypes, 180 mm TL)

Loricaria griseus Eigenmann, 1909: 8-9 (type-locality: British Guiana, Conawaruk; holotype and 11 paratopotypes, 22 paratypes from Bartica Sand Bank, British Guiana; 131 mm)

Rhineloricaria petleyi Fowler, 1940a: 243-244, figs. 36-38 (type-locality: Ucayali River basin, Contamana, Peru; holotype and 1 paratype, 172 mm)

Loricariichthys parnahybae Fowler, 1941b: 161-163, figs. 69-71 (type-locality: Rio Parnahyba, Therezina, Piauh; holotype, 155 mm)

* Eigenmann, 1912a: 246-247, pl. 30 fig. 2, pl. 32 fig. 2 (holotype and 33 paratypes of Loricaria griseus)

* van der Stigchel, 1946 & 1947: 178-179 (a paratype of Loricaria griseus)

* Böhlke, 1953: 46 (a paratype of Loricaria griseus, listed)

See reference to Böhlke, 1953 under Hypostomus pularum.

* Isbrücker & Nijssen, 1976b: 110-111, 116-126, figs. 4-10, 11e-h, 12, tables I-II (designation of the lectotype of the species; type-locality: Brazil, Est. Amazonas, Rio Amazonas at Manaus, 03°06' S, 60°00' W; 1 paralectotype from the type-locality, 1 paralectotype from Brazil, Est. Pará, Rio Xingu at Pôrto de Mós, 01°45' S, 52°10' W; also illustrations and data of the holotype of Loricaria griseus, Rhineloricaria petleyi, and Loricariichthys parnahybae, respectively, as well as data of additional specimens)

PSEUDOLORICARIA Bleeker, 1862

Pseudoloricaria Bleeker, 1862a: 3 (type-species, by original designation and monotypy, Pseudoloricaria laeviuscula = Loricaria laeviuscula Valenciennes, 1840), - Bleeker, 1863: 80 (type-species cited as Loricariichthys laeviusculus = Loricaria laeviuscula Valenciennes, 1840)

Pseudoloricaria laeviuscula (Valenciennes, 1840)

Loricaria laeviuscula Valenciennes, in Cuvier & Valenciennes, 1840: 476-478 (Paris ed.), : 352-353 (Strasbourg ed.) (no locality: l'ancien Cabinet; holotype, 11 inches)

* Regan, 1904: 284-285 (including the holotype)

* Isbrücker & Nijssen, 1976b: 110-116, 125-126, figs. 1a, 2-5, 11a-d, 12, tables I-II (including the holotype; type-locality: Brazil, Est. Pará, mouth of Rio Tapajós into Rio Amazonas at Santarém, 02°26' S, 54°41' W)

LORICARIICHTHYS Bleeker, 1862

- Plecostomus Gronovius, in Swainson, 1839: 304 (subgenus of Loricaria; type-species, by monotypy, Plecostomus maculatus = Loricaria maculata Bloch, 1794 = Loricariichthys maculatus)

Loricariichthys Bleeker, 1862a: 3, - Bleeker, 1863: 80 (type-species, by original designation and monotypy, Loricariichthys maculatus = Loricaria maculata Bloch, 1794)

Parahemiodon Bleeker, 1862a: 3, - Bleeker, 1863: 80 (type-species, by original designation and monotypy, Parahemiodon typus Bleeker, 1862, a doubtful synonym of Loricariichthys maculatus)

- As far as I am aware, the first post-Linnaean use of Plecostomus as a valid taxon was that by Swainson (1839: 304; see also Swainson, 1838: 336 and p. 337, including the footnote). He correctly indicates Gronovius as the author, and considered Plecostomus as a subgenus of Loricaria, containing only one species, Plecostomus maculatus "Gronovius, pl. 2. Bloch, 375. fig. 2."

In 1862, Bleeker designated Loricaria maculata Bloch, 1794 as the type-species of his new genus Loricariichthys. This species has almost invariably been regarded as a Loricaria or as a Loricariichthys.

Swainson's interpretation, though strictly valid, has remained unnoticed and was never discussed since. Substitution of Loricariichthys by Plecostomus Gronovius, in Swainson (1838: 336, 337; 1839: 304), in my opinion, must be avoided, as this would greatly increase the inaccessibility of the nomenclature of many loricariids.

Loricariichthys acutus (Valenciennes, 1840)

Loricaria acuta Valenciennes, in Cuvier & Valenciennes, 1840: 472-473 (Paris ed.), : 349 (Strasbourg ed.), pl. 452 (type-locality: On peut croire qu'il venait du Brésil; holotype, 8 inches)

- * Isbrücker & Nijssen, 1976b: 110 (holotype lost), - Isbrücker, 1979: 113 (holotype lost)

Loricariichthys anus (Valenciennes, 1840)

Loricaria anus Valenciennes, in Cuvier & Valenciennes, 1840: 470-472 (Paris ed.), : 347-348 (Strasbourg ed.) (type-locality: sur les bords de la rivière de la Plata près de Buénos-Ayres; 2 syntypes,

18 inches; reference to Valenciennes, in d'Orbigny, pl. 6 fig. 1)

- * Valenciennes, in d'Orbigny, 1847: 8, pl. 6 fig. 1 (one of the syntypes illustrated)
- * Regan, 1904: 289 (including one of the syntypes)
- * Isbrücker, 1979: 113 (designation of the lectotype)

Loricariichthys brunneus (Hancock, 1828)

Loricaria brunnea Hancock, 1828: 247 (type-locality: Venezuela, the branches and lakes of the Orinoko; holotype?; 10 or 12 inches)

- * Isbrücker & Nijssen, 1976b: 110, - Isbrücker & Nijssen, 1979: 200, Isbrücker, 1979: 113 (holotype is lost)

Loricariichthys cashibo (Eigenmann & Allen, 1942)

Loricaria cashibo Eigenmann & Allen, 1942: 205-206 (type-locality: Lago Cashiboya; holotype, 131 mm)

- * Isbrücker & Nijssen, 1976b: 110 (holotype not found)

Loricariichthys castaneus (de Castelnau, 1855)

Loricaria castanea de Castelnau, 1855: 46, pl. 23 fig. 4 (type-locality: donné à Rio-de-Janeiro comme venant des rivières du voisinage; holotype, 250 mm)

Loricariichthys chanjoo (Fowler, 1940)

Parahemiodon chanjoo Fowler, 1940a: 240-241, figs. 30-32 (type-locality: Ucayali River basin, Contamana, Peru; holotype and 3 paratypes, 225 mm)

Loricariichthys derbyi Fowler, 1915

Loricariichthys derbyi Fowler, 1915b: 267-269, fig. 4 (type-locality: Rio Jaguribé at Barro Alto, Brazil; holotype and 1 paratype, 175 mm)

Loricariichthys hauxwelli Fowler, 1915

Loricariichthys hauxwelli Fowler, 1915a: 238-240, fig. 10 (type-locality: Ambyiacu River = Ambiyacu or Ampiyacu River, Ecuador; holotype, 180 mm)

Loricariichthys labialis (Boulenger, 1895)

Loricaria labialis Boulenger, 1895: 527-528 (type-locality: Paraguay; 3

syntypes, 220 mm TL), - Boulenger, 1896: 32-33, pl. 7 figs. 1, 1a-b (the 3 syntypes)

* Regan, 1904: 288-289 (including the 3 syntypes)

* Isbrücker, 1979: 113 (designation of the lectotype)

Loricariichthys maculatus (Bloch, 1794)

[Plecostomus no. 68] Gronovius, 1754: 25-26, pl. 2 figs. 1-2 (description: Surinamæ flumina), - Gronovius, 1756: 15 (diagnosis)

Loricaria cataphracta; Linnaeus, 1758: 307 (in part; diagnosis of Plecostomus no. 68)

[Plecostomus corpore aculeato, ...etc.] Seba, 1759: 88, pl. 29 fig. 14 (mixed: part of the description concerns Loricaria cataphracta)

[Plecostomus no. 391] Gronovius, 1763: 127 (diagnosis; = Plecostomus no. 68 Gronovius, 1754)

[Plecostomus cataphracta] Meuschen, 1778: 39 (species no. 381, Gewapende Harnasman, based upon Plecostomus no. 68 & 391 Gronovius, 1754 & 1763, respectively; invalidated by Hemming (ed.), 1954a)

[Plecostomus seu Loricaria Cataphracta] Meuschen, in Gronovius, 1781, Index Piscium (name for Plecostomus no. 391 Gronovius, 1763 = Plecostomus no. 68 Gronovius, 1754; invalidated by Hemming (ed.), 1954b)

Loricaria maculata Bloch, 1794: 73-75, pl. 375 figs. 1-2 (no locality; syntypes)

Plecostomus cataphractus Gronovius, ed. Gray, 1854: 158 (name for Plecostomus no. 68 Gronovius, 1754 = Loricaria maculata Bloch, 1794)

Loricaria amazonica de Castelnau, 1855: 46, pl. 23 fig. 2 (type-locality: l'Amazone; holotype, 210 mm)

? Parahemiodon typus Bleeker, 1862a: 3 (diagnosis of new genus; type-species), - Bleeker, 1862b: 373-375 (description; type-locality: Surinama; holotype, 175 mm), - Bleeker, 1863: 80 (as Bleeker, 1862a), - Bleeker, 1864: 20-21, pl. 6 fig. 1, pl. 13 fig. 1 (as Bleeker, 1862b)

? Loricaria parahemiodon Günther, 1864: 258 (substitute name for Parahemiodon typus Bleeker, 1862)

? Loricaria hemiodon Eigenmann & Eigenmann, 1889: 37 (lapsus for Loricaria parahemiodon Günther, 1864; in synonymy)

* Regan, 1904: 286 (including the holotype of Loricaria amazonica)

- * van der Stigchel, 1946 & 1947: 172-173 (including the holotype of Parahemiodon typus)
- * Isbrücker, 1971b: 12-16, figs. 1-7 (designation of the lectotype, which is also designated the neotype of Plecostomus cataphractus Gronovius, ed. Gray, 1854; type-locality: Surinam, district Suriname, ditches at Cultuurtuin at Paramaribo West, 05°50' N, 55°10' W; redescription)
- * Boeseman, 1972: 308 (the holotype of Parahemiodon typus may have come from the Cabinet of the Stadholder or even from Seba's Cabinet), - Boeseman, 1976: 160-165, pls. 2-4 (including the holotype of Parahemiodon typus)
- * Isbrücker & Nijssen, 1979: 208-209, tables II d-e, V 1-n (data of the lectotype and the paralectotype of the species, and of the holotype of Parahemiodon typus), - Isbrücker, 1979: 113 (note on the synonymy of Parahemiodon typus)
- * See reference to Meuschen, 1778 under Loricaria cataphracta.
 - In the preceding pages two further references to Meuschen (1778) were omitted:
 - Hypostomus plecostomus (Linnaeus, 1758)
[Plecostomvs Plecostomus] Meuschen, 1778: 39 (species no. 384 = Plecostomus no. 67 & no. 394 Gronovius, 1754 & 1763)
 - Ancistrus temminckii (Valenciennes, 1840)
[Plecostomvs cataphracta?] Meuschen, 1778: 39 (species no. 383 = Plecostomus no. 167 & 393 Gronovius, 1756 & 1763)

Loricariichthys microdon (Eigenmann, 1909)

Loricaria microdon Eigenmann, 1909: 7-9 (type-locality: British Guiana, Rupununi; holotype and 2 paratypes, 112 mm)

- * Eigenmann, 1912a: 245-246, pl. 30 fig. 1, pl. 32 fig. 1 (holotype and 2 paratypes)

Loricariichthys nudirostris (Kner, 1854)

Lor[icaria] nudirostris Kner, 1854a: 86-87, pl. 4 figs. 1-3 (type-locality: Barra do Rio negro; syntypes, 7¼ inches)

- * Isbrücker, 1979: 113 (designation of the lectotype)

Loricariichthys platymetopon Isbrücker & Nijssen, 1979

Loricariichthys platymetopon Isbrücker & Nijssen, 1979: 203-209, figs. 6-9, tables IIc, IV, Va-k (type-locality: Paraguay, Lago Ypacarai, San Bernardino, 25°16' S, 57°16' W, Río Paraguay system; holotype, 30 paratypes, and 21 non-types; 299 mm SL)

Loricariichthys spixii (Steindachner, 1881)

Loricaria Spixii Steindachner, 1881: 97 (diagnosis; type-locality: Rio Parahyba), - Steindachner, 1882b: 4-6, pl. 2 figs. 1, 1b, 2 (syntype-localities: Rio Parahyba, Santa Cruz am Rio Quenda, Rio Muriahé, São Matheos, Sambaia, Rio Grande do Sul; syntypes, 300 mm)

★ Eigenmann & Eigenmann, 1890: 372-373 (30 syntypes?)

★ Isbrücker & Nijssen, 1976b: 122, fig. 11i (tooth of a syntype, now the lectotype)

★ Isbrücker, 1979: 113 (designation of the lectotype)

The lectotype is from the Rio Quenda.

Loricariichthys stuebelii (Steindachner, 1883)

Loricaria Stübelii Steindachner, 1883a: 176 (original diagnosis; type-locality: Huallaga), - Steindachner, 1883b: 7-8, pl. 3 figs. 2, 2a-b (Huallaga; 3 syntypes, 190 mm without caudal fin)

★ Isbrücker, 1979: 113 (designation of the lectotype; 2 paralectotypes in very bad condition)

Loricariichthys ucayalensis Regan, 1913

Loricariichthys ucayalensis Regan, 1913: 281-282 (type-locality: River Ucayali, Peru; 2 syntypes, 220 mm TL)

★ Isbrücker & Nijssen, 1979: 208-209, fig. 9, tables II f, V o-p (designation of the lectotype)

HEMIODONTICHTHYINA Isbrücker, 1979

Hemiodontichthyina Isbrücker, 1979: 88 & 89 (type-genus, Hemiodontichthys Bleeker, 1862)

includes Hemiodontichthys

HEMIODONTICHTHYS Bleeker, 1862

Hemiodontichthys Bleeker, 1862a: 4, - Bleeker, 1863: 82 (type-species, by original designation and monotypy, Hemiodontichthys acipenserinus = Hemiodon acipenserinus Kner, 1854)

Hemiodontichthys acipenserinus (Kner, 1854)

Hem[iodon] acipenserinus Kner, 1854a: 92-93, pl. 7 figs. 2a-c (syntype-localities: Rio Guaporé, Matogrosso, Juquia; syntypes, 5 inches)

* van der Stigchel, 1946 & 1947: 182-183 (a syntype)

* Isbrücker & Nijssen, 1974b: 201-216, figs. 2-9, 13a-d, 14, tables I-VI (designation of the lectotype; type-locality: Brazil, Est. Rondônia = Est. Guaporé, Rio Amazonas system, Rio Madeira drainage, Rio Guaporé; 4 paralectotypes, 134 mm SL)

EXTRALIMITAL:

S C O L O P L A C I D A E Bailey & Baskin, 1976

Scoloplacinae Bailey & Baskin, 1976: 5 (subfamily of Loricariidae; type-genus, Scoloplax Bailey & Baskin, 1976)

SCOLOPLAX Bailey & Baskin, 1976

Scoloplax Bailey & Baskin, 1976: 5-7 (type-species, by original designation and monotypy, Scoloplax dicra Bailey & Baskin, 1976)

Scoloplax dicra Bailey & Baskin, 1976

Scoloplax dicra Bailey & Baskin, 1976: 7-12, figs. 1-3 (type-locality: an isolated ox-bow lagoon off the Río Iténez (also known, on the Brazilian side of the river, as Río Guaporé; this stream flows into the Río Mamoré, thence to the Río Madeira of the Amazon basin), about 400 meters southwest of the river at a point opposite Costa Marques (Brazil) latitude 12°28.38' S, longitude 64°16.59' W, Department of Beni, Bolivia; holotype and 3 paratopotypes, 11 paratypes, 13.8 mm SL)

• Baskin (submitted in 1972, published in 1978) ranks Scoloplax dicra (as Loricarioid sp.) at the same level as the Trichomycteridae, Callichthyidae Loricariidae, and Astroblepidae (e.g., pp. 72-76, and pp. 193-194).

Scoloplax dicra, in my opinion, is not a member of the Loricariidae, to which it is even less closely related than the Astroblepidae are.

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que effigies, quotquot haberi potuere, vel ad vivum delineatae, vel ad optima exemplaria impressa; ... Cum appendice historias & observationes in supplementum operis collatis complectente. Totum opus recognovit, coaptavit, supplevit, librum etiam primum & secundum integros adjecit Johannes Raius (Bishop Fell & the Royal Society, Oxonii), : [i-vii], 1-343, 1-30, [1-12], 186 or 187 pls. [this is a combined citation of the reference provided by Dean, 1962c: 331, and Boeseman, 1968: 77].

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ADDENDUM

Leptoancistrus cordobensis Dahl, 1964

Leptoancistrus cordobensis Dahl, 1964: 32, photograph (type-locality: Colombia, río Batatal, Alto río Uré; holotype and 2 paratypes, 37 mm SL)

Reference:

Dahl, G.

- 1964 La ictiofauna del río San Jorge. In: Dahl, G., F. Medem & A. Ramos Henao: El "Bocachico". Contribución al estudio de su biología y de su ambiente. Parte primera (Dep. Pesca Corp. Auton. Reg. Valles del Magdalena y del Sinú, C. V. M.), : 18-53 [only a copy of the description and illustration of this species seen].

NOTE

My paper "in press" in Rev. fr. Aquariol. Herpétol. was published (10-XII-1979), 6 (4): 109-124. For editorial reasons, intended inclusion of Isorineloricaria n. gen. had to be postponed. This genus is, therefore, established in the present paper.

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